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## 1.8 coreutils 8.30-3ubuntu2

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## 1.9 libidn 2.2.0-2

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include/bsd/readpassphrase.h  
man/readpassphrase.3bsd  
man/strncpy.3bsd  
man/strtonum.3bsd  
src/arc4random.c  
src/arc4random\_linux.h  
src/arc4random\_openbsd.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/arc4random\_win.h  
src/closefrom.c  
src/getentropy\_aix.c  
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src/hash/md5.c

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## 1.14 distlib 0.3.0

### 1.14.1 Available under license :

#### A. HISTORY OF THE SOFTWARE

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

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes

1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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distlib has started off using some of the code from distutil2.

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## 1.15 urllib3 1.25.8

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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 <slingamn@cs.stanford.edu>
- \* Support for explicitly closing pooled connections
  
- \* hartator <hartator@gmail.com>
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- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
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- <<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
  
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- \* Fixed a race condition
  
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- \* 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
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- \* 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
  
- \* Benjamin Meyer <bm\_witness@yahoo.com>
- \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <github@sornars.com>
- \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <alex.gaynor@gmail.com>
- \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <ttomecek@redhat.com>
- \* Implemented generator for getting chunks from chunked responses.
  
- \* tlynn <https://github.com/tlynn>
- \* Respect the warning preferences at import.
  
- \* David D. Riddle <ddriddle@illinois.edu>
- \* IPv6 bugfixes in testsuite
  
- \* 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.
  
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- \* IPv6 HTTPS proxy bugfix
  
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- \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
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- \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <https://github.com/obi1kenobi>
- \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <https://github.com/a-tal>
- \* Bugfix to ca\_cert file paths.



- \* Evan Meagher <<https://evanmeagher.net>>
- \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <[jayvdb@gmail.com](mailto:jayvdb@gmail.com)>
- \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
- \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
- \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
- \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jess Shapiro <[jesse@jesseshapiro.net](mailto:jesse@jesseshapiro.net)>
- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <<http://dafoster.net/>>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <[jeremy@jcline.org](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto:nate.prewitt@gmail.com)>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <[sethmichaellarson@protonmail.com](mailto:sethmichaellarson@protonmail.com)>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <[alex.dias@smarkets.com](mailto:alex.dias@smarkets.com)>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <[moin18@gmail.com](mailto:moin18@gmail.com)>
- \* Lazily load idna package
  
- \* Tom White <[s6yg1ez3@mail2tor.com](mailto:s6yg1ez3@mail2tor.com)>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

- \* Tim Burke <tim.burke@gmail.com>
- \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <tuukka.mustonen@gmail.com>
- \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <erik@mozilla.com>
- \* Bugfix to pyopenssl vendoring
  
- \* 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 Jess Shapiro) <jshapiro@akamai.com>
- \* Ongoing maintenance; 2017-2018
  
- \* 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
  
- \* 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

- \* Katsuhiko YOSHIDA <<https://github.com/kyoshidajp>>
- \* Remove Authorization header  
regardless of case when redirecting to cross-site
- \* James Meickle <<https://permadeath.com/>>
- \* Improve handling of Retry-After header
- \* Chris Jerdonek <[chris.jerdonek@gmail.com](mailto:chris.jerdonek@gmail.com)>
- \* Remove a spurious TypeError from the exception chain inside  
HTTPConnectionPool.\_make\_request(), also for BaseExceptions.
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

## 1.16 go-radix 1.0.0

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## 1.18 mpdecimal 2.4.2-3

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```
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## 1.20 netcat-openbsd 1.206-1ubuntu1

### 1.20.1 Available under license :

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```

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```
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```

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## 1.21 rtmpdump 2.4+20151223.gitfa8646d.1-2build1

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## 1.22 iputils 20190709-3

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## 1.23 e2fsprogs 1.45.5-2ubuntu1

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

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

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```
#  
# This 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)

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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

\*/

/\*

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

- trivial database library - private includes

-

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Gadi Oxman, August 1995

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```

```
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```

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

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This 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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## 1.27 libsemanage-common 3.0-1build2

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Any executables

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## 1.28 selinux 3.0-1build2

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# 1.29 grep 3.4-1

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## 1.31 vixie-cron 3.0pl1-136ubuntu1

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*/
```

Found in path(s):

\* /opt/cola/permits/1029757352\_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/database.c

\* /opt/cola/permits/1029757352\_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/misc.c



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.\"/>* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul  
.\"/>*/  
.\"/>  
.\"/> $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $  
.\"/>
```

Found in path(s):

\*

\*/opt/cola/permits/1029757352\_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.1

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

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/compat.h
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/pathnames.h
*
/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/externs.h
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.\\" *
.\\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\\" * I'll try to keep a version up to date. I can be reached as follows:
.\\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\\" */
.\\"
.\\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\\"
```

Found in path(s):

```
*
/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/cron.8
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\* user.  
\*  
\* Send bug reports, bug fixes, enhancements, requests, flames, etc., and  
\* I'll try to keep a version up to date. I can be reached as follows:  
\* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul  
\*/

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

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

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

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

You will also need /usr/local/etc and /usr/local/bin directories unless you  
change the Makefile. These will have to be created by hand, but if you are  
a long-time Usenet user you probably have them already. /usr/local/man is  
where I keep my man pages, but I have the source for `man' and you probably  
do not. Therefore you may have to put the man pages into /usr/man/man1,  
which will be hard since there will be name collisions. (Note that the man  
command was originally written by  
Bill Joy before he left Berkeley, and it  
contains no AT&T code, so it is in UUNET's archive of freely-distributable  
BSD code.)

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

say:  
make all

su and say:  
make install

Note that if I can get you to "su and say" something just by asking, you have

a very serious security problem on your system and you should look into it.

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

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

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

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

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

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

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

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

Found in path(s):

```
* /opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/INSTALL
No license file was found, but licenses were detected in source scan.
```

/\*

```
* Copyright (c) 1989 The Regents of the University of California.
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*
* This code is derived from software contributed to Berkeley by
* Paul Vixie.
```

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* WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
*
* @(#)bitstring.h 5.2
* (Berkeley) 4/4/90
*/
```

Found in path(s):

```
*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/bitstring.h
```

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

```
# * All rights reserved
```

```
# * Distribute freely, except: don't remove my name from the source or
```

Found in path(s):

```
*/opt/cola/permits/1029757352_1619638247.49/0/cron-3-0p11-orig-tar-gz/cron-3.0p11.orig/Makefile
```

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

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```

```
# * All rights reserved
```

```
# *
```

```
# * Distribute freely, except: don't remove my name from the source or
```

```
# * documentation (don't take credit for my work), mark your changes (don't
```

```
# * get me blamed for your possible bugs), don't alter or remove this
```

```
# * notice. May be sold if buildable source is provided to buyer. No
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```

```
# * anyone resulting from the use of this software rests entirely with the
```

```
# * user.
```

```
# *
```

```
# * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
```

```
# * I'll try to keep a version up to date. I can be reached as follows:
```

```
# * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
```

```
# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]



[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta

was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

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

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

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

'make'

'su' and 'make install'

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

kill your existing cron process

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

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

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

ranges with steps -- basically, this step is

as much work as you want to make it)

start up the new cron

(must be done as root)  
watch it. test it with 'crontab -r' and watch the daemon track your changes.  
if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

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

Found in path(s):

\* /opt/cola/permits/1029757352\_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/README

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```
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.\\" *
.\\" * Distribute freely, except: don't remove my name from the source or
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.\\" * user.
.\\" *
.\\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\\" * I'll try to keep a version up to date. I can be reached as follows:
.\\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\\" */
.\\"
.\\" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
.\\"
```

Found in path(s):

\*

/opt/cola/permits/1029757352\_1619638247.49/0/cron-3-0pl1-orig-tar-gz/cron-3.0pl1.orig/crontab.5

## 1.32 opencensus 0.24.0

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## 1.33 python-setuptools 45.2.0

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## 1.34 etree 1.1.0

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Felix Geisendrfer (felixge)

Kamil Kisiel (kisielk)

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Matt Smith (ma314smith)

Michal Jemala (michaljemala)

Nicolas Piganeau (npiganeau)

Chris Brown (cbbrown)

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## 1.35 go-msgpack 0.5.5



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## 1.37 gorilla 1.4.1

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```

```
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## 1.42 gods 1.12.0

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Source: <https://github.com/emirpasic/gods>

Upstream-Name: gods

Files-Excluded:

Godeps/\_workspace

Files:

\*

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## 1.43 xstrings 1.3.1

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## 1.44 nano 4.8-1ubuntu1

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compiler/cpp/src/generate/t\_py\_generator.cc  
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compiler/cpp/src/generate/t\_xsd\_generator.cc  
compiler/cpp/src/main.cc  
compiler/cpp/src/parse/t\_field.h  
compiler/cpp/src/parse/t\_program.h  
compiler/cpp/src/platform.h  
compiler/cpp/src/thrift.ll

compiler/cpp/src/thrift.y  
lib/csharp/src/Protocol/TBinaryProtocol.cs  
lib/csharp/src/Protocol/TField.cs  
lib/csharp/src/Protocol/TList.cs  
lib/csharp/src/Protocol/TMap.cs  
lib/csharp/src/Protocol/TMessage.cs  
lib/csharp/src/Protocol/TMessageType.cs  
lib/csharp/src/Protocol/TProtocol.cs  
lib/csharp/src/Protocol/TProtocolException.cs  
lib/csharp/src/Protocol/TProtocolFactory.cs  
lib/csharp/src/Protocol/TProtocolUtil.cs  
lib/csharp/src/Protocol/TSet.cs  
lib/csharp/src/Protocol/TStruct.cs  
lib/csharp/src/Protocol/TType.cs  
lib/csharp/src/Server/TServer.cs  
lib/csharp/src/Server/TSimpleServer.cs  
lib/csharp/src/Server/TThreadPoolServer.cs  
lib/csharp/src/TApplicationException.cs  
lib/csharp/src/Thrift.csproj  
lib/csharp/src/Thrift.sln  
lib/csharp/src/TProcessor.cs  
lib/csharp/src/Transport/TServerSocket.cs  
lib/csharp/src/Transport/TServerTransport.cs  
lib/csharp/src/Transport/TSocket.cs  
lib/csharp/src/Transport/TStreamTransport.cs  
lib/csharp/src/Transport/TTransport.cs  
lib/csharp/src/Transport/TTransportException.cs  
lib/csharp/src/Transport/TTransportFactory.cs  
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs  
lib/csharp/ThriftMSBuildTask/ThriftBuild.cs  
lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj  
lib/rb/lib/thrift.rb  
lib/st/README  
lib/st/thrift.st  
test/OptionalRequiredTest.cpp  
test/OptionalRequiredTest.thrift  
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/\*

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## 1.48 adduser 3.118ubuntu2

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Upstream-Contact: Anibal Monsalve Salazar <[anibal@debian.org](mailto:anibal@debian.org)>

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

That's all there is to it!

## 1.54 sed 4.7-1

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Version 3, 29 June 2007

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Calling this script install-sh is preferred over install.sh, to prevent `make` implicit rules from creating a file called install from it when there is no Makefile.

This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

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-- vile: txtmode file-encoding=utf-8

## 1.59 libsepol 3.0-1

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Version 2.1, February 1999

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Any executables

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Other contributors include:

Anthony Towns <[ajt@debian.org](mailto:ajt@debian.org)>

David Whedon <[dwhedon@gordian.com](mailto:dwhedon@gordian.com)>

Dan Jacobowitz <[dan@debian.org](mailto:dan@debian.org)>

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# \$Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram \$  
#

```
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# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0 1993/08/18 12:04:35 ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order. It will complain and die if not. NOTE: It will still produce
# a compilable output file, even with errors, so you must check the output.
```

## 1.70 zlib 1.2.11.dfsg-2ubuntu1.2

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Found license 'General Public License 2.0' in 'No. PKWare has apparently decided to keep that format proprietary, since 42. The match.asm code in contrib is under the GNU General Public License. GNU GPL?'

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

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

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

\*/

## 1.71 libyaml 0.2.5

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## 1.72 python3-asn1crypto 0.24.0

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## 1.73 idna 2.8

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Found in path(s):

```
* /opt/cola/permits/1110810307_1606855956.29/0/kjd-idna-v2-8-0-g1cdf175-1-tar-gz/kjd-idna-375dc46/LICENSE.rst
```

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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 < (2,7):
```

```
        raise SystemExit("Sorry, Python 2.7 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',
```

```
            'Intended Audience :: System Administrators',
```



```

'License :: OSI Approved :: BSD License',
'Operating System :: OS Independent',
'Programming Language :: Python',
'Programming Language :: Python :: 2',
'Programming Language :: Python :: 2.7',
'Programming Language :: Python :: 3',
'Programming Language :: Python :: 3.4',
'Programming Language :: Python :: 3.5',
'Programming Language :: Python :: 3.6',
'Topic :: Internet :: Name Service (DNS)',
'Topic :: Software Development :: Libraries :: Python Modules',
'Topic :: Utilities',
],
'python_requires': '>=2.7, !=3.0.*, !=3.1.*, !=3.2.*, !=3.3.*',
'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

```

Found in path(s):

\* /opt/cola/permits/1110810307\_1606855956.29/0/kjd-idna-v2-8-0-g1cdf175-1-tar-gz/kjd-idna-375dc46/setup.py

## 1.74 appdirs 1.4.3

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## 1.76 toml 0.10.0

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## 1.80 queue 1.1.0

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## 1.81 iotop 0.6

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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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The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public Licenses are intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users.

This license, the Library General Public License, applies to some specially designated Free Software Foundation software, and to any other libraries whose authors decide to use it. You can use it for your libraries, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for this service if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs; and that you know you can do these things.

To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

For example, if you distribute copies of the library, whether gratis or for a fee, you must give the recipients all the rights that we gave you. You must make sure that they, too, receive or can get the source code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

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 treats it as such.

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

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

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

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

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

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

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

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

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

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice and disclaimer of warranty; keep intact all the notices that refer to this License and to the absence of any warranty; and distribute a copy of this License along with the Library.

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

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and

distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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

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

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



the scope of this License.

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

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

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

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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not.

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

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

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

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

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

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

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials

specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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

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

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

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

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impose that choice.

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#### END OF TERMS AND CONDITIONS

#### Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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

Here is a sample; alter the names:

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

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether

gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps:

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For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand

ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

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

## TERMS AND CONDITIONS

### 0. Definitions.

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

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To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

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#### 1. Source Code.

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

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

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major

Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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- a) The work must carry prominent notices stating that you modified it, and giving a relevant date.
- b) The work must carry prominent notices stating that it is

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c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

#### 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as

long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the

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

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

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

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```
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```

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

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# 1.85 cron 3.0pl1-136ubuntu1

## 1.85.1 Available under license :

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* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
*/
```

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

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

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

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

You will also need /usr/local/etc and /usr/local/bin directories unless you change the Makefile. These will have to be created by hand, but if you are a long-time Usenet user you probably have them already. /usr/local/man is where I keep my man pages, but I have the source for `man' and you probably do not. Therefore you may have to put the man pages into /usr/man/man1, which will be hard since there will be name collisions. (Note that the man command was originally written by

Bill Joy before he left Berkeley, and it contains no AT&T code, so it is in UUNET's archive of freely-distributable BSD code.)

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

say:  
make all

su and say:  
make install

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

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

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

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

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

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

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

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

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

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/INSTALL
```

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

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/entry.c
*
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/misc.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/config.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/job.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/database.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/env.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.h
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/user.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.c
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/do_command.c
```

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```



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*
*/
```

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```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/popen.c
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```

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* IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED
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*
* @(#)bitstring.h 5.2
(Berkeley) 4/4/90
*/
```

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.h
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```

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.\" *
.\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
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.\" * Paul Vixie      <paul@vix.com>      uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: crontab.5,v 2.4 1994/01/15 20:43:43 vixie Exp $
.\"

```

Found in path(s):

```

*
/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.5
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.\" *
.\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\" * I'll try to keep a version up to date. I can be reached as follows:
.\" * Paul Vixie      <paul@vix.com>      uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: crontab.1,v 2.4 1993/12/31 10:47:33 vixie Exp $
.\"

```

Found in path(s):

```

*
/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.1
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```

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.\"
.\" @(#)bitstring.3 5.1
.\" (Berkeley) 12/13/89
.\"
```

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.3
```

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.\" * Send bug reports, bug fixes, enhancements, requests, flames, etc., and
.\" * I'll try to keep a version up to date. I can be reached as follows:
.\" * Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
.\" */
.\"
.\" $Id: cron.8,v 2.2 1993/12/28 08:34:43 vixie Exp $
.\"
```

Found in path(s):

```
*
```

/opt/cola/permits/1125565035\_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.8

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

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta

was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

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

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

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

'make'

'su' and 'make install'

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

kill your existing cron process

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

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

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

ranges with steps -- basically, this step is as much work as you want to make it)

start up the new cron

(must be done as root)

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

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

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

Found in path(s):

\* /opt/cola/permits/1125565035\_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/README

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

Found in path(s):

```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.h  
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/pathnames.h  
*  
/opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/externs.h  
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```

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```

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```
* /opt/cola/permits/1125565035_1613603088.1/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/Makefile
```

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Version 2.1, February 1999

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## 1.87 diffutils 3.7-3

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## 1.89 Isb 11.1.0ubuntu2

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

```
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it under the terms of the GNU  
General Public License as published by  
the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

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

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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 program, if necessary. Here is a sample; alter the names:

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

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

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The

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```

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```
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```

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```
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it
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Version 3, 29 June 2007

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```
# COPYING.other                *- org *-  
#+TITLE: List of code with permissive licenses as used by GnuPG.  
#+STARTUP: showall
```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

-----  
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## 1.94 iconv 2.31

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```
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```

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\*/

/\* checkTag : validation tool for libzstd

\* command :

\* \$ ./checkTag tag

\* checkTag validates tags of following format : v[0-9].[0-9].[0-9]{any }

\* The tag is then compared to zstd version number.

\* They are compatible if first 3 digits are identical.

\* Anything beyond that is free, and doesn't impact validation.

\* Example : tag v1.8.1.2 is compatible with version 1.8.1

\* When tag and version are not compatible, program exits with error code 1.

\* When they are compatible, it exists with a code 0.

\* checkTag is intended to be used in automated testing environment.

\*/

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# 1.100 libtasn 4.16.0-2

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## 1.108 jsonpath-ng 1.4.3



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Metadata-Version: 1.1

Name: jsonpath-ng

Version: 1.4.3

Summary: A final implementation of JSONPath for Python that aims to be standard compliant, including arithmetic and binary comparison operators and providing clear AST for metaprogramming.

Home-page: <https://github.com/h2non/jsonpath-ng>

Author: Tomas Aparicio

Author-email: [tomas@aparicio.me](mailto:tomas@aparicio.me)

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Description: Python JSONPath Next-Generation |[Build Status](#)| [PyPI](#)| [Coverage Status](#)|

=====

A final implementation of JSONPath for Python that aims to be standard compliant, including arithmetic

and binary comparison operators, as defined in the original `JSONPath proposal`.

This package merges both `jsonpath-rw` and `jsonpath-rw-ext` and provides several AST API enhancements, such as the ability to update or remove nodes in the tree.

## About

-----

This library provides a robust and significantly extended implementation of JSONPath for Python. It is tested with CPython 2.6, 2.7 & 3.x.

This library differs from other JSONPath implementations in that it is a full *language* implementation, meaning the JSONPath expressions are first class objects, easy to analyze, transform, parse, print, and extend.

## Quick Start

-----

To install, use pip:

```
.. code:: bash
```

```
$ pip install --upgrade jsonpath-ng
```

## Usage

-----

Basic examples:

```
.. code:: python
```

```
$ python
```

```
>>> from jsonpath_ng import jsonpath, parse
```

```
# A robust parser, not just a regex. (Makes powerful extensions possible; see below)
```

```
>>> jsonpath_expr = parse('foo[*].baz')
```

```
# Extracting values is easy
```

```
>>> [match.value for match in jsonpath_expr.find({'foo': [{'baz': 1}, {'baz': 2}]})]
```

```
[1, 2]
```

```
# Matches remember where they came from
```

```
>>> [str(match.full_path) for match in jsonpath_expr.find({'foo': [{'baz': 1}, {'baz': 2}]})]
```

```
['foo.[0].baz', 'foo.[1].baz']
```

```
# And this can be useful for automatically providing ids for bits of data that do not have them (currently a global switch)
```

```
>>> jsonpath.auto_id_field = 'id'
>>> [match.value for match in parse('foo[*].id').find({'foo': [{'id': 'bizzle'}, {'baz': 3}]})]
['foo.bizzle', 'foo.[1]']
```

```
# A handy extension: named operators like `parent`
```

```
>>> [match.value for match in parse('a.*.b.`parent`.c').find({'a': {'x': {'b': 1, 'c': 'number one'}}, 'y': {'b': 2, 'c': 'number two'}})]
['number two', 'number one']
```

```
# You can also build expressions directly quite easily
```

```
>>> from jsonpath_ng.jsonpath import Fields
>>> from jsonpath_ng.jsonpath import Slice

>>> jsonpath_expr_direct = Fields('foo').child(Slice('*')).child(Fields('baz')) # This is equivalent
```

Using the extended parser:

```
.. code:: python
```

```
$ python
```

```
>>> from jsonpath_ng.ext import parse
```

```
# A robust parser, not just a regex. (Makes powerful extensions possible; see below)
```

```
>>> jsonpath_expr = parse('foo[*].baz')
```

## JSONPath Syntax

-----

The JSONPath syntax supported by this library includes some additional features and omits some problematic features (those that make it unportable). In particular, some new operators such as ``|`` and ``where`` are available, and parentheses are used for grouping not for

callbacks into Python, since with these changes the language is not trivially associative. Also, fields may be quoted whether or not they are contained in brackets.

Atomic expressions:

Syntax	Meaning
--------	---------

``\$``	The root object	
``this``	The "current" object.	
``foo``	More generally, this syntax allows "named operators" to extend JSONPath in arbitrary ways	
*field*	Specified field(s), described below	
``[*field*]``	Same as *field*	
``[*idx*]``	Array access, described below (this is always unambiguous with field access)	

Jsonpath operators:

Syntax	Meaning	
*jsonpath1* ``.`` *jsonpath2* *jsonpath1*	All nodes matched by *jsonpath2* starting at any node matching *jsonpath1*	
*jsonpath* ``[*whatever*]``	Same as *jsonpath* \[*whatever*]	
*jsonpath1* ``.`` *..`` *jsonpath2*	All nodes matched by *jsonpath2* that descend from any node matching *jsonpath1*	
*jsonpath1* ``where`` *jsonpath2*	Any nodes matching *jsonpath1* with a child matching *jsonpath2*	
*jsonpath1* `` `` *jsonpath2*	Any nodes matching the union of *jsonpath1* and *jsonpath2*	

Field specifiers ( \*field\* ):

Syntax	Meaning	
``fieldname``	the field ``fieldname`` (from the "current" object)	
``"fieldname"``	same as above, for allowing special characters in the fieldname	

``fieldname``	ditto	
``*``	any field	
*field* ```,` *field*`	either of the named fields (you can always build equivalent jsonpath using `` ``)	

Array specifiers ( \*idx\* ):

Syntax	Meaning	
``[*\ *n*\ ]``	array index (may be comma-separated list)	
``[*\ *start*\ \ *end*\ \ ]``	array slicing (note that *step* is unimplemented only due to lack of need thus far)	
``[*]``	any array index	

### Programmatic JSONPath

If you are programming in Python and would like a more robust way to create JSONPath expressions that does not depend on a parser, it is very easy to do so directly, and here are some examples:

- ``Root()``
- ``Slice(start=0, end=None, step=None)``
- ``Fields('foo', 'bar')``
- ``Index(42)``
- ``Child(Fields('foo'), Index(42))``
- ``Where(Slice(), Fields('subfield'))``
- ``Descendants(jsonpath, jsonpath)``

### Extras

- \*Path data\*: The result of ``JsonPath.find`` provide detailed context and path data so it is easy to traverse to parent objects, print full paths to pieces of data, and generate automatic ids.
- \*Automatic Ids\*: If you set ``jsonpath\_ng.auto\_id\_field`` to a value other than None, then for any piece of data missing that field, it will be replaced by the JSONPath to it, giving automatic unique ids to any

piece of data. These ids will take into account any ids

already present as well.

- **\*Named operators\***: Instead of using ``@`` to reference the currently object, this library uses ``this``. In general, any string contained in backquotes can be made to be a new operator, currently by extending the library.

### Extensions

-----

name	Example
len	-\$objects.`len`
sub	-\$field.`sub(/foo\\ \\+(.*)/, \\ \\1)`
split	-\$field.`split(+, 2, -1)`
	-\$field.`split(sep, segment, maxsplit)`
sorted	-\$objects.`sorted`
	-\$objects[\\some_field]
	-\$objects[\\some_field/other_field]
filter	-\$objects[?(@some_field > 5)]
	-\$objects[?some_field = "foobar"]
	-\$objects[?some_field > 5 & other < 2]
arithmetic	-\$foo + "_" + \$.bar
(-+*/)	-\$foo * 12
	-\$objects[*].cow + \$.objects[*].cat

### About arithmetic and string

-----

Operations are done with python operators and allows types that python allows, and return [] if the operation can be done due to incompatible types.

When operators are used, a jsonpath must be fully defined otherwise jsonpath-rw-ext can't know if the expression is a string or a jsonpath field, in this case it will choose string as type.

Example with data::

{

```
'cow': 'foo',
'fish': 'bar'
}
```

```
**|**cow + fish** returns **cowfish**
**|**$.cow + $.fish** returns **foobar**
**|**$.cow + "_" + $.fish** returns **foo_bar**
**|**$.cow + "_" + fish** returns **foo_fish**
```

#### About arithmetic and list

-----

Arithmetic can be used against two lists if they have the same size.

Example with data::

```
{'objects': [
  {'cow': 2, 'cat': 3},
  {'cow': 4, 'cat': 6}
]}
```

```
|**$.objects[*].cow + $.objects[*].cat** returns **[6, 9]**
```

#### More to explore

-----

There are way too many JSONPath implementations out there to discuss. Some are robust, some are toy projects that still work fine, some are exercises. There will undoubtedly be many more. This one is made for use in released, maintained code, and in particular for programmatic access to the abstract syntax and extension. But JSONPath at its simplest just isn't that complicated, so you can probably use any of them successfully. Why not this one?

The original proposal, as far as I know:

- `JSONPath - XPath for  
JSON <<http://goessner.net/articles/JSONPath/>>` \_\_ by Stefan Goessner.

#### Other examples

-----

Loading json data from file

.. code:: python

```
import json
```

```
d = json.loads('{"foo": [{"baz": 1}, {"baz": 2}]}')
# or
with open('myfile.json') as f:
    d = json.load(f)
```

Special note about PLY and docstrings

-----

The main parsing toolkit underlying this library, `PLY <https://github.com/dabeaz/ply>`, does not work with docstrings removed. For example, ```PYTHONOPTIMIZE=2``` and ```python -OO``` will both cause a failure.

Contributors

-----

This package is authored and maintained by:

- ```Kenn Knowles <https://github.com/kennknowles>```  
(```@kennknowles <https://twitter.com/KennKnowles>```)
- ```Tomas Aparicio <https://github.com/h2non>```

with the help  
of patches submitted by ```these contributors <https://github.com/kennknowles/python-jsonpath-ng/graphs/contributors>```.

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.. ```JSONPath proposal```: <http://goessner.net/articles/JsonPath/>



```
.. _`jsonpath-rw`: https://github.com/kennknowles/python-jsonpath-rw
.. _`jsonpath-rw-ext`: https://pypi.python.org/pypi/jsonpath-rw-ext/

.. |PyPi downloads| image:: https://pypip.in/d/jsonpath-ng/badge.png
   :target: https://pypi.python.org/pypi/jsonpath-ng
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   :target: http://jsonpath-ng.readthedocs.io/en/latest/?badge=latest
```

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

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Found in path(s):

```
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/jsonpath_ng.egg-
info/PKG-INFO
```

```
* /opt/cola/permits/1154776936_1618890066.76/0/jsonpath-ng-1-4-3-1-tar-gz/jsonpath-ng-1.4.3/PKG-INFO
```

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Found in path(s):

```
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1.4.3/jsonpath_ng/bin/jsonpath.py
```

## 1.109 kafka-python 1.4.5

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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.

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2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1.1	2010	PSF	yes
3.1.3	3.1.2	2010	PSF	yes
3.1.4	3.1.3	2011	PSF	yes
3.2	3.1	2011	PSF	yes
3.2.1	3.2	2011	PSF	yes
3.2.2	3.2.1	2011	PSF	yes
3.3	3.2			
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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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in 2018 by David Blackman and Sebastiano Vigna (vigna@acm.org)

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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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2018 January 20

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Written

in 2018 by David Blackman and Sebastiano Vigna (vigna@acm.org)

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```
<Project Sdk="Microsoft.NET.Sdk">
```

```
<PropertyGroup>
```

```
<OutputType>Exe</OutputType>
```

```
<ApplicationManifest>App.manifest</ApplicationManifest>
```

```
</PropertyGroup>
```

```
<ItemGroup>
```

```
<Compile Include="Program.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.CoClasses.cs" />
```

```
<Compile Include="..\..\ServerContracts/Server.Contracts.cs" />
```

```
<Compile Include="..\..\ServerContracts/ServerGuids.cs" />
```

```
</ItemGroup>
```

```
<ItemGroup>
```

```
<ProjectReference Include="..\..\NativeServer/CMakeLists.txt" />
```

```
<ProjectReference Include="$(TestSourceDir)Common/CoreCLRTestLibrary/CoreCLRTestLibrary.csproj" />
```

```
</ItemGroup>
```

```
</Project>
```

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## 1.115 ply 3.11

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# PLY (Python Lex-Yacc)                      Version 3.11

[![Build Status](https://travis-ci.org/dabeaz/ply.svg?branch=master)](https://travis-ci.org/dabeaz/ply)

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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:

```
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:

```
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:

<https://github.com/dabeaz/ply>

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',
)

# Tokens

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 = " \t"

def t_newline(t):
    r\n+'
    t.lexer.lineno += t.value.count("\n")

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 MINUS expression
    | expression TIMES expression
    | expression DIVIDE expression"
    if p[2] == '+': p[0] = p[1] + p[3]
    elif p[2] == '-': p[0] = p[1] - p[3]
    elif p[2] == '*': p[0] = p[1] * p[3]
    elif p[2] == '/': p[0] = p[1] / p[3]

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](mailto:dave@dabeaz.com).

-- Dave

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```
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```

```
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# 1.116 lz4 1.9.2-2ubuntu0.20.04.1

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Upstream-Name: lz4

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

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lib/lz4frame\_static.h

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lib/xxhash.h

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\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pgen2/parse.py  
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```

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

```
# The start symbol is 'Matcher'.
```

```
Matcher: Alternatives ENDMARKER
```

```
Alternatives: Alternative (' Alternative)*
```

```
Alternative: (Unit | NegatedUnit)+
```

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

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

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

```
Details: '<' Alternatives '>'
```

Found in path(s):

```
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-  
extensions-3.8.2/3.7/Lib/lib2to3/PatternGrammar.txt  
*
```

```
/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-  
extensions-3.8.2/3.6/Lib/lib2to3/PatternGrammar.txt  
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-  
extensions-3.8.2/3.8/Lib/lib2to3/PatternGrammar.txt
```

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```
('binary-only', None,  
"cannot supply both '--source-only' and '--binary-only'")  
'License: ' + self.distribution.get_license(),
```

Found in path(s):

```
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-  
extensions-3.8.2/3.6/Lib/distutils/command/bdist_rpm.py
```

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/command/bdist\_rpm.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/command/bdist\_rpm.py  
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Found in path(s):

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pygram.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_print.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_apply.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/refactor.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/patcomp.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixer\_base.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/patcomp.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_long.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/patcomp.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/tests/test\_pytree.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/tests/pytree\_idempotency.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_execfile.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_long.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pytree.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/pytree.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_repr.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_exec.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixer\_base.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-

extensions-3.8.2/3.7/Lib/lib2to3/refactor.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/tests/pytree\_idempotency.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_ne.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_has\_key.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_print.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_execfile.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_repr.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixer\_base.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_has\_key.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_apply.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/refactor.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/tests/test\_pytree.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_repr.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_apply.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_long.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_exec.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/pytree.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/tests/test\_pytree.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_print.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_ne.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/tests/pytree\_idempotency.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/pygram.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-

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extensions-3.8.2/3.7/Lib/lib2to3/pygram.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_execfile.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_ne.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_has_key.py
*
/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_exec.py
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```

```
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```

```
Found in path(s):
```

```
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_standarderror.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_map.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_xrange.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_xrange.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_buffer.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_dict.py
*
/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_buffer.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_dict.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_standarderror.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_standarderror.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_xrange.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix_map.py
*
/opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_types.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix_types.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix_dict.py
* /opt/cola/permits/1168963812_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-
```

extensions-3.8.2/3.7/Lib/lib2to3/fixes/fix\_filter.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_filter.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_buffer.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/fixes/fix\_types.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_filter.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/fixes/fix\_map.py  
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# version.

Found in path(s):

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/command/bdist\_wininst.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/command/bdist\_msi.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/command/bdist\_msi.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/cygwincompiler.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/command/bdist\_wininst.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/command/bdist\_msi.py  
\*  
/opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/command/bdist\_wininst.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/cygwincompiler.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/cygwincompiler.py  
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Found in path(s):

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/lib2to3/pgen2/tokenize.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/lib2to3/pgen2/tokenize.py  
\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/lib2to3/pgen2/tokenize.py

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executable.

Found in path(s):

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/spawn.py

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/spawn.py

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/spawn.py

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

Found in path(s):

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.6/Lib/distutils/dist.py

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.7/Lib/distutils/dist.py

\* /opt/cola/permits/1168963812\_1622802919.99/0/python3-stdlib-extensions-3-8-2-orig-tar-xz/python3-stdlib-extensions-3.8.2/3.8/Lib/distutils/dist.py

# 1.119 markupsafe 2.0.1

## 1.119.1 Available under license :

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Found in path(s):

```
* /opt/cola/permits/1173095378_1623434331.78/0/sailfishos-mirror-markupsafe-2-0-1-0-g7666dff-1-tar-gz/sailfishos-mirror-markupsafe-dfb5bc1/LICENSE.rst
```

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Found in path(s):

```
* /opt/cola/permits/1173095378_1623434331.78/0/sailfishos-mirror-markupsafe-2-0-1-0-g7666dff-1-tar-gz/sailfishos-mirror-markupsafe-dfb5bc1/setup.cfg
```

## 1.120 libnettle6 3.5.1+really3.5.1-2ubuntu0.2

### 1.120.1 Available under license :

```
/* nettle-internal.c
```

Things that are used only by the testsuite and benchmark, and not included in the library.

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Upstream-Name: Nettle

Upstream-Contact: Niels Miller <nisse@lysator.liu.se>

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The implementation of the AES cipher (also known as rijndael) is  
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#### DES

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#### MD2

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#### MD4

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#### SHA224, SHA256, SHA384, and SHA512

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# 1.122 python-requests 2.26.0

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## 1.124 Isb-base 11.1.0ubuntu2

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Other contributors include:

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Dan Jacobowitz <[dan@debian.org](mailto:dan@debian.org)>  
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```
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Any executables

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#####

```
## Constant-time SSSE3 AES core implementation.  
## version 0.1  
##  
## By Mike Hamburg (Stanford University), 2009  
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##
```



## For details see [http://shiftleft.org/papers/vector\\_aes/](http://shiftleft.org/papers/vector_aes/) and

## <http://crypto.stanford.edu/vpaes/>.

#

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#

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## Constant-time SSSE3 AES core implementation.

## version 0.1

##

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## 1.137 importlib-metadata 4.8.1

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## 1.138 typing-extensions 3.10.0.2

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

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (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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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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```
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# 1.141 ansible-base 2.10.14

## 1.141.1 Available under license :

This package was debianized by Henry Graham (hzgraham) <Henry.Graham@mail.wvu.edu> on Tue, 17 Apr 2012 12:19:47 -0400.

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

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bugfixes:

- "Prevent templating unused variables for { % include % } (<https://github.com/ansible/ansible/issues/68699>)"

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files:

- cipher/cipher-ocb.c

#+begin\_quote

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## 1.143 mergo 0.3.12

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```
import: ../../../../fossene/db/schema/thing.yml
```

fields:

```
site: string
author: root
```

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## 1.147 jinja2 3.0.2

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```
[metadata]
name = Jinja2
version = attr: jinja2.__version__
url = https://palletsprojects.com/p/jinja/
project_urls =
  Donate = https://palletsprojects.com/donate
  Documentation = https://jinja.palletsprojects.com/
  Changes = https://jinja.palletsprojects.com/changes/
  Source Code = https://github.com/pallets/jinja/
```

Issue Tracker = <https://github.com/pallets/jinja/issues/>  
Twitter = <https://twitter.com/PalletsTeam>  
Chat = <https://discord.gg/pallets>  
license = BSD-3-Clause  
license\_files = LICENSE.rst  
author = Armin Ronacher  
author\_email = armin.ronacher@active-4.com  
maintainer = Pallets  
maintainer\_email = contact@palletsprojects.com  
description = A very fast and expressive template engine.  
long\_description = file: README.rst  
long\_description\_content\_type = text/x-rst  
classifiers =  
Development Status :: 5 - Production/Stable  
Environment :: Web Environment  
Intended Audience :: Developers  
License :: OSI Approved ::  
BSD License  
Operating System :: OS Independent  
Programming Language :: Python  
Topic :: Internet :: WWW/HTTP :: Dynamic Content  
Topic :: Text Processing :: Markup :: HTML

[options]

packages = find:  
package\_dir = = src  
include\_package\_data = true  
python\_requires = >= 3.6

[options.packages.find]

where = src

[options.entry\_points]

babel.extractors =  
jinja2 = jinja2.ext:babel\_extract[!18n]

[tool:pytest]

testpaths = tests  
filterwarnings =  
error  
ignore:The loop argument:DeprecationWarning:asyncio[.]base\_events:542

[coverage:run]

branch = True  
source =  
jinja2  
tests

[coverage:paths]

source =  
src  
\*/site-packages

[flake8]

select = B, E, F, W, B9, ISC  
ignore =  
E203  
E501  
E722  
W503  
max-line-length = 80  
per-file-ignores =  
src/jinja2/\_\_\_init\_\_\_py: F401

[mypy]

files = src/jinja2  
python\_version = 3.6  
disallow\_subclassing\_any = True  
disallow\_untyped\_calls = True  
disallow\_untyped\_defs = True  
disallow\_incomplete\_defs = True  
no\_implicit\_optional = True  
local\_partial\_types = True  
no\_implicit\_reexport  
= True  
strict\_equality = True  
warn\_redundant\_casts = True  
warn\_unused\_configs = True  
warn\_unused\_ignores = True  
warn\_return\_any = True  
warn\_unreachable = True

[mypy-jinja2.defaults]

no\_implicit\_reexport = False

[mypy-markupsafe]

no\_implicit\_reexport = False

[egg\_info]

tag\_build =  
tag\_date = 0

Found in path(s):

\* /opt/cola/permits/1210557185\_1633418177.62/0/jinja2-3-0-2-tar-gz/Jinja2-3.0.2/setup.cfg

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Metadata-Version: 2.1

Name: Jinja2

Version: 3.0.2

Summary: A very fast and expressive template engine.

Home-page: <https://palletsprojects.com/p/jinja/>

Author: Armin Ronacher

Author-email: [armin.ronacher@active-4.com](mailto:armin.ronacher@active-4.com)

Maintainer: Pallets

Maintainer-email: [contact@palletsprojects.com](mailto:contact@palletsprojects.com)

License: BSD-3-Clause

Project-URL: Donate, <https://palletsprojects.com/donate>

Project-URL: Documentation, <https://jinja.palletsprojects.com/>

Project-URL: Changes, <https://jinja.palletsprojects.com/changes/>

Project-URL: Source Code, <https://github.com/pallets/jinja/>

Project-URL: Issue Tracker, <https://github.com/pallets/jinja/issues/>

Project-URL: Twitter, <https://twitter.com/PalletsTeam>

Project-URL: Chat, <https://discord.gg/pallets>

Platform: UNKNOWN

Classifier: Development Status :: 5 - Production/Stable

Classifier: Environment :: Web Environment

Classifier: Intended Audience :: Developers

Classifier: License :: OSI Approved :: BSD License

Classifier:

Operating System :: OS Independent

Classifier: Programming Language :: Python

Classifier: Topic :: Internet :: WWW/HTTP :: Dynamic Content

Classifier: Topic :: Text Processing :: Markup :: HTML

Requires-Python: >=3.6

Description-Content-Type: text/x-rst

Provides-Extra: i18n

License-File: LICENSE.rst

## Jinja

=====

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

It includes:

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

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

## Installing

-----  
Install and update using `pip`\_:

.. code-block:: text

```
$ pip install -U Jinja2
```

.. \_pip: <https://pip.pypa.io/en/stable/getting-started/>

In A Nutshell

-----  
.. code-block:: jinja

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

Donate

-----  
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Links

- 
- Documentation: <https://jinja.palletsprojects.com/>
  - Changes: <https://jinja.palletsprojects.com/changes/>
  - PyPI Releases: <https://pypi.org/project/Jinja2/>
  - Source Code: <https://github.com/pallets/jinja/>
  - Issue Tracker: <https://github.com/pallets/jinja/issues/>
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- Twitter: <https://twitter.com/PalletsTeam>
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Found in path(s):

- \* /opt/cola/permits/1210557185\_1633418177.62/0/jinja2-3-0-2-tar-gz/Jinja2-3.0.2/PKG-INFO
- \* /opt/cola/permits/1210557185\_1633418177.62/0/jinja2-3-0-2-tar-gz/Jinja2-3.0.2/src/Jinja2.egg-info/PKG-INFO

## 1.148 jackc-chunkreader 2.0.1

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## 1.149 dlintw-goconf 0.0.0-20120228082610-dcc070983490

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# 1.154 jackc-pgservicefile 0.0.0- 20200714003250-2b9c44734f2b

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## 1.156 openzipkin-zipkin-go-opentracing 0.3.4

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## 1.170 json-iterator-go 1.1.11

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## 1.172 go-openapi-jsonpointer 0.19.5

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Aaron Jacobs <jacobsa@google.com> <aaronjjacobs@gmail.com>
Alex Reece <awreece@gmail.com>
David Symonds <dsymonds@golang.org>
Ryan Barrett <ryanb@google.com>
package empty_interface

//go:generate mockgen -package empty_interface -destination mock.go -source input.go -
copyright_file=mock_copyright_header
```

type Empty interface{ }

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```

```

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// Source: input.go

```

```

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package empty_interface

```

```

import (
    gomock "github.com/golang/mock/gomock"
)

```

```

// MockEmpty is a mock of Empty interface.
type MockEmpty struct {
    ctrl    *gomock.Controller
    recorder *MockEmptyMockRecorder
}

```

```

// MockEmptyMockRecorder is the mock recorder for MockEmpty.

```

```

type MockEmptyMockRecorder struct {
    mock *MockEmpty
}

// NewMockEmpty creates a new mock instance.
func NewMockEmpty(ctrl *gomock.Controller) *MockEmpty {
    mock := &MockEmpty{ctrl: ctrl}
    mock.recorder = &MockEmptyMockRecorder{mock}
    return mock
}

// EXPECT returns an object that allows the caller to indicate expected use.
func (m *MockEmpty) EXPECT() *MockEmptyMockRecorder
{
    return m.recorder
}

```

## 1.174 zap 1.17.0

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## 1.175 sean-seed 0.0.0-20170313163322-e2103e2c3529

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# 1.178 rcrowley-go-metrics 0.0.0-

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## 1.179 oklog-ulid 1.3.1

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## 1.180 go-testing-interface 1.14.0

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# 1.181 dgryski-go-rendezvous 0.0.0- 20200823014737-9f7001d12a5f

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# 1.182 golang-sql-civil 0.0.0-20190719163853- cb61b32ac6fe

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## 1.183 azure-pipeline-go 0.2.3

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## 1.184 shurcool-httpfs 0.0.0-20190707220628-8d4bc4ba7749

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## 1.185 gopkg.in-warnings 0.1.2

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```
* /opt/cola/permits/1212966988_1633989798.74/0/cas-client-support-saml-3-4-1-sources-
jar/org/jasig/cas/client/validation/Saml11TicketValidationFilter.java
*
/opt/cola/permits/1212966988_1633989798.74/0/cas-client-support-saml-3-4-1-sources-
jar/org/jasig/cas/client/util/SamlUtils.java
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# 1.190 kylelemons-godebug 1.1.0



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## 1.191 pretty 1.2.0

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# 1.192 charset-normalizer 2.0.7

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# 1.193 golcs 0.0.0-20170316035057-ecda9a501e82

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## 1.194 xorm.io-core 0.7.3

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## 1.195 gojsondiff 1.0.0

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## go-diff - <https://github.com/sergi/go-diff>

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## golcs - <https://github.com/yudai/golcs>

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## cli.go - <https://github.com/urfave/cli>

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## 1.196 xorm.io-builder 0.3.6

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## 1.197 gopkg-in/mail 2.3.1

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# 1.198 vividcortex-mysqlerr 0.0.0-20170204212430-6c6b55f8796f

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# 1.199 cheekybits-genny 1.0.0

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# 1.200 shortid 0.0.0-20171029131806-771a37caa5cf

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# 1.201 robot-telemetry\_proto 0.0.0-20210520062046-a73bb180cba4

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```
/*
 * Generated by ncsc --mib2yang-std
 * Source: MIB_SOURCES_POST_PROCESSED/CISCO-IMAGE-LICENSE-MGMT-MIB.mib
 */
/*
 * This YANG module has been generated by smidump 0.5.0:
 *
 *   smidump -f yang CISCO-IMAGE-LICENSE-MGMT-MIB
 *
 * Do not edit. Edit the source file instead!
 */
```

```
module CISCO-IMAGE-LICENSE-MGMT-MIB {

  namespace "urn:ietf:params:xml:ns:yang:smiv2:CISCO-IMAGE-LICENSE-MGMT-MIB";
  prefix "cisco-image-license-mgmt-mib";

  import ENTITY-MIB {
    prefix "entity-mib";
```

```

}

import SNMP-FRAMEWORK-MIB {
    prefix "snmp-framework";
}

import ietf-yang-smiv2 {
    prefix "smiv2";
}

organization
    "Cisco Systems Inc.";

contact
    "Cisco Systems
    Customer Service
    Postal: 170 W Tasman Drive
    San Jose, CA 95134
    USA
    Tel: +1 800 553 -NETS
    E-mail: cs-snmp@cisco.com";

description
    "The MIB module for managing the running image level
    of a Cisco device. Cisco's licensing mechanism provides
    flexibility to run a device on a chosen image
    level.
    This mechanism is referred to as image level licensing.
    Image level licensing leverages the universal image
    based licensing solution.

    The image level licensing mechanism works as follows -

    A universal image that contains all levels of software
    packages is loaded on to the device. At boot time, the
    device determines the highest level of license and brings
    up the appropriate software features or subsystems.
    The user can configure the image level with which the
    device has to boot. The system will verify whether the
    appropriate license is available for the configured image
    level. The image level for the next boot will be determined
    based on the availability of the license. The following
    scenarios explains some use-cases of image level licensing:

    Scenario 1:
    - Customer selects advsecurityk9 based image.
    - Manufacturing installs advsecurity license on the device.
    - This device will run all features

```

that are part of the

base advsecurity license.

- Customer upgrades to advipservicesk9 license.
- The next boot level is set to advipservicesk9.
- The device will run advsecurityk9 feature until the next reboot. After reboot the device will run advipservicesk9 features.

Scenario 2:

- Customer selects advipservicesk9 based image.
- Manufacturing installs advipservices and advsecurity license on the device.
- This device will run all features that are part of the base advipservices license.
- No upgrades available for advipservices license.

The user has to accept the End User License Agreement(EULA) before using this MIB to configure the image level.

This MIB should be used in conjunction with CISCO-LICENSE-MGMT-MIB module to achieve the image level licensing functionality.

This MIB module defines objects which provides the different image levels supported by the device and the license required

to enable a particular image level. It also defines objects to let the user configure the required image level. The MIB module contains notification which will be triggered when the user changes the image level for next boot.

The CISCO-LICENSE-MGMT-MIB module should be used to export the EULA and to configure the required license.

This MIB module is defined generically so it can be used for both stand-alone as well as stackable devices. The entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely.";

```
revision 2007-10-16 {  
  description  
    "Initial version of this MIB module."  
}
```

```
typedef BootImageLevel {  
  type binary {  
    length "0..255";  
  }  
}
```

```

description
  "This textual convention is used to define
  the image level.

  If the device is running at advipservices
  image level, then the boot image level will
  be 'advipservices.';
}

typedef LicenseNameList
{
  type binary {
    length "0..255";
  }
  description
    "This textual convention is used to define
    the list of license names. If multiple licenses
    are present then this string will contain all
    the licenses seperated by the ',' character.

    If the license required to run a device at
    advipservices image level is advipservices and
    advsecurity, then the license name list will be
    'advipservices,advsecurity.';
}

container CISCO-IMAGE-LICENSE-MGMT-MIB {
  config false;

  container ciscoImageLicenseMgmtMIBObjects {
    smiv2:oid "1.3.6.1.4.1.9.9.640.1";

    leaf cilmEULAAccepted {
      type boolean;
      description
        "This object when set to TRUE means that the user has
        accepted the END USER LICENSE AGREEMENT. This object
        has to be set to TRUE by the user before using the
        objects in the cilmBootImageLevelTable to configure
        the license.";
      smiv2:defval
        "false";
      smiv2:max-access "read-write";
      smiv2:oid "1.3.6.1.4.1.9.9.640.1.3";
    }
  }
}

```

```

container cilmNotifCntl {
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.4";

    leaf cilmImageLevelChangedNotif {
        type boolean;
        description
            "Specify whether or not a notification should be
            generated on the detection of change in next boot
            image level.

            If set to TRUE, cilmBootImageLevelChanged notification
            will be generated. It is the responsibility of the
            management entity to ensure that the SNMP administrative
            model is configured in such a way as to allow the
            notification to be delivered.";
        reference
            "See also RFC3413 for explanation that notifications
            are under the ultimate control of the MIB module in
            this document.";
        smiv2:defval "false";
        smiv2:max-access "read-write";
        smiv2:oid "1.3.6.1.4.1.9.9.640.1.4.1";
    }
}

```

```

container cilmBootImageLevelTable {
    description
        "A table that contains the configuration information of
        current and next boot image level. This table contains
        entries for each software module running in an image
        loaded in the device. The software module is identified by
        cilmModuleName and the device is identified by
        entPhysicalIndex.";
    smiv2:oid "1.3.6.1.4.1.9.9.640.1.1";

```

```

list cilmBootImageLevelEntry {
    key "entPhysicalIndex cilmModuleName";
    description
        "An entry in the table for each module containing the
        list of objects that define the configuration of next
        boot level. The following information is specified by
        the objects present in the table.

```

- Current image level.
- Configured image level for the next boot.
- Actual image level for the next boot.
- License store index for the current license.

- License index of the current license.
- License store index for the next boot license.
- License index of the next boot license.";

smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1";

```
leaf entPhysicalIndex {
  type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}
```

```
leaf cilmModuleName {
  type snmp-framework:SnmpAdminString;
  description
    "This object is used as one of the two indices in
    cilmBootImageLevelTable. This object indicates the module
    name of the software package. There can be multiple
    modules in an image performing specific functionality.
    For example, in a wireless image there can be two modules
    - a base image module and a wireless module.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.1";
}
```

```
leaf cilmCurrentImageLevel {
  type cisco-image-license-mgmt-mib:BootImageLevel;
  description
    "This object indicates the current image level that
    the module is running.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.2";
}
```

```
leaf cilmConfiguredBootImageLevel {
  type cisco-image-license-mgmt-mib:BootImageLevel;
  description
    "This object indicates the configured image level
    of the module for the next boot.
```

Note: The configured next boot image level may not be the actual next boot image level. The actual next boot image level is denoted by cilmNextBootImageLevel which is determined based on the license availability.";

```
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.3";
}
```

```

leaf cilmNextBootImageLevel {
  type
  cisco-image-license-mgmt-mib:BootImageLevel;
  description
    "This object indicates the next boot image level. The
    next boot image level can be different from configured
    level. The next boot image level is determined based
    on the availability of required license.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.4";
}

```

```

leaf cilmCurrentLicenseStoreIndex {
  type uint32;
  description
    "This object indicates the license store index where the
    currently used license is stored. This object has the same
    value as clmgmtLicenseStoreIndex object and uniquely
    identifies an entry in clmgmtLicenseStoreInfoTable in
    CISCO-LICENSE-MGMT-MIB.

```

Note: The license store index can be '0' if no license is installed and device is running base image.;

```

smiv2:max-access "read-only";

```

```

smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.5";
}

```

```

leaf cilmCurrentLicenseIndex {
  type uint32;
  description
    "This object indicates the license index of the currently used
    license. This object has the same value as clmgmtLicenseIndex and
    uniquely identifies an entry in clmgmtLicenseInfoTable in
    CISCO-LICENSE-MGMT-MIB.

```

Note: The license index can be '0' if no license is installed and device is running base image.;

```

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.6";
}

```

```

leaf cilmNextBootLicenseStoreIndex {
  type uint32;
  description
    "This object indicates the license store index where the
    next boot license is stored. This object has the same
    value as clmgmtLicenseStoreIndex object and uniquely

```



identifies an entry in cIlgmtLicenseStoreInfoTable in

CISCO-LICENSE-MGMT-MIB.

```
Note: The license store index can be '0' if no license is
installed for the next boot.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.7";
}
```

```
leaf cilmNextBootLicenseIndex {
  type uint32;
  description
    "This object indicates the license index of the next boot
    license. This object has the same value as cIlgmtLicenseIndex
    and uniquely identifies an entry in cIlgmtLicenseInfoTable in
    CISCO-LICENSE-MGMT-MIB.
```

```
Note: The license index can be '0' if no license is
installed for the next boot.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.1.1.8";
}
}
}
```

```
container cilmImageLevelToLicenseMapTable {
  description
    "This table contains the mapping between different
    image levels of each modules in the
image and the
    license required to run the modules at a particular
    image level. This table can be used to identify the
    different image levels and the appropriate licenses
    required for each.";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.2";
```

```
list cilmImageLevelToLicenseMapEntry {
  key "entPhysicalIndex cilmModuleName cilmImageLicenseMapIndex";
  description
    "An entry in the table containing the following
    information.
    - The image levels at the which the modules can be run.
    - The license required to the run a module at a
    particular image level.
    - The priority of the license.";
smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1";
```

```

leaf entPhysicalIndex {
  type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}

leaf cilmModuleName {
  type leafref {

    path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmModuleName";
  }
}

leaf cilmImageLicenseMapIndex {
  type uint32;
  description
    "This is a running index used to identify an entry
of this table.";
  smiv2:max-access "not-accessible";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.1";
}

leaf cilmImageLicenseImageLevel {
  type cisco-image-license-mgmt-mib:BootImageLevel;
  description
    "This object indicates the image level at which
a module can be run. A module can be run at
different image levels. An entry will be created
in this table for every module and image level
combination.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.2";
}

leaf cilmImageLicenseName {
  type cisco-image-license-mgmt-mib:LicenseNameList;
  description
    "This object indicates the list of licenses needed to
be installed for the module to run at the image level
mentioned by cilmImageLicenseImageLevel object of this
entry.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.3";
}

```

```

leaf cilmImageLicensePriority {
  type uint32 {
    range "1..255";
  }
  description
    "This object indicates the priority of the image level
    mentioned by cilmImageLicenseImageLevel object of this
    entry. The image level with the highest priority license
    will be considered as the default level in the absense of
    next boot image level configuration. For example if there
    are three licenses 11, 12 and 13 in the ascending order of

    priority, then by default 11 will be the level at which the
    module will be running. If the next boot level is configured
    then the configuration will override the priority. The highest
    priority license supports a feature set which is a super set of
    all other licenses.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.2.1.4";
}
}
}
}

notification cilmBootImageLevelChanged {
  description
    "This notification is triggered when next boot image level
    is changed in the management entity. The current and
    configured image level are indicated by cilmCurrentImageLevel
    and cilmConfiguredBootImageLevel objects respectively.";
  smiv2:oid "1.3.6.1.4.1.9.9.640.0.1";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf cilmModuleName {
      type leafref {
        path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmModuleName";
      }
    }
  }
}

```

```

leaf cilmCurrentImageLevel {
  type leafref {
    path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmCurrentImageLevel";
  }
}

```

```

container object-2 {

```

```

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
}

```

```

  leaf cilmModuleName {
    type leafref {
      path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmModuleName";
    }
  }
}

```

```

  leaf cilmConfiguredBootImageLevel {
    type leafref {
      path "/cisco-image-license-mgmt-mib:CISCO-IMAGE-LICENSE-MGMT-MIB/cisco-image-license-mgmt-
mib:cilmBootImageLevelTable/cisco-image-license-mgmt-mib:cilmBootImageLevelEntry/cisco-image-license-
mgmt-mib:cilmConfiguredBootImageLevel";
    }
  }
}
}

```

```

smiv2:alias "ciscoImageLicenseMgmtMIB" {
  smiv2:oid "1.3.6.1.4.1.9.9.640";
}

```

```

smiv2:alias "ciscoImageLicenseMgmtMIBNotifs" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.0";
}

```

```

smiv2:alias "ciscoImageLicenseMgmtMIBObjects" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.1";
}

```

```
smiv2:alias "cilmNotifCntl" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.1.4";
}
```

```
smiv2:alias "ciscoImageLicenseMgmtMIBConform" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.2";
}
```

```
smiv2:alias "cilmModuleCompliances" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.2.1";
}
```

```
smiv2:alias "cilmModuleGroups" {
  smiv2:oid "1.3.6.1.4.1.9.9.640.2.2";
}
```

```
}
```

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--

-- Juniper Enterprise Specific MIB: License MIB

--

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--

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--

JUNIPER-LICENSE-MIB DEFINITIONS ::= BEGIN

IMPORTS

MODULE-IDENTITY, OBJECT-TYPE, Unsigned32, TimeTicks, IpAddress,

NOTIFICATION-TYPE

FROM SNMPv2-SMI

jnxLicenseMibRoot

FROM JUNIPER-SMI

DisplayString

FROM SNMPv2-TC;

jnxLicenseMIB MODULE-IDENTITY

LAST-UPDATED "201007090000Z"

ORGANIZATION "Juniper Networks, Inc."

CONTACT-INFO

"Juniper Technical Assistance Center

Juniper Networks, Inc.

1194 N. Mathilda Avenue

Sunnyvale, CA 94089

E-mail: support@juniper.net"

DESCRIPTION

"Implementation of enterprise specific MIB

for license commands and configuration."

REVISION "201007090000Z" -- Jul 09, 2010

DESCRIPTION

"Initial version."

::= { jnxLicenseMibRoot 1 }

jnxLicenseNotifications OBJECT IDENTIFIER ::= { jnxLicenseMIB 0 }

jnxLicenseObjects OBJECT IDENTIFIER ::= { jnxLicenseMIB 1 }

jnxLicenseInstallObjects OBJECT IDENTIFIER ::= { jnxLicenseObjects 1 }

jnxLicenseSettings OBJECT IDENTIFIER ::= { jnxLicenseObjects 2 }

-- \*\*\*\*\*  
-- License table for installed licenses  
-- \*\*\*\*\*

jnxLicenseInstallTable OBJECT-TYPE  
SYNTAX SEQUENCE OF JnxLicenseInstallEntry  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION "This table contains installed feature license information."  
::= { jnxLicenseInstallObjects 1 }

jnxLicenseInstallEntry OBJECT-TYPE  
SYNTAX JnxLicenseInstallEntry  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION "A row of giving installed  
feature license information."  
INDEX { IMPLIED jnxLicenseId }  
::= { jnxLicenseInstallTable 1 }

JnxLicenseInstallEntry ::= SEQUENCE {  
jnxLicenseId DisplayString,  
jnxLicenseVersion INTEGER,  
jnxLicenseDeviceId DisplayString,  
jnxLicenseType INTEGER,  
jnxLicenseKeys OCTET STRING  
}

jnxLicenseId OBJECT-TYPE  
SYNTAX DisplayString  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION "Installed feature licenses Id."  
::= { jnxLicenseInstallEntry 1 }

jnxLicenseVersion OBJECT-TYPE  
SYNTAX INTEGER  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "License Version information"  
::= { jnxLicenseInstallEntry 2 }

jnxLicenseDeviceId OBJECT-TYPE  
SYNTAX DisplayString  
MAX-ACCESS read-only  
STATUS current

```
DESCRIPTION "License Device Id "  
::= { jnxLicenseInstallEntry  
3 }
```

```
jnxLicenseType OBJECT-TYPE  
SYNTAX INTEGER { invalid(0), count-down(1), date-based(2),permanent(3) }  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "License type information"  
::= { jnxLicenseInstallEntry 4 }
```

```
jnxLicenseKeys OBJECT-TYPE  
SYNTAX OCTET STRING  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "License Keys"  
::= { jnxLicenseInstallEntry 5 }
```

-- Feature Listing Table

```
jnxLicenseFeatureListTable OBJECT-TYPE  
SYNTAX SEQUENCE OF JnxLicenseFeatureListEntry  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION "list of features supporting Licensing."  
::= { jnxLicenseInstallObjects 2 }
```

```
jnxLicenseFeatureListEntry OBJECT-TYPE  
SYNTAX JnxLicenseFeatureListEntry  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION "A row of licensed features."  
INDEX { jnxLicenseFeatureId  
}  
::= { jnxLicenseFeatureListTable 1 }
```

```
JnxLicenseFeatureListEntry ::= SEQUENCE {  
jnxLicenseFeatureId INTEGER,  
jnxLicenseFeatureName DisplayString,  
jnxLicenseFeatureDescr DisplayString,  
jnxLicenseFeatureLicenseId DisplayString,  
jnxLicenseFeatureLicenseUsed INTEGER,  
jnxLicenseFeatureLicenseInstalled INTEGER,  
jnxLicenseFeatureLicenseNeeded INTEGER  
}
```

```
jnxLicenseFeatureId OBJECT-TYPE  
SYNTAX INTEGER
```



MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION "Feature Id to point an entry in this table"  
::= { jnxLicenseFeatureListEntry 1 }

jnxLicenseFeatureName OBJECT-TYPE

SYNTAX DisplayString  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "Feature Name"  
::= { jnxLicenseFeatureListEntry 2 }

jnxLicenseFeatureDescr OBJECT-TYPE

SYNTAX  
DisplayString  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "Feature Name"  
::= { jnxLicenseFeatureListEntry 3 }

jnxLicenseFeatureLicenseId OBJECT-TYPE

SYNTAX DisplayString  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "Feature License Id"  
::= { jnxLicenseFeatureListEntry 4 }

jnxLicenseFeatureLicenseUsed OBJECT-TYPE

SYNTAX INTEGER  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "Licenses Used"  
::= { jnxLicenseFeatureListEntry 5 }

jnxLicenseFeatureLicenseInstalled OBJECT-TYPE

SYNTAX INTEGER  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION "Licenses Installed"  
::= { jnxLicenseFeatureListEntry 6 }

jnxLicenseFeatureLicenseNeeded OBJECT-TYPE

SYNTAX INTEGER  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"Licenses Needed"  
::= { jnxLicenseFeatureListEntry 7 }

```

-- *****
-- License configuration parameters
-- *****

jnxLicenseRenewBeforExpiration OBJECT-TYPE
    SYNTAX          INTEGER
    MAX-ACCESS      read-only
    STATUS          current
    DESCRIPTION
        "License renew lead time before expiration in days."
    ::= { jnxLicenseSettings 1 }

jnxLicenseRenewInterval OBJECT-TYPE
    SYNTAX          INTEGER
    MAX-ACCESS      read-only
    STATUS          current
    DESCRIPTION
        "License checking interval in hours."
    ::= { jnxLicenseSettings 2 }

jnxLicenseAutoUpdate OBJECT-TYPE
    SYNTAX          DisplayString
    MAX-ACCESS      read-only
    STATUS          current
    DESCRIPTION
        "License auto update URL of a license server."
    ::= { jnxLicenseSettings
3 }

-- *****
-- define branches for jnx license traps
-- *****

jnxLicenseGraceExpired NOTIFICATION-TYPE
    OBJECTS { jnxLicenseFeatureName }
    STATUS current
    DESCRIPTION
        "The SNMP trap that is generated when the license grace period for
        feature identified by jnxLicenseFeatureName is expired"
    ::= { jnxLicenseNotifications 1 }

jnxLicenseGraceAboutToExpire NOTIFICATION-TYPE
    OBJECTS { jnxLicenseFeatureName }
    STATUS current

```

DESCRIPTION

"The SNMP trap that is generated when the license grace period for feature identified by jnxLicenseFeatureName is about to expire"

::= { jnxLicenseNotifications 2 }

jnxLicenseAboutToExpire NOTIFICATION-TYPE

OBJECTS { jnxLicenseFeatureName }

STATUS current

DESCRIPTION

"The SNMP trap that is generated when the license period for

feature identified by jnxLicenseFeatureName is about to expire"

::= { jnxLicenseNotifications 3 }

jnxLicenseInfringeCumulative NOTIFICATION-TYPE

OBJECTS { jnxLicenseFeatureName }

STATUS current

DESCRIPTION

"The SNMP trap that is generated when the feature is used more times than as specified in number of licenses allowed for feature as identified by jnxLicenseFeatureName"

::= { jnxLicenseNotifications 4 }

jnxLicenseInfringeSingle NOTIFICATION-TYPE

OBJECTS { jnxLicenseFeatureName }

STATUS current

DESCRIPTION

"The SNMP trap that is generated when the license for feature identified by jnxLicenseFeatureName is not valid i.e. either expired or not available."

::= { jnxLicenseNotifications 5 }

END

/\*

\* Generated by ncsc --mib2yang-std

\* Source: MIB\_SOURCES\_POST\_PROCESSED/CISCO-LICENSE-MGMT-MIB.mib

\*/

/\*

\* This YANG module has been generated by smidump 0.5.0:

\*

\* smidump -f yang CISCO-LICENSE-MGMT-MIB

\*

\* Do not edit. Edit the source file instead!

\*/

module CISCO-LICENSE-MGMT-MIB {

```
namespace "urn:ietf:params:xml:ns:yang:smiv2:CISCO-LICENSE-MGMT-MIB";
prefix "cisco-license-mgmt-mib";
```

```
import ENTITY-MIB {
  prefix "entity-mib";
}
```

```
import INET-ADDRESS-MIB {
  prefix "inet-address";
}
```

```
import SNMP-FRAMEWORK-MIB {
  prefix "snmp-framework";
}
```

```
import SNMPv2-TC {
  prefix "snmpv2-tc";
}
```

```
import ietf-yang-smiv2 {
  prefix "smiv2";
}
```

```
organization
  "Cisco Systems Inc.";
```

```
contact
  "Cisco Systems
  Customer Service
```

```
Postal: 170 W Tasman Drive
```

```
San Jose, CA 95134
```

```
USA
```

```
Tel: +1 800 553 -NETS
```

```
E-mail: cs-snmp@cisco.com";
```

```
description
  "The MIB module for managing licenses on the system.
```

```
The licensing mechanism provides flexibility to
enforce licensing for various features in the system.
```

```
The following text introduces different concepts and
terms those are necessary to understand the MIB definition
```

and to perform license management.

#### UDI

Universal Device Identifier that uniquely identifies a device. It comprises of product ID, version ID and serial number of the device.

#### NODE LOCKED LICENSE:

Node locked licenses are locked to one of the device identifiers in the system. For example, the license can be locked to the UDI value of one of the devices in the system. Locking a license to an UDI guarantees that the license will not be moved to a device with a different UDI.

#### NON-NODE LOCKED LICENSE:

Non-node locked licenses are not locked to any device identifier. They can be used on other similar devices.

#### METERED LICENSE:

Metered

licenses are valid for limited period of time

and they expire after that. This period is the usage period of a license and it is not based on real time clock, but system clock.

#### EULA:

End User License Agreement.

#### EVALUATION LICENSE:

Evaluation licenses are non-node locked metered licenses which are valid only for a limited period.

They are used only when there are no permanent, extension or grace period licenses for a feature.

User will have to accept EULA (End User License Agreement) before using an evaluation license. Even though they are not node locked, their usage is recorded on the device.

#### RIGHT TO USE (RTU) LICENSE:

Right to use license is a non-node locked metered license which is in evaluation mode for a limited time after which it is converted to Right To Use (RTU) license and is valid for the lifetime of the product.

User will have to accept EULA (End User License Agreement) before using this license. Even though it is not node locked, usage information is recorded on the device.

#### EXTENSION LICENSE:

Extension licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. User will have to accept an EULA as part of installation of extension license.

#### GRACE PERIOD LICENSE:

Grace period licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal as part of the permission ticket to rehost a license. These licenses are installed on the device as part of the rehost operation. User will have to accept an EULA as part of the rehost operation for this type of license. Details on permission ticket, rehost operations are provided

further down in this description clause.

#### PERMANENT LICENSE:

Permanent licenses are node locked licenses that have no usage period associated with them. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. Once these licenses are installed, they will provide needed permission for the feature/image across different versions.

#### COUNTED LICENSE:

Counted licenses limit the number of similar entities that can use the license. For example, a counted license when used by a feature can limit the number of IP phones that can connect or the number of tunnels that can be created.

#### UNCOUNTED LICENSE:

Uncounted licenses do not limit the number of similar entities that can use the licenses.

License can be enforced at the image level or at the feature level and this MIB module supports both.

#### IMAGE LEVEL LICENSING:

A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license

and brings up the appropriate software features or subsystems.

#### FEATURE LEVEL LICENSING:

Feature level licensing will support enforcement of license at individual feature. Features have to check for their licenses before enabling themselves. If it does not have a license, the feature should disable itself.

There is a one-to-one relationship between a feature and a license. That is, a feature can use only one license at a time and a license can be used by only one feature at a time.

#### LICENSE LINE:

A License line is an atomic set of ASCII characters arranged in a particular format that holds the license for a single feature within it. A line has all the necessary fields and attributes that make it a valid, non-tamper able and complete license.

#### LICENSE FILE:

File generated by Cisco licensing portal. It is used to install license on product. It has a user readable part and it contains one or more license lines.

#### DEVICE CREDENTIALS:

Device credentials file is a document that is generated by a licensed device. This document establishes the identity of the device and proves that the sender/user has/had authorized access to the device.

#### REHOST:

Rehost operation allows a node locked license that is installed on a device to be installed on other similar device. As part of rehost operation, a device processes the permission ticket, revokes the license(s) on the device and generates a rehost ticket as the proof of revocation. This rehost ticket needs to be

presented to the Cisco's licensing portal to get the license transferred on to a new similar device.

#### PERMISSION TICKET:

Permission ticket is a document generated by Cisco licensing portal that allows a device to rehost its

licenses.

#### REHOST TICKET:

Rehost ticket is document generated by a device after it has applied a permission ticket. The rehost ticket is a proof of revocation.

#### LICENSING PORTAL:

Generates licenses, permission tickets and verifies device credentials and rehost tickets.

This MIB module provides MIB objects to install, clear, revoke licenses. It also provides objects to regenerate last rehost ticket, backup all the licenses installed on a device, generate & export EULA for licenses.

#### STEPS TO INSTALL A LICENSE:

To install a license, the management application

1. Retrieves device credentials of the device.

2. Communicates

with Cisco's licensing portal to get

the license file, uses device credentials to identify the device

3. Executes the license install action.

#### STEPS TO CLEAR A LICENSE:

To clear a license, the management application

1. Identifies the license to be cleared using license index.

2. Executes the license clear action.

#### STEPS TO REHOST A LICENSE:

To rehost a license, the management application

1. Retrieves device credentials of the device.

2. Communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.

3. Executes the processPermissionTicket action. Device revokes the license and generates rehost ticket to be submitted as proof of revocation.

4. Retrieves device credentials of the device where the license needs to be transferred to.

5. Submits rehost

ticket as proof of revocation to

Cisco's licensing portal, uses device credentials of the new device to identify the device, gets license file.

6. Executes the license install action on the new



device.

#### STEPS TO REGENERATE LAST REHOST TICKET:

To regenerate last rehost ticket, the management application

1. Retrieves device credentials of the device.
2. Uses already obtained permission ticket or communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the regenerateLastRehostTicket action. Device generates rehost ticket to be submitted as proof of revocation.

#### STEPS TO BACKUP ALL LICENSES:

To backup all licenses installed in the device, the management application

1. Specifies the backup file path.
2. Executes the license backup action.

#### STEPS TO GENERATE & EXPORT EULA:

To install certain kind of licenses, the management application must accept EULA first. The management application can generate and export EULA for one or more licenses with out installing licenses as follows.

1. Specifies the license file path that has licenses to be installed
2. Specifies the EULA file path where EULA need to be exported to
3. Executes the generate EULA action.

To support the various license actions, this MIB module also defines MIB objects to know if a device supports licensing, retrieve device credentials, retrieve information on license stores in the device.

It also defines MIB objects to expose management information associated with the licenses installed on the device, with the licensable features in the software image.

This MIB module also defines various notifications that will be triggered to asynchronously notify the management application of any critical events.

This MIB module is defined generically so it can be implemented on stand alone devices or stack of devices.

In stack of devices, one device in the stack acts as master agent and rest are slave agents. Each device in the stack has its own UDI. The master agent receives requests on behalf of all the devices in the stack including itself and delegates it to other devices as needed. It also collects responses from other devices and sends them to the management application. Examples of such devices include stackable switches, devices with route processor and line cards. On the other hand, stand alone device is a single device and has only one UDI associated with it.

entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely. It is specified as the index or one of the index for tables in this MIB as needed.";

```
revision 2012-04-19 {
description
"This version of the MIB adds support for Permanent Right to use (RTU)
licensing. The revisions are:
o Updated clmgmtLicenseType object to support the following new
types of license:
permanentRightToUse

The new module compliance is ciscoLicenseMgmtComplianceRev1.";
}
```

```
revision 2011-04-19 {
description
"This version of the MIB adds support for Right to use (RTU)
licensing. The revisions are:
o Added RTU license definition to MIB description above.
o Updated clmgmtLicenseType object to support the following new
types of license:
evalRightToUse
rightToUse
o Added following objects to clmgmtLicenseInfoTable
clmgmtLicensePeriodUsed
o Added following objects to clmgmtLicensableFeatureTable
clmgmtFeaturePeriodUsed
o Added the following notifications
clmgmtLicenseEvalRTUTransitionWarning
clmgmtLicenseEvalRTUTransition
o Added the following conformance groups
clmgmtLicenseRTUGroup
clmgmtLicenseRTUUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1.";
}
```

```

revision 2008-11-21 {
description
"This version of the MIB adds support for subscription
licensing. Subscription licenses provide software
enforcement for a licensed feature for a fixed calendar
period. The revisions are:
o Updated clmgmtLicenseType object to support the following three
new types of licenses:
    paidSubscription
    evaluationSubscription
    extensionSubscription
o Added following objects to clmgmtLicenseInfoTable
    clmgmtLicenseStartDate
    clmgmtLicenseEndDate
o Added following objects to clmgmtLicensableFeatureTable
    clmgmtFeatureStartDate
    clmgmtFeatureEndDate
o Added the following notifications
    clmgmtLicenseSubscriptionExpiryWarning
    clmgmtLicenseSubscriptionExtExpiryWarning
    clmgmtLicenseSubscriptionExpired
o Added the following conformance groups
    clmgmtLicenseSubscriptionGroup
    clmgmtLicenseSubscriptionUsageNotifGroup
The new module compliance is ciscoLicenseMgmtComplianceRev1.";
}

```

```

revision 2006-10-03 {
description
"Initial version of this MIB module.";
}

```

```

typedef ClmgmtLicenseIndex {
type uint32 {
range "1..4294967295";
}
description
"A unique value, for each license in the managed system.
It is not necessary to have values assigned contiguously.
The value for each license must remain constant
at least from one re-initialization of the entity's
network management system to the next re-initialization";
}

```

```

typedef ClmgmtLicenseIndexOrZero {
type uint32;
description

```

"This textual convention is an extension of the ClmgmtLicenseIndex convention.

The latter defines a greater than zero value used to identify a license in the managed system. This extension permits the additional value of zero. The value zero is object-specific and must therefore be defined as part of the description of any object which uses this syntax. Examples of the usage of zero might include situations where license was not present or unknown.";

```
typedef ClmgmtLicenseTransferProtocol {
  type enumeration {
    enum "none" {
      value "1";
    }
    enum "local" {
      value "2";
    }
    enum "tftp" {
      value "3";
    }
    enum "ftp" {
      value "4";
    }
    enum "rcp" {
      value "5";
    }
    enum "http" {
      value "6";
    }
    enum "scp" {
      value "7";
    }
    enum "sftp" {
      value "8";
    }
  }
  description
  "The transfer protocol that should be used for copying files
  when performing license management. When
  the protocol is
  set to local(2), local file system (flash or disk) is used.
  Different agents may support different transfer protocols
  and the management application is expected to some how determine
  which protocol is supported and use.";
}
```

```

typedef ClmgmtLicenseActionState {
  type enumeration {
    enum "none" {
      value "1";
    }
    enum "pending" {
      value "2";
    }
    enum "InProgress" {
      value "3";
    }
    enum "successful" {
      value "4";
    }
    enum "partiallySuccessful" {
      value "5";
    }
    enum "failed" {
      value "6";
    }
  }
  description
  "The state of license action execution.

```

none(1) - action is not yet scheduled to be executed.

pending(2) - All the required parameters for the action are set and the action is scheduled to be executed.

InProgress(3) - action execution has started and is in progress.

successful(4) - action has completed successfully.

partiallySuccessful(5) - action has completed, but was partially successful. Management application can query additional MIB objects to know what is successful and what has failed. These additional objects are listed in the description of the corresponding action tables.

failed(6) - action has failed.";

}

```
typedef ClmgmtLicenseActionFailCause {
  type enumeration {
    enum "none" {
      value "1";
    }
    enum "generalFailure" {
      value "2";
    }
    enum "transferProtocolNotSupported" {
      value
"3";
    }
    enum "fileServerNotReachable" {
      value "4";
    }
    enum "unrecognizedEntPhysicalIndex" {
      value "5";
    }
    enum "invalidLicenseFilePath" {
      value "6";
    }
    enum "invalidLicenseFile" {
      value "7";
    }
    enum "invalidLicenseLine" {
      value "8";
    }
    enum "licenseAlreadyExists" {
      value "9";
    }
    enum "licenseNotValidForDevice" {
      value "10";
    }
    enum "invalidLicenseCount" {
      value "11";
    }
    enum "invalidLicensePeriod" {
      value "12";
    }
    enum "licenseInUse" {
      value "13";
    }
    enum "invalidLicenseStore" {
      value "14";
    }
    enum "licenseStorageFull" {
      value "15";
    }
  }
}
```

```

}
enum "invalidPermissionTicketFile" {
  value "16";
}
enum "invalidPermissionTicket" {
  value "17";
}
enum "invalidRehostTicketFile" {
  value "18";
}
enum "invalidRehostTicket"
{
  value "19";
}
enum "invalidLicenseBackupFile" {
  value "20";
}
enum "licenseClearInProgress" {
  value "21";
}
enum "invalidLicenseEULAFile" {
  value "22";
}
}
description
"Reason for license action failure. Defines error codes for
all the license actions.

```

none(1) - action execution has not started yet. If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.

generalFailure(2) - General licensing failure. This will be used for resource unavailability failures.

Ex: Lack of memory.

transferProtocolNotSupported(3) - protocol selected is not supported.

fileServerNotReachable(4) - file server is not reachable.

unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid

invalidLicenseFilePath(6) - The license file path is not accessible.

invalidLicenseFile(7) - Contents of license file are

not valid.

invalidLicenseLine(8) - License string in the license file is not valid.

licenseAlreadyExists(9) - Management application is trying to install a license that already exists.

licenseNotValidForDevice(10) - This license is not valid for the device/entPhysicalIndex specified.

invalidLicenseCount(11) - Invalid count for this counted license.

invalidLicensePeriod(12) - Validity period is invalid for this expiring license.

licenseInUse(13) - License file is in use by a feature/image.

invalidLicenseStore(14) - License store is not valid.

licenseStorageFull(15) - There is no more space in the license storage.

invalidPermissionTicketFile(16) - The permission ticket file path is not accessible.

invalidPermissionTicket(17) - The permission ticket file contents are not valid.

invalidRehostTicketFile(18) - The rehost ticket file path is not accessible.

invalidRehostTicket(19) - The rehost ticket file contents are not valid.

invalidLicenseBackupFile(20) - License backup store path is not accessible.

licenseClearInProgress(21) - When license clear action is in progress, license backup action is not permitted to avoid race conditions. This error code is sent back in response to a license backup action when a license clear action is in progress or in pending state. Try again in few seconds.

invalidLicenseEULAFile(22) - EULA file path is not accessible.";

}

container CISCO-LICENSE-MGMT-MIB {  
 config false;

container clmgmtLicenseConfiguration {  
 smiv2:oid "1.3.6.1.4.1.9.9.543.1.1";



```

leaf clmgmtNextFreeLicenseActionIndex {
  type uint32 {
    range "1..4294967295";
  }
  description
  "This object contains appropriate value for
  clmgmtLicenseActionIndex that can be used to create
  an entry in clmgmtLicenseActionTable. The management application
  should read this object first and then use this as the
  value for clmgmtLicenseActionIndex to avoid collisions
  when creating entries in clmgmtLicenseActionTable.
  Following this approach does not guarantee collision free
  row creation, but will reduce the probability. The
  collision will happen if two management applications read this
  object at the same time and attempt to create an entry
  with this value at the same time. In this case, the
  management application whose request is processed after the first
  request will get an error and the process of reading this object
  and
  entry creation needs to be repeated.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.1";
}
}

```

```

container clmgmtLicenseDeviceInformation {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3";

```

```

leaf clmgmtNextFreeDevCredExportActionIndex {
  type uint32;
  description
  "This object contains appropriate value for
  clmgmtDevCredExportActionIndex that can be used to create
  an entry in clmgmtDevCredExportActionTable. The management
  application should read this object first and then use this
  as the value for clmgmtDevCredExportActionIndex to avoid
  collisions when creating entries in
  clmgmtDevCredExportActionTable. Following this approach does
  not guarantee collision free row creation, but will reduce
  the probability. The collision will happen if two
  management applications read this object at the same time and
  attempt to create an entry
  with this value at the same time.
  In this case, the management application whose request is
  processed after the first request will get an error and the
  process of reading this object and entry creation needs to be

```

```

    repeated.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.1";
  }
}

container clmgmtLicenseNotifObjects {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4";

  leaf clmgmtLicenseUsageNotifEnable {
    type boolean;
    description
      "This object indicates whether the device should generate
      the notifications related to usage of licenses. This object
      enables/disables sending following notifications:
        clmgmtLicenseExpired
        clmgmtLicenseExpiryWarning
        clmgmtLicenseUsageCountExceeded
        clmgmtLicenseUsageCountAboutToExceed
        clmgmtLicenseSubscriptionExpiryWarning
        clmgmtLicenseSubscriptionExtExpiryWarning
        clmgmtLicenseSubscriptionExpired
        clmgmtLicenseEvalRTUTransitionWarning
        clmgmtLicenseEvalRTUTransition";
    smiv2:defval "true";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.1";
  }

  leaf clmgmtLicenseDeploymentNotifEnable {
    type boolean;
    description
      "This object indicates whether the device should generate
      notifications related to license deployment. This object
      enables/disables sending following notifications:
        clmgmtLicenseInstalled
        clmgmtLicenseCleared
        clmgmtLicenseRevoked
        clmgmtLicenseEULAAccepted";
    smiv2:defval "true";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.2";
  }

  leaf clmgmtLicenseErrorNotifEnable {
    type boolean;
    description
      "This object indicates whether the device should generate

```

notifications related to error conditions in enforcing licensing. This object enables/disables sending following notifications:

```
    clmgmtLicenseNotEnforced";
smiv2:defval "true";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.4.3";
}
}
```

container clmgmtLicenseActionTable {

description

"A table for invoking license management actions. Management application must create a row in this table to trigger any of the license management actions. The following are different actions that can be executed using this table.

1. install
2. clear
3. processPermissionTicket
4. regenerateLastRehostTicket
5. backup
6. generateEULA

Refer to the description of clmgmtLicenseAction for more information on what these actions do on the device.

Once the request completes, the management application should

retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion.";

```
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2";
```

list clmgmtLicenseActionEntry {

key "clmgmtLicenseActionIndex";

description

"An entry for each action that is being executed or was executed recently. The management application executes an action

by creating this entry. This can be done in the following 2 methods

#### 1. CREATE-AND-GO method

Management application sets clmgmtLicenseActionRowStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the

action. If the SET request fails, the entry will not be created.

## 2. CREATE-AND-WAIT method

Management application sets `clmgmtLicenseActionRowStatus` to `createAndWait(5)` to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting `clmgmtLicenseActionRowStatus` to `active(1)`.

To stop the action from being executed, the management application can delete the entry by setting `clmgmtLicenseActionRowStatus` to `destroy(6)` when `clmgmtLicenseActionState` is `pending(2)`.

The status of action execution can be known by querying `clmgmtLicenseActionState`. If the action is still in `pending(2)` or in `InProgress(3)` state, the management application need to check back again after few seconds. Once the action completes and status of the action is `failed(6)`, the reason for failure can be retrieved from `clmgmtLicenseActionFailCause`. If the status of the action is `partiallySuccessful(5)`, results of individual licenses can be queried from `clmgmtLicenseActionResultTable`.

Not all objects in the entry are needed to execute every action. Below is the list of actions and the required objects that are needed to be set for executing that action.

### 1. Installing a license

The following MIB objects need to be set for installing a license

- a. `clmgmtLicenseActionTransferProtocol`
- b. `clmgmtLicenseServerAddressType`
  - c. `clmgmtLicenseServerAddress`
  - d. `clmgmtLicenseServerUsername`
  - e. `clmgmtLicenseServerPassword`
  - f. `clmgmtLicenseFile`
  - g. `clmgmtLicenseStore`
  - h. `clmgmtLicenseStopOnFailure`

- i. clmgmtLicenseAcceptEULA
- j. clmgmtLicenseAction

clmgmtLicenseActionEntPhysicalIndex need not be set explicitly for license installs. License itself identifies the device where the license needs to be installed.

clmgmtLicenseStore need to be set to store the licenses in a non-default license store. But, if a license file has more than one license and licenses need to be installed on multiple devices (for example to multiple members within a stack), then value of clmgmtLicenseStore is ignored and the licenses will be installed in default license stores of the respective devices.

## 2. Clearing a license

The following MIB objects need to be set for clearing a license

- a. clmgmtLicenseActionEntPhysicalIndex
- b. clmgmtLicenseActionLicenseIndex
- c. clmgmtLicenseStore
- d. clmgmtLicenseAction

## 3. Revoking a license

The following MIB objects need to be set for revoking a license

- a. clmgmtLicenseActionTransferProtocol
- b. clmgmtLicenseServerAddressType
- c. clmgmtLicenseServerAddress
- d. clmgmtLicenseServerUsername
- e. clmgmtLicenseServerPassword
- f. clmgmtLicensePermissionTicketFile
- g. clmgmtLicenseRehostTicketFile
- h. clmgmtLicenseStopOnFailure
- i. clmgmtLicenseAction

## 4. Regenerate last rehost ticket

The following

MIB objects need to be set for regenerating last rehost ticket

- a. clmgmtLicenseActionTransferProtocol
- b. clmgmtLicenseServerAddressType
- c. clmgmtLicenseServerAddress
- d. clmgmtLicenseServerUsername
- e. clmgmtLicenseServerPassword
- f. clmgmtLicensePermissionTicketFile
- g. clmgmtLicenseRehostTicketFile
- h. clmgmtLicenseStopOnFailure

i. clmgmtLicenseAction

5. Save all licenses to a backup storage

The following MIB objects need to be set for storing all licenses to a backup store

- a. clmgmtLicenseActionEntPhysicalIndex
- b. clmgmtLicenseActionTransferProtocol
- c. clmgmtLicenseServerAddressType
- d. clmgmtLicenseServerAddress
- e. clmgmtLicenseServerUsername
- f. clmgmtLicenseServerPassword
- g.

clmgmtLicenseBackupFile

- h. clmgmtLicenseAction

6. Generate and export EULA if the licenses need EULA to be accepted for installing.

The following MIB objects need to be set exporting required EULAs

- a. clmgmtLicenseActionTransferProtocol
- b. clmgmtLicenseServerAddressType
- c. clmgmtLicenseServerAddress
- d. clmgmtLicenseServerUsername
- e. clmgmtLicenseServerPassword
- f. clmgmtLicenseFile
- g. clmgmtLicenseEULAFile
- h. clmgmtLicenseAction

For any action, if clmgmtLicenseActionTransferProtocol is set to local(2), the following objects need not be set.

- a. clmgmtLicenseServerAddressType
- b. clmgmtLicenseServerAddress
- c. clmgmtLicenseServerUsername
- d. clmgmtLicenseServerPassword

Entry can be deleted

except when clmgmtLicenseAction is set

to pending(2). All entries are volatile and are cleared on agent reset.";

smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1";

```
leaf clmgmtLicenseActionIndex {
```

```
  type uint32 {
```

```
    range "1..4294967295";
```

```
  }
```

```
  description
```

```
    "This object uniquely identifies a row in
```

```

    clmgmtLicenseActionTable. The management application should choose
    this value by reading clmgmtNextFreeLicenseActionIndex
    while creating an entry in this table. If an entry already
    exists with this index, the creation of the entry will not
    continue and error will be returned. The management application
    should read the value of clmgmtNextFreeLicenseActionIndex
    again and retry with the new value for this object.";
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.1";
}

```

```

leaf clmgmtLicenseActionEntPhysicalIndex
{
    type entity-mib:PhysicalIndexOrZero;
    description
    "This object represents the entPhysicalIndex of the device
    where the action is being executed. This object is mainly
    used in devices where one device is acting as a master and
    rest of the devices as slaves. The master device is
    responsible for SNMP communication with the management
    application. Examples include stackable switches, devices
    with route processor and line card configuration. If this
    object is not set, the license action will be executed on
    the master device. Note: This object need not be set if
    there is a stand alone device";
    smiv2:defval "0";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.2";
}

```

```

leaf clmgmtLicenseActionTransferProtocol {
    type cisco-license-mgmt-mib:ClmgmtLicenseTransferProtocol;
    description
    "This object represents the transfer protocol to be used
    when copying files as specified in the following objects.
    1. clmgmtLicenseFile
    2. clmgmtLicensePermissionTicketFile
    3. clmgmtLicenseRehostTicketFile
    4. clmgmtLicenseBackupFile

    Note: This object need not be set if the all the files
    required for the action are in device's local file system.";
    smiv2:defval "none";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.3";
}

```

```

leaf clmgmtLicenseServerAddressType {

```

```

type inet-address:InetAddressType;
description
  "This object indicates the transport type of the
  address contained in clmgmtLicenseServerAddress object.
  This must be set when clmgmtLicenseActionTransferProtocol
  is not none(1) or local(2).";
smiv2:defval
"unknown";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.4";
}

leaf clmgmtLicenseServerAddress {
type inet-address:InetAddress;
description
  "This object indicates the ip address of the server from
  which the files must be read or written to if
  clmgmtLicenseActionTransferProtocol is not none(1) or
  local(2).

  All bits as 0s or 1s for clmgmtLicenseServerAddress are not
  allowed.

  The format of this address depends on the value of the
  clmgmtLicenseServerAddressType object";
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.5";
}

leaf clmgmtLicenseServerUsername {
type snmp-framework:SnmpAdminString {
  length "0..96";
}
description
  "This object indicates the
remote user name for accessing
  files via ftp, rcp, sftp or scp protocols. This object must
  be set when the clmgmtLicenseActionTransferProtocol is
  ftp(4), rcp(5), scp(7) or sftp(8). If
  clmgmtLicenseActionTransferProtocol is rcp(5), the remote
  username is sent as the server username in an rcp command
  request sent by the system to a remote rcp server.";
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.6";
}

```



```

leaf clmgmtLicenseServerPassword {
  type snmp-framework:SnmpAdminString {
    length "0..96";
  }
  description
    "This object indicates the password used by ftp, sftp or
    scp for copying a file to/from an ftp/sftp/scp server.
    This object must be set when the
    clmgmtLicenseActionTransferProtocol is ftp(4) or scp(7)
    or sftp(8). Reading it returns
    a zero-length string for
    security reasons.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.7";
}

leaf clmgmtLicenseFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
    "This object represents the location of the license file
    on the server identified by clmgmtLicenseServerAddress. This
    object MUST be set to a valid value before or concurrently
    with setting the value of the clmgmtLicenseAction object to
    install(2). For other operations, the value of this
    object is not considered, it is irrelevant.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.8";
}

leaf clmgmtLicenseStore {
  type uint32;
  description
    "This object represents the clmgmtLicenseStoreIndex
    of the
    license store to use within the device. The license store
    can be a local disk or flash. A device can have more than
    one license stores. If this object is not set, the license
    will be stored in the default license store as exposed by
    clmgmtDefaultLicenseStore object.";
  smiv2:defval "0";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.9";
}

```

```

leaf clmgmtLicenseActionLicenseIndex {
  type cisco-license-mgmt-mib:ClmgmtLicenseIndexOrZero;
  description
    "This object indicates the the license index of the license
    that is the subject of this action. This is used for
    identifying a license for performing actions specific to
    that license. This object need to be set only if
    clmgmtLicenseAction is set to clear(4). The value of this
    object is same as the clmgmtLicenseIndex
object in
  clmgmtLicenseInfoEntry for license that is subject of this
  action.";
  smiv2:defval "0";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.10";
}

leaf clmgmtLicensePermissionTicketFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
    "This object indicates the file name of the permission
    ticket. This object need to be set only if
    clmgmtLicenseAction is set to processPermissionTicket(4)
    or regenerateLastRehostTicket(5) actions. The permission
    ticket is obtained from Cisco licensing portal to revoke
    a license. The management application must set this object
    to valid value before invoking the action.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.11";
}

leaf clmgmtLicenseRehostTicketFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
    "This object indicates the file where the rehost ticket
    generated by the device need to be exported to. The rehost
    ticket is generated as a result of processPermissionTicket
    and regenerateLastRehostTicket actions. After generating
    the rehost ticket, the device exports the rehost ticket
    contents to this file. This object need to be set only
    if clmgmtLicenseAction is set to processPermissionTicket(4)
    or regenerateLastRehostTicket(5) actions.";

```

```

smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.12";
}

leaf clmgmtLicenseBackupFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object indicates
the file where all the licenses in
the device need to be backed up. This object need to be set
only if clmgmtLicenseAction is set to backup(6) and the
management application must set the value of this object
to valid value before invoking action.";
smiv2:defval "";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.13";
}

leaf clmgmtLicenseStopOnFailure {
  type boolean;
  description
  "This object indicates whether the license action should
stop if the action on a license fails. This object is
applicable only if there are more than one licenses
involved in an action.";
smiv2:defval "false";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.14";
}

leaf clmgmtLicenseAction {
  type enumeration {
    enum "noOp" {
value "1";
    }
    enum "install" {
value "2";
    }
    enum "clear" {
value "3";
    }
    enum "processPermissionTicket" {
value "4";
    }
  }
}

```

```

enum "regenerateLastRehostTicket" {
  value "5";
}
enum "backup" {
  value "6";
}
enum "generateEULA" {
  value "7";
}
}
description
"This object indicates the the command/action to be executed.

```

Command	Remarks
noOp(1)	No operation will be performed.
install(2)	Installs the license.
clear(3)	Clears the license.

```

processPermissionTicket(4)
Processes thee permission
ticket and generates and
exports rehost ticket.

```

```

regenerateLastRehostTicket(5) Generates and exports the
last generated rehost
ticket.

```

```

backup(6) Backs up all the licenses
installed currently onto a
backup store.

```

```

generateEULA(7) Checks whether the licenses
in the license file need EULA
acceptance and uploads the
needed EULA contents to a file.";

```

```

smiv2:defval "noOp";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.15";
}

```

```

leaf clmgmtLicenseActionState {
type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
description
"This object indicates the state of this license action.";

```

```

smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.16";
}

leaf clmgmtLicenseJobQPosition {
  type uint32;
  description
    "This object represents the position of the action
    in the license action job queue that is maintained
    internally. Only actions in pending(2) state will
    be put in the queue until they are executed. By
    reading this object, the management application can make
    intelligent decision on whether to execute another
    action that it is planning on. For example, if there
    is already a license clear action in the queue in
    pending(2) state, management application can choose to
    defer its license back up action to a later time. This
    object will return a value of 0 if the action is not in
    pending(2) state.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.17";
}

leaf clmgmtLicenseActionFailCause {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionFailCause;
  description
    "This object indicates the reason for this license action
    failure. The value of this object is valid only when
    clmgmtLicenseActionState is failed(6).";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.18";
}

leaf clmgmtLicenseActionStorageType {
  type snmpv2-tc:StorageType;
  description
    "This object indicates the storage type for this conceptual
    row. Conceptual rows having the value 'permanent' need not
    allow write-access to any columnar objects in the row.";
  smiv2:defval "volatile";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.19";
}

leaf clmgmtLicenseActionRowStatus {
  type snmpv2-tc:RowStatus;
  description

```

"This object indicates the the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtLicenseConfigCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row. It is recommended that the management application should delete entries in this table after reading the result. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion";

```
smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.20";
}
```

```
leaf clmgmtLicenseAcceptEULA {
  type boolean;
  description
    "This object indicates whether the End User License Agreement
    needed for installing the licenses is accepted.
```

```
    true(1) - EULA is read and accepted
    false(2) - EULA is not accepted
```

```
    Management application should set this object to true(1) when
    installing licenses that need EULA acceptance.";
```

```
  smiv2:defval "false";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.21";
}
```

```
leaf clmgmtLicenseEULAFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
    "This object indicates the file where all the End User License
    Agreements (EULAs) need to be exported to. This object need to
    be set only if clmgmtLicenseAction is set to generateEULA(7) and
    the management application must set the value of this object to
    valid value before invoking action.";
  smiv2:defval "";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.2.1.22";
}
}
```

}

container clmgmtLicenseActionResultTable {

description

"This table contains results of license action if the license action involves multiple licenses. Entries in this table are not created for actions where there is only license that is subject of the action. For example, if there are 3 licenses in a license file when executing license install action, 3 entries will be created in this table, one for each license.";

smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3";

list clmgmtLicenseActionResultEntry {

key "clmgmtLicenseActionIndex clmgmtLicenseNumber";

description

"An entry in clmgmtLicenseActionResultTable. Each entry contains result of the action for a single license. These entries are created immediately after action execution when the action involves multiple licenses. These entries get automatically deleted when the corresponding entry in clmgmtLicenseActionTable is deleted.";

smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1";

leaf clmgmtLicenseActionIndex {

type leafref {

path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-mib:clmgmtLicenseActionTable/cisco-license-mgmt-mib:clmgmtLicenseActionResultEntry/cisco-license-mgmt-mib:clmgmtLicenseActionIndex";

}

}

leaf clmgmtLicenseNumber {

type uint32 {

range "1..4294967295";

}

description

"This object indicates the sequence number of this license in the list of licenses on which the action is executed.

For example, if there are 3 licenses in a license file when executing license install action, this object will have values 1, 2 and 3 respectively as ordered in the license file.";

smiv2:max-access "not-accessible";

smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.1";

}

```
leaf clmgmtLicenseIndivActionState {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionState;
  description
    "This object indicates the state of action on this
    individual license.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.2";
}
```

```
leaf clmgmtLicenseIndivActionFailCause {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionFailCause;
  description
    "This object indicates the reason for action failure on this
    individual license";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1.3.1.3";
}
```

```
}
```

```
container clmgmtLicenseStoreInfoTable {
  description
    "This table contains information about all the license
    stores allocated on the device.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1";
```

```
list clmgmtLicenseStoreInfoEntry {
  key "entPhysicalIndex clmgmtLicenseStoreIndex";
  description
    "An entry in clmgmtLicenseStoreInfoTable. Each entry
    contains information about a license store allocated
    on the device";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1";
```

```
leaf entPhysicalIndex {
  type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}
```

```
leaf clmgmtLicenseStoreIndex {
  type uint32 {
    range "1..4294967295";
  }
  description
    "This object uniquely identifies a license store within
```



```

    the device.";
    smiv2:max-access "not-accessible";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.1";
}

leaf clmgmtLicenseStoreName {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object indicates the name of the license store
  within the device. It is a file in device's local file
  system i.e., either on a local disk or flash or some
  other storage media. For example, the value of this
  object can be 'disk1:lic_store_1.txt' or
  'flash:lic_store_2.txt';
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.2";
}

leaf clmgmtLicenseStoreTotalSize {
  type uint32;
  units "bytes";
  description
  "This object indicates the total number of bytes that are
  allocated to the license store.";
  smiv2:max-access "read-only";
  smiv2:oid
"1.3.6.1.4.1.9.9.543.1.2.1.1.3";
}

leaf clmgmtLicenseStoreSizeRemaining {
  type uint32;
  units "bytes";
  description
  "This object indicates the number of bytes still remaining
  to be used for new license installations in the license
  store.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.1.1.4";
}
}
}

container clmgmtLicenseDeviceInfoTable {
  description
  "This table contains objects that provide licensing related
  information at the device level. Entries will exist

```

only for entities that support licensing. For example, if it is a stand alone device and supports licensing, then there will be only one entry in this table. If it is stackable switch then there will be multiple entries with one entry for each device in the stack.";  
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2";

```
list
clmgmtLicenseDeviceInfoEntry {
  key "entPhysicalIndex";
  description
    "An entry in clmgmtLicenseDeviceInfoTable. Each entry
    contains device level licensing information for a device.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2.1";

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtDefaultLicenseStore {
    type uint32 {
      range "1..4294967295";
    }
    description
      "This object indicates the clmgmtLicenseStoreIndex of
      default store in the device. There will be only one
      default license store per device. If no license store
      is specified during license install, this default license
      store will be used.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.2.1.1";
  }
}

container clmgmtLicenseInfoTable {
  description
    "This table contains information about all the licenses
    installed on the device.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3";

  list clmgmtLicenseInfoEntry {
    key "entPhysicalIndex clmgmtLicenseStoreUsed clmgmtLicenseIndex";
    description
      "An entry in clmgmtLicenseInfoTable. Each entry contains
```

information about a license installed on the device. This entry gets created when a license is installed successfully. Management application can not create these entries directly, but will do so indirectly by executing license install action. Some of these entries may already exist that correspond to demo licenses even before management application installs any licenses.";

```
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1";
```

```
leaf entPhysicalIndex {  
  type leafref {  
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-mib:entPhysicalIndex";  
  }  
}
```

```
leaf clmgmtLicenseStoreUsed {  
  type uint32 {  
    range "1..4294967295";  
  }  
  description  
    "This object represents the license store that is used for storing this license. This object will have the same value as clmgmtLicenseStoreIndex in clmgmtLicenseStoreInfoEntry of the license store used.";  
  smiv2:max-access "not-accessible";  
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.1";  
}
```

```
leaf clmgmtLicenseIndex {  
  type cisco-license-mgmt-mib:ClmgmtLicenseIndex;  
  description  
    "This object uniquely identifies a license within the device.";  
  smiv2:max-access "not-accessible";  
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.2";  
}
```

```
leaf clmgmtLicenseFeatureName {  
  type snmp-framework:SnmpAdminString  
{  
  length "0..128";  
}  
  description  
    "This object indicates the name of the feature that is using or can use this license. A license can be used by only one feature. Examples of feature name are: 'IPBASE', 'ADVIPSERVICE'.";
```

```
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.3";
}
```

```
leaf clmgmtLicenseFeatureVersion {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
    "This object indicates the version of the feature that is
    using or can use this license. Examples of feature version
    are: '1.0', '2.0'";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.4";
}
```

```
leaf clmgmtLicenseType {
  type enumeration {
    enum "demo" {
      value "1";
    }
    enum "extension"
  {
    value "2";
  }
    enum "gracePeriod" {
      value "3";
    }
    enum "permanent" {
      value "4";
    }
    enum "paidSubscription" {
      value "5";
    }
    enum "evaluationSubscription" {
      value "6";
    }
    enum "extensionSubscription" {
      value "7";
    }
    enum "evalRightToUse" {
      value "8";
    }
    enum "rightToUse" {
      value "9";
    }
    enum "permanentRightToUse" {
      value "10";
    }
  }
}
```

```

    }
  }
  description
    "This object identifies type of license. Licenses may have
    validity period defined in terms of time duration that the
    license is valid for or it may be defined in terms of actual
    calendar dates. Subscription licenses are licenses that have
    validity period
defined in terms of calendar dates.

demo(1)          - demo(evaluation license) license.
extension(2)     - Extension(expiring) license.
gracePeriod(3)  - Grace period license.
permanent(4)    - permanent license, the license has no
                  expiry date.
paidSubscription(5) - Paid subscription licenses are the
licenses
                  which are purchased by customers. These
                  licenses have a start date and end date
                  associated with them.
evaluationSubscription(6)-Evaluation subscription licenses are
the trial licenses. These licenses
are node locked and it can be obtained
only once for an UDI. They are valid

based on calendar days. These licenses
have a start date and an end date
associated with them and are issued
once per UDI.
extensionSubscription(7)- Extension subscription licenses are
similar to evaluation subscription
licenses but these licenses are issued
based on customer request. There are
no restrictions on the number of
licenses available for a UDI.
evalRightToUse(8) - Evaluation Right to use (RTU)
license.
rightToUse(9)    - Right to use (RTU) license.
permanentRightToUse(10) ? Right To Use license right after it is configured
and is valid for the lifetime of

the product.

This is a Right To Use license which is not in
evaluation mode for a limited time.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.5";
}

leaf clmgmtLicenseCounted {

```

```

type boolean;
description
  "This object indicates whether the license is counted
  license.
  true(1) - counted license
  false(2) - uncounted license";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.6";
}

```

```

leaf clmgmtLicenseValidityPeriod {
  type uint32;
  units "seconds";
  description
    "This object indicates the time period the license is valid for.
    This object is applicable only if clmgmtLicenseType is demo(1),
    or extension(2) or gracePeriod(3) or evalRightToUse(8). The
    object will return
    0 for other license types.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.7";
}

```

```

leaf clmgmtLicenseValidityPeriodRemaining {
  type uint32;
  units "seconds";
  description
    "This object indicates the time period remaining before the
    license expires or transitions to rightToUse(9) license. This
    object is applicable only if clmgmtLicenseType is demo(1), or
    extension(2) or gracePeriod(3) or evalRightToUse(8). The object
    will contain 0 for other license types.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.8";
}

```

```

leaf clmgmtLicenseExpiredPeriod {
  type uint32;
  units "seconds";
  description
    "This object indicates the elapsed time period since the license
    expired. This object is applicable only if clmgmtLicenseType
    is demo(1),
    or extension(2) or gracePeriod(3). Also, this
    value of this object will be valid only after the license
    expires. The object will return 0 for other license types
    or before the license expiry.";
  smiv2:max-access "read-only";
}

```

```

smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.9";
}

leaf clmgmtLicenseMaxUsageCount {
type uint32;
description
"This object indicates the maximum number of entities that
can use this license. This object is applicable only if
clmgmtLicenseCounted is true(1). The entity that is being
counted can be anything and it depends on the licensable
feature.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.10";
}

leaf clmgmtLicenseUsageCountRemaining {
type uint32;
description
"This object indicates the number of entities that can
still
use this license. This object is applicable only
if clmgmtLicenseCounted is true(1).";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.11";
}

leaf clmgmtLicenseEULAStatus {
type boolean;
description
"This object indicates whether the user accepted
End User License Agreement for this license.

true(1) - EULA accpeted
false(2) - EULA not accepted";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.12";
}

leaf clmgmtLicenseComments {
type snmp-framework:SnmpAdminString {
length "0..255";
}
description
"This object represents the user modifiable comments
about the license. This object is initially populated
with comments from the license file.";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.13";
}

```

```

}

leaf clmgmtLicenseStatus {
  type enumeration {
    enum "inactive" {
      value "1";
    }
    enum "notInUse" {
      value "2";
    }
    enum "inUse" {
      value "3";
    }
    enum "expiredInUse" {
      value "4";
    }
    enum "expiredNotInUse" {
      value "5";
    }
    enum "usageCountConsumed" {
      value "6";
    }
  }
  description
  "This object represents status of the license.

  inactive(1)      - license is installed, but
                    not active.
  notInUse(2)      - license is installed and
                    available for use.
  inUse(3)          - the license is being used (by
                    a feature).
  expiredInUse(4)
- license is expired but still
                    being held by the feature.
  expiredNotInUse(5) - license is expired and not being
                    held by any feature.
  usageCountConsumed(6) - number of entities using this
                    licenses has reached the allowed
                    limit, no new entities are allowed
                    to use this license.";
  smiv2:max-access "read-only";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.14";
}

```

```

leaf clmgmtLicenseStartDate {
  type snmpv2-tc:DateAndTime;
  description

```



"This object indicates the start date for a subscription license. It is optional for subscription licenses to have a start date associated with them, they may only have an end date associated with them. This object may be applicable only

```
when clmgmtLicenseType is paidSubscription(5),
    evaluationSubscription(6) or extensionSubscription (7).
    The object will contain an octet string of length 0 when it is
    not applicable.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.15";
}
```

```
leaf clmgmtLicenseEndDate {
    type snmpv2-tc:DateAndTime;
    description
        "This object indicates the end date for a subscription license.
        This object is applicable only when clmgmtLicenseType is
        paidSubscription(5), evaluationSubscription(6) or
        extensionSubscription (7). The object will contain an octet
        string of length 0 when it is not applicable.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.16";
}
```

```
leaf clmgmtLicensePeriodUsed {
    type uint32;
    units "seconds";
    description
        "This
object indicates the time period used for the
    Right to use (RTU) licenses. This object is applicable for all
    RTU licenses.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.3.1.17";
}
}
```

```
container clmgmtLicensableFeatureTable {
    description
        "This table contains list of licensable features in the
        image. All the licensable features will have an entry each
        in this table irrespective of whether they are using any
        licenses currently. Entries in this table are created by
        the agent one for each licensable feature in the image.
        These entries remain in the table permanently and can not
        be deleted. Management application can not create or delete
```

```

    entries from this table.";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4";

list clmgmtLicensableFeatureEntry {
    key "entPhysicalIndex clmgmtFeatureIndex";
    description
        "An entry
in clmgmtLicensableFeatureTable. Each entry represents
    a licensable feature.";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1";

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type uint32 {
            range "1..4294967295";
        }
        description
            "This object uniquely identifies a licensable feature in
            the device.";
smiv2:max-access "not-accessible";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.1";
    }

    leaf clmgmtFeatureName {
        type snmp-framework:SnmpAdminString {
            length "0..128";
        }
        description
            "This object indicates the name of the licensable feature
            in the device. Examples of feature names are: 'IPBASE',
            'ADVIPSERVICE'";
smiv2:max-access
"read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.2";
    }

    leaf clmgmtFeatureVersion {
        type snmp-framework:SnmpAdminString {
            length "0..32";
        }
        description
            "This object indicates the version of the licensable

```

```
feature in the device. Examples of feature versions
are: '1.0' or '2.0';
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.3";
}
```

```
leaf clmgmtFeatureValidityPeriodRemaining {
  type uint32;
  units "seconds";
  description
    "This object indicates the time period remaining before
    the feature's license expires or transitions. This object is
    applicable only if clmgmtLicenseType of the license used by
    this feature is demo(1), or extension(2) or gracePeriod(3) or
    evalRightToUse(8).
```

```
    The object will contain 0 if
other types of license is used
    or if the feature does not use any license. If the
    feature is using multiple licenses, this period will
    represent the cumulative period remaining from all the
    licenses used by this feature.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.4";
}
```

```
leaf clmgmtFeatureWhatIsCounted {
  type snmp-framework:SnmpAdminString {
    length "0..128";
  }
  description
    "This object represents the entity that is being counted
    by this feature. Examples of entities are IP Phones, number
    of sessions etc. This object is only applicable for
    features that use counting licenses. For other features,
    this object will return empty string.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.5";
}
```

```
leaf clmgmtFeatureStartDate {

type snmpv2-tc:DateAndTime;
  description
    "This object indicates the license start date of the feature.
    This object is applicable if at least one of the licenses used
    for this feature has a valid start date. The start date will
    be the earliest of the valid start dates of all the licenses
```

```

    used for this feature. If none of the licenses used for this
    feature have a valid start date then this object will contain an
    octet string of length 0.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.6";
}

```

```

leaf clmgmtFeatureEndDate {
    type snmpv2-tc:DateAndTime;
    description
        "This object indicates the license end date of the feature.
        This object is applicable if at least one of the licenses used
        for this feature has a valid end date. The end date will
        be the latest of the valid end dates

```

of all the licenses

```

    used for this feature. If none of the licenses used for this
    feature have a valid end date then this object will contain an
    octet string of length 0.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.7";
}

```

```

leaf clmgmtFeaturePeriodUsed {
    type uint32;
    units "seconds";
    description
        "This object indicates the license period used for the feature.";
    smiv2:max-access "read-only";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.2.4.1.8";
}
}
}

```

```

container clmgmtDevCredExportActionTable {

```

```

    description

```

```

        "A table for triggering device credentials export action.

```

```

        Management application must create this entry to trigger the
        export of device credentials from the device to a file.

```

```

        Once the request completes, the management application should
        retrieve the values of the objects

```

of interest, and then

```

        delete the entry. In order to prevent old entries from
        clogging the table, entries will be aged out, but an entry
        will never be deleted within 5 minutes of completion.";

```

```

    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2";

```

```

    list clmgmtDevCredExportActionEntry {

```

key "clmgmtDevCredExportActionIndex";

description

"An entry for each device credential export action that is being executed or was executed recently. The management application triggers the export by creating an entry in this table. This can be done in the following 2 methods

#### 1. CREATE-AND-GO method

Management application sets clmgmtDevCredExportActionStatus to createAndGo(4) and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If

the SET request fails, the entry will not be created.

#### 2. CREATE-AND-WAIT method

Management application sets clmgmtDevCredExportActionStatus to createAndWait(5) to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting clmgmtDevCredExportActionStatus to active(1).

To stop the action from being executed, the management application can delete the entry by setting clmgmtDevCredExportActionStatus to destroy(6) when clmgmtDevCredCommandState is pending(2).

The status of action execution can be known by querying

clmgmtDevCredCommandState. If the action is still in pending(2) or inProgress(3), the management application need to check back again after few seconds. Once the action completes and if status of the action is failed(6), the reason for failure can be retrieved from clmgmtDevCredCommandFailCause.

Entry can be deleted except when clmgmtLicenseAction is set to inProgress(3). All entries in this table are volatile and are cleared on agent reset.";

smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1";

```
leaf clmgmtDevCredExportActionIndex {
```

```
  type uint32 {
```

```
    range "1..4294967295";
```

```
  }
```

```
  description
```

"This object uniquely identifies a row in clmgmtDevCredExportActionTable. The management application chooses this value by reading clmgmtNextFreeDevCredExportActionIndex while creating an entry in this table.

If an entry already exists with this

index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeDevCredExportActionIndex again and retry with the new value for this object.";

```
smiv2:max-access "not-accessible";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.1";
}
```

```
leaf clmgmtDevCredEntPhysicalIndex {
```

```
  type entity-mib:PhysicalIndexOrZero;
```

```
  description
```

"This object represents the entPhysicalIndex of the device for which the device credentials are being retrieved. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the manager. Examples include stackable switches, devices with router processor and line cards.

Note: This object need not be set if it is a stand alone device";

```
smiv2:defval "0";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.2";
}
```

```
leaf clmgmtDevCredTransferProtocol {
```

```
  type cisco-license-mgmt-mib:ClmgmtLicenseTransferProtocol;
```

```
  description
```

"This object indicates the transfer protocol to be used when copying files as specified in the following objects.

1. clmgmtDevCredExportFile

.";

```
smiv2:defval "none";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.3";
}
```

```
leaf clmgmtDevCredServerAddressType {
```

```
  type inet-address:InetAddressType;
```

```
  description
```

"This object indicates the transport type of the

```
address contained in clmgmtDevCredServerAddress object.  
This must be set when clmgmtDevCredTransferProtocol  
is not none(1) or local(2).";  
smiv2:defval "unknown";  
smiv2:max-access "read-write";  
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.4";  
}
```

```
leaf clmgmtDevCredServerAddress {  
  type inet-address:InetAddress;  
  description  
    "This object indicates the the ip address of the server  
    from which the files must be read or written to if  
    clmgmtDevCredTransferProtocol is not none(1) or local(2).
```

All bits as 0s or 1s for clmgmtDevCredServerAddress are not allowed.

```
The format of this address depends on the value of the  
clmgmtDevCredServerAddressType object";  
smiv2:defval "";  
smiv2:max-access "read-write";  
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.5";  
}
```

```
leaf clmgmtDevCredServerUsername {  
  type snmp-framework:SnmpAdminString {  
    length "0..96";  
  }  
}
```

```
description  
  "This object indicates the remote user name for accessing  
  files via ftp, rcp, sftp or scp protocols. This object  
  must be set when the clmgmtDevCredTransferProtocol is  
  ftp(4), rcp(5), scp(7) or sftp(8). If  
  clmgmtDevCredTransferProtocol is rcp(5), the remote  
  username is sent as the server username in an rcp command  
  request sent by the system to a remote rcp server.";  
smiv2:defval "";  
smiv2:max-access "read-write";  
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.6";  
}
```

```
leaf clmgmtDevCredServerPassword {  
  type snmp-framework:SnmpAdminString {  
    length "0..96";  
  }  
  description
```

```

    "This object indicates the password used by ftp, sftp or
    scp for copying a file to/from an ftp/sftp/scp server.
    This object must be set when the
    clmgmtDevCredTransferProtocol is ftp(4) or scp(7) or
    sftp(8). Reading it returns a zero-length string for
    security reasons.";
    smiv2:defval "";
    smiv2:max-access "read-write";
    smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.7";
}

```

```

leaf clmgmtDevCredExportFile {
  type snmp-framework:SnmpAdminString {
    length "0..255";
  }
  description
  "This object represents file where device credentials needs
  to be exported to.";
  smiv2:max-access "read-write";
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.8";
}

```

```

leaf clmgmtDevCredCommand {
  type enumeration {
    enum "noOp" {
      value "1";
    }
    enum "getDeviceCredentials" {
      value "2";
    }
  }
  description
  "This object indicates the the command to be executed.

```

Command	Remarks
-----	
-----	
noOp(1)	No operation will be performed.
getDeviceCredentials(2)	Exports device credentials";

```

smiv2:defval "noOp";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.9";
}

```

```

leaf clmgmtDevCredCommandState {
  type cisco-license-mgmt-mib:ClmgmtLicenseActionState;

```



```

description
  "This object indicates the state of the action that is
  executed as a result of setting clmgmtDevCredRowStatus
  to active(1).";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.10";
}

```

```

leaf clmgmtDevCredCommandFailCause {
  type enumeration {
    enum "none" {
      value "1";
    }
    enum "unknownError" {
      value "2";
    }
    enum "transferProtocolNotSupported"
  {
    value "3";
  }
    enum "fileServerNotReachable" {
      value "4";
    }
    enum "unrecognizedEntPhysicalIndex" {
      value "5";
    }
    enum "invalidFile" {
      value "6";
    }
  }
}

```

description  
 "This object indicates the the reason for device  
 credentials export operation failure.

The value of this object is valid only when  
 clmgmtDevCredCommandState is failed(6).

none(1) - action execution has not started yet.

If the action is completed and the  
 action is successful, then also  
 none(1) is returned to indicate that  
 there are no errors.

unknownError(2) - reason for failure is unknown,  
 operation failed, no

operation is

performed

transferProtocolNotSupported(3) - clmgmtDevCredTransferProtocol  
 given is not supported.

```

fileServerNotReachable(4) - file server is not reachable.
unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not
    valid
invalidFile(6) - The target file specified is not valid.";
smiv2:max-access "read-only";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.11";
}

leaf clmgmtDevCredStorageType {
type snmpv2-tc:StorageType;
description
"This object indicates the storage type for this conceptual
row. Conceptual rows having the value 'permanent' need not
allow write-access to any columnar objects in the row.";
smiv2:defval "volatile";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.12";
}

leaf clmgmtDevCredRowStatus {
type snmpv2-tc:RowStatus;
description
"This object indicates the the status of this table entry.
Once the entry status is set to active(1), the associated
entry cannot be modified until the action completes
(clmgmtDevCredCommandStatus is set to a value
other than inProgress(3)). Once the action completes
the only operation possible after this is to delete
the row.

clmgmtDevCredExportFile is a mandatory object to be
set when creating this entry.";
smiv2:max-access "read-write";
smiv2:oid "1.3.6.1.4.1.9.9.543.1.3.2.1.13";
}
}
}
}

notification clmgmtLicenseExpired {
description
"This notification is sent, when a feature license
expires. This notification will be sent continuously
every week even after the expiry to alert the
management
application.";
smiv2:oid "1.3.6.1.4.1.9.9.543.0.1";
}

```

```

container object-1 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
        }
    }

    leaf clmgmtFeatureName {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
        }
    }
}

container object-2 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
        }
    }

    leaf clmgmtFeatureVersion {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
        }
    }
}

```

```
}  
}  
}  
}
```

```
notification clmgmtLicenseExpiryWarning {  
  description  
    "This notification is sent when a license is about to  
    expire. This notification will go out multiple times.  
    First notification goes out when expiry day is 4 weeks  
    ahead, second notification when expiry day is 3 weeks  
    ahead, third notification  
    when expiry day is 2 weeks  
    ahead. This notification will go out daily in the  
    last week of license expiry.";  
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.2";
```

```
  container object-1 {
```

```
    leaf entPhysicalIndex {  
      type leafref {  
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-  
mib:entPhysicalIndex";  
      }  
    }
```

```
    leaf clmgmtFeatureIndex {  
      type leafref {  
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-  
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-  
mib:clmgmtFeatureIndex";  
      }  
    }
```

```
    leaf clmgmtFeatureName {  
      type leafref {  
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-  
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-  
mib:clmgmtFeatureName";  
      }  
    }
```

```
  container object-2 {
```

```
    leaf entPhysicalIndex {  
      type leafref {
```

```

    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}

leaf clmgmtFeatureIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
  }
}

leaf clmgmtFeatureVersion {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
  }
}
}

container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureValidityPeriodRemaining {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureValidityPeriodRemaining";
    }
  }
}
}

```

```

}

notification clmgmtLicenseUsageCountExceeded {
  description
    "This notification is sent when clmgmtLicenseUsageCountRemaining
    has reached clmgmtLicenseMaxUsageCount for a counting license.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.3";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf clmgmtLicenseStoreUsed {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
      }
    }

    leaf clmgmtLicenseIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
      }
    }

    leaf clmgmtLicenseFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
      }
    }
  }

  container object-2 {

    leaf entPhysicalIndex {
      type leafref
    }
  }

```

```

mib:entPhysicalIndex";
    }
}

leaf clmgmtLicenseStoreUsed {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
}

leaf clmgmtLicenseIndex {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
}

leaf clmgmtLicenseFeatureVersion {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureVersion";
    }
}
}

container object-3 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
        }
    }

    leaf clmgmtLicenseIndex {

```

```

    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseMaxUsageCount {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseMaxUsageCount";
    }
  }
}

container object-4 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureWhatIsCounted {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureWhatIsCounted";
    }
  }
}

container object-5 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";

```



```

    }
}

leaf clmgmtLicenseStoreUsed {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
  }
}

leaf clmgmtLicenseComments {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
  }
}
}

notification clmgmtLicenseUsageCountAboutToExceed
{
  description
  "This notification is sent when clmgmtLicenseUsageCountRemaining
  has reached 80% of clmgmtLicenseMaxUsageCount for a counting
  license. This is a warning notification to the management
  application that very soon the maximum count will be reached
  and after that the device will not allow new entities to
  make use of this license.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.4";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }
  }
}

```

```

leaf clmgmtLicenseStoreUsed {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
  }
}

leaf clmgmtLicenseIndex {
  type leafref {

    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
  }
}

leaf clmgmtLicenseFeatureName {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-

```

```

mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
}

    leaf clmgmtLicenseFeatureVersion {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureVersion";
    }
}

container object-3 {

    leaf entPhysicalIndex {
    type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
}

    leaf clmgmtLicenseStoreUsed {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
}

    leaf clmgmtLicenseIndex {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
}

    leaf clmgmtLicenseMaxUsageCount {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseMaxUsageCount";
    }
}
}

```

```

container object-4 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
        }
    }

    leaf clmgmtLicenseUsageCountRemaining {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseUsageCountRemaining";
        }
    }
}

container object-5 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtFeatureIndex {
        type leafref
    {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-

```

```

mib:clmgmtFeatureIndex";
    }
}

leaf clmgmtFeatureWhatIsCounted {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureWhatIsCounted";
    }
}

container object-6 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf clmgmtLicenseStoreUsed {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
        }
    }

    leaf clmgmtLicenseIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
        }
    }

    leaf clmgmtLicenseComments {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
        }
    }
}

```

```

notification clmgmtLicenseInstalled {
  description
    "This notification is sent when a license is installed
    successfully.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.5";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";

      }
    }

    leaf clmgmtLicenseStoreUsed {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
      }
    }

    leaf clmgmtLicenseIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
      }
    }

    leaf clmgmtLicenseFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
      }
    }
  }

  container object-2 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";

```

```

    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseFeatureVersion {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureVersion";
    }
  }
}

container object-3 {

  leaf entPhysicalIndex {
    type
  leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {

```

```
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
  }
}
```

```
leaf clmgmtLicenseType {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseType";
  }
}
```

```
container
object-4 {
```

```
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
```

```
  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }
```

```
  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }
```

```
  leaf clmgmtLicenseComments {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
    }
  }
```



```

}
}

notification clmgmtLicenseCleared {
  description
    "This notification is sent when a license is cleared
    successfully.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.6";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf clmgmtLicenseStoreUsed {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
      }
    }

    leaf clmgmtLicenseIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
      }
    }

    leaf clmgmtLicenseFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
      }
    }
  }

  container object-2 {

    leaf entPhysicalIndex {
      type leafref {

```

```
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}
```

```
leaf clmgmtLicenseStoreUsed {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
  }
}
```

```
leaf clmgmtLicenseIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
  }
}
```

```
leaf clmgmtLicenseFeatureVersion {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureVersion";
  }
}
}
```

```
container object-3 {
```

```
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
}
```

```
  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }
}
```

```
  leaf clmgmtLicenseIndex {
```

```

    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseType {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseType";
    }
  }
}

container object-4 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }

  leaf clmgmtLicenseIndex {
    type leafref {
      path
"/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }

  leaf clmgmtLicenseComments {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
    }
  }
}

```

```

    }
  }
}

notification clmgmtLicenseRevoked {
  description
    "This notification is sent when a license is revoked
    successfully.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.7";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf clmgmtLicenseStoreUsed {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
      }
    }

    leaf clmgmtLicenseIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
      }
    }

    leaf clmgmtLicenseFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureName";
      }
    }
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {

```

```

    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}

leaf clmgmtLicenseStoreUsed {

  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
  }
}

leaf clmgmtLicenseIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
  }
}

leaf clmgmtLicenseFeatureVersion {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseFeatureVersion";
  }
}
}

container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }
}

```

```
leaf clmgmtLicenseIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
  }
}
```

```
leaf clmgmtLicenseType {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseType";
  }
}
```

```
container object-4 {
```

```
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
```

```
  leaf clmgmtLicenseStoreUsed {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseStoreUsed";
    }
  }
```

```
  leaf clmgmtLicenseIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseIndex";
    }
  }
```

```
  leaf clmgmtLicenseComments {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicenseInfoTable/cisco-license-mgmt-mib:clmgmtLicenseInfoEntry/cisco-license-mgmt-
mib:clmgmtLicenseComments";
    }
  }
```

```

    }
  }
}

notification clmgmtLicenseEULAAccepted {
  description
    "This
notification is sent when a user accepts End User
License Agreement (EULA) for a license.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.8";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf clmgmtFeatureIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
      }
    }

    leaf clmgmtFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
      }
    }
  }
}

container object-2 {

  leaf entPhysicalIndex {

    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {

```

```

    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
    }
  }
}

notification clmgmtLicenseNotEnforced {
  description
    "This notification is sent when a license does not
    exist for a feature, but the feature is a mandatory
    feature and it should run. This notification will be
    sent out periodically
to indicate that there is no
    license installed for this feature and it needs to
    be done as soon as possible.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.9";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf clmgmtFeatureIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
      }
    }

    leaf clmgmtFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-

```



```

mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
    }
  }
}

container object-2 {

  leaf
entPhysicalIndex {
  type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}

  leaf clmgmtFeatureIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
  }
}

  leaf clmgmtFeatureVersion {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
  }
}
}

notification clmgmtLicenseSubscriptionExpiryWarning {
  description
  "This notification is sent when a subscription license of a
  feature is about to expire. This notification will be sent as
  per the following
  schedule:
  Once a week for the last eight weeks
  Once a day for the last week
  Once a hour for the last day";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.10";

  container object-1 {

    leaf entPhysicalIndex {

```

```

    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
    }
  }
}

container object-2 {

  leaf
entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
    }
  }
}

```

```

}

container object-3 {

    leaf entPhysicalIndex {
        type leafref {
            path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
        }
    }

    leaf
clmgmtFeatureIndex {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
        }
    }

    leaf clmgmtFeatureEndDate {
        type leafref {
            path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureEndDate";
        }
    }
}

notification clmgmtLicenseSubscriptionExtExpiryWarning {
    description
    "This notification is sent when the subscription license end
    date of a feature is reached but extension period is left. This
    notification will be sent once a day after the license end date
    is reached.";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.11";

    container object-1 {

        leaf entPhysicalIndex {
            type leafref {
                path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
            }
        }

        leaf clmgmtFeatureIndex {

```

```

    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureName {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
    }
  }
}

container object-2 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {

      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureVersion {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
    }
  }
}

container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-

```

```

mib:entPhysicalIndex";
    }
}

leaf clmgmtFeatureIndex {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
}

leaf clmgmtFeatureEndDate {
    type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureEndDate";
    }
}
}

notification clmgmtLicenseSubscriptionExpired {
    description
    "This notification will be sent after a subscription license
of a feature completely expires. It will be sent once a day
after the license has completely expired";
    smiv2:oid "1.3.6.1.4.1.9.9.543.0.12";

    container object-1 {

        leaf entPhysicalIndex {
            type leafref {
                path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
            }
        }

        leaf clmgmtFeatureIndex {
            type leafref {
                path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
            }
        }

        leaf clmgmtFeatureName {
            type leafref {

```

```
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
  }
}
```

```
container object-2 {
```

```
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
```

```
  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }
```

```
  leaf clmgmtFeatureVersion {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
    }
  }
}
```

```
container object-3 {
```

```
  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }
```

```
  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }
```

```

}

leaf clmgmtFeatureEndDate {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureEndDate";

  }
}

notification clmgmtLicenseEvalRTUTransitionWarning {
  description
  "This notification is sent when Evaluation to Right to use (RTU)
  license transition is about to happen. The first notification
  will be sent 10 days before the transition and second
  notification will be sent 5 days before the transition.";
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.13";

  container object-1 {

    leaf entPhysicalIndex {
      type leafref {
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
      }
    }

    leaf clmgmtFeatureIndex {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
      }
    }

    leaf clmgmtFeatureName {
      type leafref {
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureName";
      }
    }

    container object-2 {

```

```

leaf entPhysicalIndex {
  type leafref {
    path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
  }
}

leaf clmgmtFeatureIndex {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
  }
}

leaf clmgmtFeatureVersion {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
  }
}

container object-3 {

  leaf entPhysicalIndex {
    type leafref {
      path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-
mib:entPhysicalIndex";
    }
  }

  leaf clmgmtFeatureIndex {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
    }
  }

  leaf clmgmtFeatureValidityPeriodRemaining {
    type leafref {
      path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureValidityPeriodRemaining";
    }
  }
}

```



```
}  
}  
}
```

```
notification clmgmtLicenseEvalRTUTransition {
```

```
  description
```

```
    "This notification is sent, when a feature license transitions  
    from a evaluation to a
```

```
Right to use (RTU) license.";
```

```
  smiv2:oid "1.3.6.1.4.1.9.9.543.0.14";
```

```
  container object-1 {
```

```
    leaf entPhysicalIndex {
```

```
      type leafref {
```

```
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-  
mib:entPhysicalIndex";
```

```
      }
```

```
    }
```

```
    leaf clmgmtFeatureIndex {
```

```
      type leafref {
```

```
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-  
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-  
mib:clmgmtFeatureIndex";
```

```
      }
```

```
    }
```

```
    leaf clmgmtFeatureName {
```

```
      type leafref {
```

```
        path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-  
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-  
mib:clmgmtFeatureName";
```

```
      }
```

```
    }
```

```
  }
```

```
  container object-2 {
```

```
    leaf entPhysicalIndex {
```

```
      type leafref {
```

```
        path "/entity-mib:ENTITY-MIB/entity-mib:entPhysicalTable/entity-mib:entPhysicalEntry/entity-  
mib:entPhysicalIndex";
```

```
      }
```

```
    }
```

```
    leaf clmgmtFeatureIndex {
```

```
      type leafref {
```

```

    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureIndex";
  }
}

leaf clmgmtFeatureVersion {
  type leafref {
    path "/cisco-license-mgmt-mib:CISCO-LICENSE-MGMT-MIB/cisco-license-mgmt-
mib:clmgmtLicensableFeatureTable/cisco-license-mgmt-mib:clmgmtLicensableFeatureEntry/cisco-license-mgmt-
mib:clmgmtFeatureVersion";
  }
}

smiv2:alias "ciscoLicenseMgmtMIB" {
  smiv2:oid "1.3.6.1.4.1.9.9.543";
}

smiv2:alias "ciscoLicenseMgmtMIBNotifs" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.0";
}

smiv2:alias "ciscoLicenseMgmtMIBObjects" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1";
}

smiv2:alias "clmgmtLicenseConfiguration" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.1";
}

smiv2:alias "clmgmtLicenseInformation" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.2";
}

smiv2:alias "clmgmtLicenseDeviceInformation" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.3";
}

smiv2:alias "clmgmtLicenseNotifObjects" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.1.4";
}

smiv2:alias "ciscoLicenseMgmtMIBConform" {
  smiv2:oid "1.3.6.1.4.1.9.9.543.2";
}

```

```

smiv2:alias "ciscoLicenseMgmtCompliances" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.2.1";
}

smiv2:alias "ciscoLicenseMgmtGroups" {
    smiv2:oid "1.3.6.1.4.1.9.9.543.2.2";
}

}

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// limitations under the License.
-- *****
-- CISCO-IMAGE-LICENSE-MGMT-MIB.my: Cisco MIB to manage image level on
-- Cisco devices.
--
-- August 2007, Ganesan Rajam
--
-- Copyright (c) 2006-2007 by Cisco Systems Inc.
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--
-- *****

```

CISCO-IMAGE-LICENSE-MGMT-MIB DEFINITIONS ::= BEGIN

```

IMPORTS
    OBJECT-TYPE,
    MODULE-IDENTITY,
    Unsigned32,
    NOTIFICATION-TYPE
        FROM SNMPv2-SMI
    MODULE-COMPLIANCE,
    OBJECT-GROUP,
    NOTIFICATION-GROUP
        FROM SNMPv2-CONF
    TEXTUAL-CONVENTION,
    TruthValue
        FROM SNMPv2-TC

```

SnmpAdminString  
FROM SNMP-FRAMEWORK-MIB  
entPhysicalIndex  
FROM ENTITY-MIB  
ciscoMgmt  
FROM CISCO-SMI;

ciscoImageLicenseMgmtMIB MODULE-IDENTITY  
LAST-UPDATED "200710160000Z"  
ORGANIZATION "Cisco Systems Inc."  
CONTACT-INFO  
"Cisco Systems  
Customer Service

Postal: 170 W Tasman Drive  
San Jose, CA 95134  
USA  
Tel: +1 800 553 -NETS  
E-mail: cs-snmp@cisco.com"

#### DESCRIPTION

"The MIB module for managing the running image level of a Cisco device. Cisco's licensing mechanism provides flexibility to run a device on a chosen image level. This mechanism is referred to as image level licensing. Image level licensing leverages the universal image based licensing solution.

The image level licensing mechanism works as follows -

A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems. The user can configure the image level with which the device has to boot. The system will verify whether the appropriate license is available for

the configured image

level. The image level for the next boot will be determined based on the availability of the license. The following scenarios explain some use-cases of image level licensing:

Scenario 1:

- Customer selects advsecurityk9 based image.
- Manufacturing installs advsecurity license on the device.
- This device will run all features that are part of the base advsecurity license.
- Customer upgrades to advservicesk9 license.

- The next boot level is set to advipservicesk9.
- The device will run advsecurityk9 feature until the next reboot. After reboot the device will run advipservicesk9 features.

Scenario 2:

- Customer selects advipservicesk9 based image.
- Manufacturing installs advipservices and advsecurity license on the device.
- This device will run all features that are part of the base advipservices license.
- No upgrades available for advipservices license.

The user has to accept the End User License Agreement(EULA) before using this MIB to configure the image level.

This MIB should be used in conjunction with CISCO-LICENSE-MGMT-MIB module to achieve the image level licensing functionality.

This MIB module defines objects which provides the different image levels supported by the device and the license required to enable a particular image level. It also defines objects to let the user configure the required image level. The MIB module contains notification which will be triggered when the user changes the image level for next boot.

The CISCO-LICENSE-MGMT-MIB module should be used to export the EULA and to configure the required license.

This MIB module is defined generically so it can be used for both stand-alone as well as stackable devices. The

entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely."

REVISION "200710160000Z"

DESCRIPTION

"Initial version of this MIB module."

::= { ciscoMgmt 640 }

ciscoImageLicenseMgmtMIBNotifs OBJECT IDENTIFIER

::= { ciscoImageLicenseMgmtMIB 0 }

ciscoImageLicenseMgmtMIBObjects OBJECT IDENTIFIER

::= { ciscoImageLicenseMgmtMIB 1 }

ciscoImageLicenseMgmtMIBConform OBJECT IDENTIFIER

::= { ciscoImageLicenseMgmtMIB 2 }

BootImageLevel ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"This textual convention is used to define the image level.

If the device is running at advipservices image level, then the boot image level will be 'advipservices'."

SYNTAX OCTET STRING (SIZE (0..255))

LicenseNameList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"This textual convention is used to define the list of license names.

If multiple licenses are present then this string will contain all the licenses separated by the ',' character.

If the license required to run a device at advipservices image level is advipservices and advsecurity, then the license name list will be 'advipservices,advsecurity'."

SYNTAX OCTET STRING (SIZE (0..255))

-- Table for executing license management actions.

cilmBootImageLevelTable OBJECT-TYPE

SYNTAX SEQUENCE OF CilmBootImageLevelEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A table that contains the configuration information of current and next boot image level. This table contains entries for each software module running in an image loaded in the device. The software module is identified by cilmModuleName and the device is identified by entPhysicalIndex."

::= { ciscoImageLicenseMgmtMIBObjects 1 }

cilmBootImageLevelEntry

OBJECT-TYPE

SYNTAX CilmBootImageLevelEntry

MAX-ACCESS not-accessible

STATUS current

## DESCRIPTION

"An entry in the table for each module containing the list of objects that define the configuration of next boot level. The following information is specified by the objects present in the table.

- Current image level.
- Configured image level for the next boot.
- Actual image level for the next boot.
- License store index for the current license.
- License index of the current license.
- License store index for the next boot license.
- License index of the next boot license."

```
INDEX      {
            entPhysicalIndex,
            cilmModuleName
          }
 ::= { cilmBootImageLevelTable 1 }
```

```
CilmBootImageLevelEntry ::= SEQUENCE {
    cilmModuleName          SnmpAdminString,
    cilmCurrentImageLevel  BootImageLevel,
    cilmConfiguredBootImageLevel  BootImageLevel,
    cilmNextBootImageLevel  BootImageLevel,
    cilmCurrentLicenseStoreIndex  Unsigned32,
    cilmCurrentLicenseIndex   Unsigned32,
    cilmNextBootLicenseStoreIndex Unsigned32,
    cilmNextBootLicenseIndex   Unsigned32
}
```

cilmModuleName OBJECT-TYPE

```
SYNTAX      SnmpAdminString
MAX-ACCESS  not-accessible
STATUS      current
```

## DESCRIPTION

"This object is used as one of the two indices in cilmBootImageLevelTable. This object indicates the module name of the software package. There can be multiple modules in an image performing specific functionality.

For example, in a wireless image there can be two modules

- a base image module and a wireless module."

```
::= { cilmBootImageLevelEntry 1 }
```

cilmCurrentImageLevel OBJECT-TYPE

```
SYNTAX      BootImageLevel
MAX-ACCESS  read-only
STATUS
```

current

DESCRIPTION

"This object indicates the current image level that the module is running."

::= { cilmBootImageLevelEntry 2 }

cilmConfiguredBootImageLevel OBJECT-TYPE

SYNTAX BootImageLevel

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object indicates the configured image level of the module for the next boot.

Note: The configured next boot image level may not be the actual next boot image level. The actual next boot image level is denoted by cilmNextBootImageLevel which is determined based on the license availability."

::= { cilmBootImageLevelEntry 3 }

cilmNextBootImageLevel OBJECT-TYPE

SYNTAX BootImageLevel

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the next boot image level. The next boot image level can be different from configured level. The next boot

image level is determined based on the availability of required license."

::= { cilmBootImageLevelEntry 4 }

cilmCurrentLicenseStoreIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license store index where the currently used license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license store index can be '0' if no license is installed and device is running base image."

::= { cilmBootImageLevelEntry 5 }

cilmCurrentLicenseIndex OBJECT-TYPE



SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license index of the currently used license. This object has the same value as clmgmtLicenseIndex and

uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license index can be '0' if no license is installed and device is running base image."

::= { cilmBootImageLevelEntry 6 }

cilmNextBootLicenseStoreIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license store index where the next boot license is stored. This object has the same value as clmgmtLicenseStoreIndex object and uniquely identifies an entry in clmgmtLicenseStoreInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license store index can be '0' if no license is installed for the next boot."

::= { cilmBootImageLevelEntry 7 }

cilmNextBootLicenseIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license index of the next boot license. This object has the same value as clmgmtLicenseIndex and uniquely identifies an entry in clmgmtLicenseInfoTable in CISCO-LICENSE-MGMT-MIB.

Note: The license index can be '0' if no license is installed for the next boot."

::= { cilmBootImageLevelEntry 8 }

cilmImageLevelToLicenseMapTable OBJECT-TYPE

SYNTAX SEQUENCE OF CilmImageLevelToLicenseMapEntry

MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION  
"This table contains the mapping between different image levels of each modules in the image and the license required to run the modules at a particular image level. This table can be used to identify the different image levels and the appropriate licenses required for each."  
 ::= { ciscoImageLicenseMgmtMIBObjects 2 }

cilmImageLevelToLicenseMapEntry OBJECT-TYPE  
SYNTAX CilmImageLevelToLicenseMapEntry  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION  
"An entry in the table containing the following information.  
- The image levels at the which the modules can be run.  
- The license required to the run a module at a particular image level.  
- The priority of the license."  
INDEX {  
entPhysicalIndex,  
cilmModuleName,  
cilmImageLicenseMapIndex  
}  
 ::= { cilmImageLevelToLicenseMapTable 1 }

CilmImageLevelToLicenseMapEntry ::= SEQUENCE {  
cilmImageLicenseMapIndex Unsigned32,  
cilmImageLicenseImageLevel BootImageLevel,  
cilmImageLicenseName LicenseNameList,  
cilmImageLicensePriority Unsigned32  
}

cilmImageLicenseMapIndex OBJECT-TYPE  
SYNTAX Unsigned32  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION  
"This is a running index used to identify an entry of this table."  
 ::= { cilmImageLevelToLicenseMapEntry 1 }

cilmImageLicenseImageLevel OBJECT-TYPE  
SYNTAX BootImageLevel

MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"This object indicates the image level at which a module can be run. A module can be run at different image levels. An entry will be created in this table for every module and image level combination."  
::= { cilmImageLevelToLicenseMapEntry 2 }

cilmImageLicenseName OBJECT-TYPE  
SYNTAX LicenseNameList  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"This object indicates the list of licenses needed to be installed for the module to run at the image level mentioned by cilmImageLicenseImageLevel object of this entry."  
::= { cilmImageLevelToLicenseMapEntry 3 }

cilmImageLicensePriority OBJECT-TYPE  
SYNTAX Unsigned32  
(1..255)  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"This object indicates the priority of the image level mentioned by cilmImageLicenseImageLevel object of this entry. The image level with the highest priority license will be considered as the default level in the absence of next boot image level configuration. For example if there are three licenses l1, l2 and l3 in the ascending order of priority, then by default l1 will be the level at which the module will be running. If the next boot level is configured then the configuration will override the priority. The highest priority license supports a feature set which is a super set of all other licenses."  
::= { cilmImageLevelToLicenseMapEntry 4 }

-- Global Objects

cilmEULAAccepted OBJECT-TYPE  
SYNTAX TruthValue  
MAX-ACCESS read-write  
STATUS current

## DESCRIPTION

"This object when set to TRUE means that the user has accepted the END USER LICENSE AGREEMENT. This object has to be set to TRUE by the user before using the objects in the cilmBootImageLevelTable to configure the license."

DEFVAL { false }

::= { ciscoImageLicenseMgmtMIBObjects 3 }

-- Notification control

cilmNotifCntl OBJECT IDENTIFIER

::= { ciscoImageLicenseMgmtMIBObjects 4 }

cilmImageLevelChangedNotif OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"Specify whether or not a notification should be generated on the detection of change in next boot image level.

If set to TRUE, cilmBootImageLevelChanged notification will be generated. It is the responsibility of the management entity to ensure that the SNMP administrative model is configured in such a way as to allow the notification to be delivered."

REFERENCE

"See also RFC3413 for explanation that notifications are under the ultimate control of the MIB module in this document."

DEFVAL { false }

::= { cilmNotifCntl 1 }

-- Notifications

cilmBootImageLevelChanged NOTIFICATION-TYPE

OBJECTS {  
    cilmCurrentImageLevel,  
    cilmConfiguredBootImageLevel  
}

STATUS current

DESCRIPTION

"This notification is triggered when next boot image level is changed in the management entity. The current and configured image level are indicated by cilmCurrentImageLevel

```

        and cilmConfiguredBootImageLevel objects respectively."
 ::= { ciscoImageLicenseMgmtMIBNotifs 1 }
-- Conformance

cilmModuleCompliances OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIBConform 1 }

cilmModuleGroups OBJECT IDENTIFIER
 ::= { ciscoImageLicenseMgmtMIBConform 2 }

cilmModuleCompliance MODULE-COMPLIANCE
  STATUS      current
  DESCRIPTION
    "Compliance statement for Cisco Image level license mgmt MIB."
  MODULE      -- this module
  MANDATORY-GROUPS {
    cilmAdminGroup,
    cilmNotifGroup
  }

  GROUP      cilmOperGroup
  DESCRIPTION
    "This group is mandatory for all devices where
    multiple license are supported."
 ::= { cilmModuleCompliances 1 }

-- Units of Conformance

cilmAdminGroup OBJECT-GROUP
  OBJECTS      {
    cilmCurrentImageLevel,
    cilmConfiguredBootImageLevel,
    cilmNextBootImageLevel,
    cilmCurrentLicenseStoreIndex,
    cilmCurrentLicenseIndex,
    cilmNextBootLicenseStoreIndex,
    cilmNextBootLicenseIndex,
    cilmEULAAccepted,
    cilmImageLevelChangedNotif
  }
  STATUS      current
  DESCRIPTION
    "Objects for performing license set operation for setting
    next boot level."
 ::= { cilmModuleGroups 1 }

```

```

cilmOperGroup OBJECT-GROUP
  OBJECTS      {
    cilmImageLicenseImageLevel,
    cilmImageLicenseName,
    cilmImageLicensePriority
  }
  STATUS      current
  DESCRIPTION
    "Objects for getting current image level configuration data."
  ::= { cilmModuleGroups 2 }

cilmNotifGroup NOTIFICATION-GROUP
  NOTIFICATIONS { cilmBootImageLevelChanged }
  STATUS      current
  DESCRIPTION
    "Objects for getting current image level configuration data."
  ::= { cilmModuleGroups 3 }

END
-- *****
-- CISCO-LICENSE-MGMT-MIB.my: Cisco MIB to manage licenses on
-- Cisco devices
--
-- July 2006, Sunil Gudurvalmiki
--
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-- *****

CISCO-LICENSE-MGMT-MIB DEFINITIONS ::= BEGIN

IMPORTS
  OBJECT-TYPE,
  MODULE-IDENTITY,
  Unsigned32,
  NOTIFICATION-TYPE
    FROM SNMPv2-SMI
  MODULE-COMPLIANCE,
  OBJECT-GROUP,
  NOTIFICATION-GROUP
    FROM SNMPv2-CONF
  TEXTUAL-CONVENTION,
  TruthValue,
  RowStatus,
  StorageType,
  DateAndTime
    FROM SNMPv2-TC

```

SnmpAdminString  
FROM SNMP-FRAMEWORK-MIB  
entPhysicalIndex,  
PhysicalIndexOrZero  
FROM ENTITY-MIB  
InetAddressType,  
InetAddress  
FROM INET-ADDRESS-MIB  
ciscoMgmt  
FROM CISCO-SMI;

ciscoLicenseMgmtMIB MODULE-IDENTITY

LAST-UPDATED "201204190000Z"  
ORGANIZATION "Cisco Systems Inc."  
CONTACT-INFO

"Cisco Systems  
Customer Service

Postal: 170 W Tasman Drive

San Jose, CA 95134

USA

Tel: +1 800 553 -NETS

E-mail: cs-snmp@cisco.com"

DESCRIPTION

"The MIB module for managing licenses on the system.  
The licensing mechanism provides flexibility to  
enforce licensing for various features in the system.

The following text introduces different concepts and  
terms those are necessary to understand the MIB definition  
and to perform license management.

UDI

Universal Device Identifier that uniquely identifies a  
device. It comprises of product ID, version ID and serial  
number of the device.

NODE LOCKED LICENSE:

Node locked licenses are locked to one of the device  
identifiers in the system. For example, the license  
can be locked to the UDI value of one of the devices  
in the system. Locking a license to an UDI guarantees  
that the license will not be moved to a device with a

different UDI.

#### NON-NODE LOCKED LICENSE:

Non-node locked licenses are not locked to any device identifier. They can be used on other similar devices.

#### METERED LICENSE:

Metered licenses are valid for limited period of time and they expire after that. This period is the usage period of a license and it is not based on real time clock, but system clock.

#### EULA:

End User License Agreement.

#### EVALUATION LICENSE:

Evaluation licenses are non-node locked metered licenses which are valid only for a limited period. They are used only when there are no permanent, extension or grace period licenses for a feature. User

will have to accept EULA (End User License Agreement) before using an evaluation license. Even though they are not node locked, their usage is recorded on the device.

#### RIGHT TO USE (RTU) LICENSE:

Right to use license is a non-node locked metered license which is in evaluation mode for a limited time after which it is converted to Right To Use (RTU) license and is valid for the lifetime of the product. User will have to accept EULA (End User License Agreement) before using this license. Even though it is not node locked, usage information is recorded on the device.

#### EXTENSION LICENSE:

Extension licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. User will have to accept an

EULA as part of installation of extension license.

#### GRACE PERIOD LICENSE:

Grace period licenses are node locked metered licenses. These licenses are issued by Cisco's licensing portal as part of the permission ticket to rehost a license. These licenses are installed on the device as part of



the rehost operation. User will have to accept an EULA as part of the rehost operation for this type of license. Details on permission ticket, rehost operations are provided further down in this description clause.

#### PERMANENT LICENSE:

Permanent licenses are node locked licenses that have no usage period associated with them. These licenses are issued by Cisco's licensing portal. These licenses need to be installed using management interfaces on the device. Once these licenses are installed, they will provide needed permission for the feature/image across different versions.

#### COUNTED LICENSE:

Counted licenses limit the number of similar entities that can use the license. For example, a counted license when used by a feature can limit the number of IP phones that can connect or the number of tunnels that can be created.

#### UNCOUNTED LICENSE:

Uncounted licenses do not limit the number of similar entities that can use the licenses.

License can be enforced at the image level or at the feature level and this MIB module supports both.

#### IMAGE LEVEL LICENSING:

A universal image that contains all levels of software packages is loaded on to the device. At boot time, the device determines the highest level of license and brings up the appropriate software features or subsystems.

#### FEATURE LEVEL LICENSING:

Feature level licensing will support enforcement of license at individual feature. Features have to check for their licenses before enabling themselves. If it does not have a license, the feature should disable itself.

There is a one-to-one relationship between a feature and a license. That is, a feature can use only one license at a time and a license can be used by only one feature at a time.

#### LICENSE LINE:

A License line is an atomic set of ASCII characters arranged in a particular format that holds the license for a single feature within it. A line has all the necessary fields and attributes that make it a valid, non-tamper able and complete license.

#### LICENSE FILE:

File generated by Cisco licensing portal. It is used to install license on product. It has a user readable part and it contains one or more license lines.

#### DEVICE CREDENTIALS:

Device credentials file is a document that is generated by a licensed device. This document establishes the identity of the device and proves that the sender/user has/had authorized access to the device.

#### REHOST:

Rehost operation allows a node locked license that is installed on a device to be installed on other similar device. As part of rehost operation, a device processes the permission ticket, revokes the license(s) on the device and generates a rehost ticket as the proof of revocation. This rehost ticket needs to be presented to the Cisco's licensing portal to get the license transferred on to a new similar device.

#### PERMISSION TICKET:

Permission ticket is a document generated by Cisco licensing portal that allows a device to rehost its licenses.

#### REHOST TICKET:

Rehost ticket is document generated by a device after it has applied a permission ticket. The rehost ticket is a proof of revocation.

#### LICENSING PORTAL:

Generates licenses, permission tickets and verifies device credentials and rehost tickets.

This MIB module provides MIB objects to install, clear, revoke licenses. It also provides objects to regenerate last rehost ticket, backup all the licenses installed on a device, generate & export EULA for licenses.

#### STEPS TO INSTALL A LICENSE:

To install a license, the management application

1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the license file, uses device credentials to identify the device
3. Executes the license install action.

#### STEPS TO CLEAR A LICENSE:

To clear a license, the management application

1. Identifies the license to be cleared using license index.
2. Executes the license clear action.

#### STEPS TO REHOST A LICENSE:

To rehost a license, the management application

1. Retrieves device credentials of the device.
2. Communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the processPermissionTicket action. Device revokes the license and generates rehost ticket to be submitted as proof of revocation.
4. Retrieves device credentials of the device where the license needs to be transferred to.
5. Submits rehost ticket as proof of revocation to Cisco's licensing portal, uses device credentials of

the new device to identify the device, gets license file.

6. Executes the license install action on the new device.

#### STEPS TO REGENERATE LAST REHOST TICKET:

To regenerate last rehost ticket, the management application

1. Retrieves device credentials of the device.
2. Uses already obtained permission ticket or communicates with Cisco's licensing portal to get the permission ticket, uses device credentials to identify the device.
3. Executes the regenerateLastRehostTicket action. Device generates rehost ticket to be submitted as proof of revocation.

#### STEPS TO BACKUP ALL LICENSES:

To backup all licenses installed in the device, the

management application

1. Specifies the backup file path.
2. Executes the license backup action.

#### STEPS TO GENERATE

#### & EXPORT EULA:

To install certain kind of licenses, the management application must accept EULA first. The management application can generate and export EULA for one or more licenses with out installing licenses as follows.

1. Specifies the license file path that has licenses to be installed
2. Specifies the EULA file path where EULA need to be exported to
3. Executes the generate EULA action.

To support the various license actions, this MIB module also defines MIB objects to know if a device supports licensing, retrieve device credentials, retrieve information on license stores in the device.

It also defines MIB objects to expose management information associated with the licenses installed on the device, with the licensable features in the software image.

This MIB module also defines various notifications that will be triggered to asynchronously notify the management application of any critical events.

This MIB module is defined generically so it can be implemented on stand alone devices or stack of devices. In stack of devices, one device in the stack acts as master agent and rest are slave agents. Each device in the stack has its own UDI. The master agent receives requests on behalf of all the devices in the stack including itself and delegates it to other devices as needed. It also collects responses from other devices and sends them to the management application. Examples of such devices include stackable switches, devices with route processor and line cards. On the other hand, stand alone device is a single device and has only one UDI associated with it.

entPhysicalIndex imported from ENTITY-MIB is used to identify the device uniquely. It is specified as the index

or one of the index for tables in this MIB as needed."

REVISION "201204190000Z"

## DESCRIPTION

"This version of the MIB adds support for Permanent Right to use (RTU) licensing. The revisions are:

- o Updated clmgmtLicenseType object to support the following new types of license:  
permanentRightToUse

The new module compliance is ciscoLicenseMgmtComplianceRev1."

REVISION "201104190000Z"

## DESCRIPTION

"This version of the MIB adds support for Right to use (RTU) licensing. The revisions are:

- o Added RTU license definition to MIB description above.
- o Updated clmgmtLicenseType object to support the following new types of license:  
evalRightToUse  
rightToUse
- o Added following objects to clmgmtLicenseInfoTable  
clmgmtLicensePeriodUsed
- o Added following objects to clmgmtLicensableFeatureTable  
clmgmtFeaturePeriodUsed
- o Added the following notifications  
clmgmtLicenseEvalRTUTransitionWarning  
clmgmtLicenseEvalRTUTransition
- o Added the following conformance groups  
clmgmtLicenseRTUGroup  
clmgmtLicenseRTUUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1."

REVISION "200811210000Z"

## DESCRIPTION

"This version of the MIB adds support for subscription licensing. Subscription licenses provide software enforcement for a licensed feature for a fixed calendar period. The revisions are:

- o Updated clmgmtLicenseType object to support the following three new types of licenses:  
paidSubscription  
evaluationSubscription  
extensionSubscription
- o Added following objects to clmgmtLicenseInfoTable  
clmgmtLicenseStartDate  
clmgmtLicenseEndDate
- o Added following  
objects to clmgmtLicensableFeatureTable  
clmgmtFeatureStartDate  
clmgmtFeatureEndDate

- o Added the following notifications
  - clmgmtLicenseSubscriptionExpiryWarning
  - clmgmtLicenseSubscriptionExtExpiryWarning
  - clmgmtLicenseSubscriptionExpired
- o Added the following conformance groups
  - clmgmtLicenseSubscriptionGroup
  - clmgmtLicenseSubscriptionUsageNotifGroup

The new module compliance is ciscoLicenseMgmtComplianceRev1."

REVISION "200610030000Z"

DESCRIPTION

"Initial version of this MIB module."

::= { ciscoMgmt 543 }

ciscoLicenseMgmtMIBNotifs OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIB 0 }

ciscoLicenseMgmtMIBObjects OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIB 1 }

ciscoLicenseMgmtMIBConform OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIB 2 }

clmgmtLicenseConfiguration OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIBObjects 1 }

clmgmtLicenseInformation

OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIBObjects 2 }

clmgmtLicenseDeviceInformation OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIBObjects 3 }

clmgmtLicenseNotifObjects OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIBObjects 4 }

ClmgmtLicenseIndex ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"A unique value, for each license in the managed system.

It is not necessary to have values assigned contiguously.

The value for each license must remain constant

at least from one re-initialization of the entity's

network management system to the next re-initialization"

SYNTAX Unsigned32 (1..4294967295)

ClmgmtLicenseIndexOrZero ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"This textual convention is an extension of the ClmgmtLicenseIndex convention. The latter defines a greater than zero value used to identify a license in the managed system.

This

extension permits the additional value of zero. The value zero is object-specific and must therefore be defined as part of the description of any object which uses this syntax. Examples of the usage of zero might include situations where license was not present or unknown."

SYNTAX Unsigned32

ClmgmtLicenseTransferProtocol ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"The transfer protocol that should be used for copying files when performing license management. When the protocol is set to local(2), local file system (flash or disk) is used. Different agents may support different transfer protocols and the management application is expected to some how determine which protocol is supported and use."

SYNTAX INTEGER {  
    none(1),  
    local(2),  
    tftp(3),  
    ftp(4),  
    rcp(5),  
    http(6),  
    scp(7),  
    sftp(8)  
}

ClmgmtLicenseActionState ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"The state of license action execution.

none(1) - action is not yet scheduled to be executed.

pending(2) - All the required parameters for the action are set and the action is scheduled to be executed.

inProgress(3) - action execution has started and is in progress.

successful(4) - action has completed successfully.

partiallySuccessful(5) - action has completed, but was partially successful. Management application can query additional MIB

objects to know what is successful and what has failed. These additional objects are listed in the description of the corresponding action tables.

failed(6) - action has failed."

```
SYNTAX      INTEGER {
    none(1),
    pending(2),
    inProgress(3),
    successful(4),
    partiallySuccessful(5),
    failed(6)
}
```

ClmgmtLicenseActionFailCause ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"Reason for license action failure. Defines error codes for all the license actions.

none(1) - action execution has not started yet. If the action is completed and the action

is successful, then also none(1) is returned to indicate that there are no errors.

generalFailure(2) - General licensing failure.

This will be used for resource unavailability failures.

Ex: Lack of memory.

transferProtocolNotSupported(3) - protocol selected is not supported.

fileServerNotReachable(4) - file server is not reachable.

unrecognizedEntPhysicalIndex(5) - entPhysicalIndex is not valid

invalidLicenseFilePath(6) - The license file path is not accessible.

invalidLicenseFile(7) - Contents of license file are



not valid.

invalidLicenseLine(8) - License string in the license file is not valid.

licenseAlreadyExists(9) - Management application is trying to install a license that already exists.

licenseNotValidForDevice(10) - This license is not valid for the device/entPhysicalIndex specified.

invalidLicenseCount(11) - Invalid count for this counted license.

invalidLicensePeriod(12) - Validity period is invalid for this expiring license.

licenseInUse(13) - License file is in use by a feature/image.

invalidLicenseStore(14) - License store is not valid.

licenseStorageFull(15) - There is no more space in the license storage.

invalidPermissionTicketFile(16) - The permission ticket file path is not accessible.

invalidPermissionTicket(17) - The permission ticket file contents are not valid.

invalidRehostTicketFile(18) - The rehost ticket file path is not accessible.

invalidRehostTicket(19) - The rehost ticket file contents are not valid.

invalidLicenseBackupFile(20) - License backup store path is not accessible.

licenseClearInProgress(21) - When license clear action is in progress, license backup action is not permitted to avoid race conditions. This error code is sent back in response to a license backup action when a license clear action is in progress or in pending state. Try again in few seconds.

invalidLicenseEULAFile(22) - EULA file path is not accessible."

SYNTAX INTEGER {  
 none(1),  
 generalFailure(2),  
 transferProtocolNotSupported(3),  
 fileServerNotReachable(4),  
 unrecognizedEntPhysicalIndex(5),

```

invalidLicenseFilePath(6),
invalidLicenseFile(7),
invalidLicenseLine(8),
licenseAlreadyExists(9),
licenseNotValidForDevice(10),
invalidLicenseCount(11),

invalidLicensePeriod(12),
licenseInUse(13),
invalidLicenseStore(14),
licenseStorageFull(15),
invalidPermissionTicketFile(16),
invalidPermissionTicket(17),
invalidRehostTicketFile(18),
invalidRehostTicket(19),
invalidLicenseBackupFile(20),
licenseClearInProgress(21),
invalidLicenseEULAFile(22)
}

```

clmgmtNextFreeLicenseActionIndex OBJECT-TYPE

SYNTAX Unsigned32 (1..4294967295)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object contains appropriate value for clmgmtLicenseActionIndex that can be used to create an entry in clmgmtLicenseActionTable. The management application should read this object first and then use this as the value

for clmgmtLicenseActionIndex to avoid collisions when creating entries in clmgmtLicenseActionTable.

Following this approach does not guarantee collision free row creation, but will reduce the probability. The collision will happen if two management applications read this object at the same time and attempt to create an entry with this value at the same time. In this case, the management application whose request is processed after the first request will get an error and the process of reading this object and entry creation needs to be repeated."

::= { clmgmtLicenseConfiguration 1 }

-- Table for executing license management actions.

clmgmtLicenseActionTable OBJECT-TYPE

SYNTAX SEQUENCE OF ClmgmtLicenseActionEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A table for invoking license management actions. Management application must create a row in this table to trigger any of the license management actions. The following are different actions that can be executed using this table.

1. install
2. clear
3. processPermissionTicket
4. regenerateLastRehostTicket
5. backup
6. generateEULA

Refer to the description of `clmgmtLicenseAction` for more information on what these actions do on the device. Once the request completes, the management application should retrieve the values of the objects of interest, and then delete the entry. In order to prevent old entries from clogging the table, entries will be aged out, but an entry will never be deleted within 5 minutes of completion."

::= { clmgmtLicenseConfiguration 2 }

#### `clmgmtLicenseActionEntry` OBJECT-TYPE

SYNTAX `ClmgmtLicenseActionEntry`

MAX-ACCESS not-accessible

STATUS current

#### DESCRIPTION

"An entry for each action that is being executed or was executed recently. The management application executes an action by creating this entry. This can be done in the following 2 methods

##### 1. CREATE-AND-GO method

Management application sets `clmgmtLicenseActionRowStatus` to `createAndGo(4)` and all other required objects to valid values in a single SNMP SET request. If all the values are valid, the device creates the entry and executes the action. If the SET request fails, the entry will not be created.

##### 2. CREATE-AND-WAIT method

Management application sets `clmgmtLicenseActionRowStatus` to `createAndWait(5)` to create an entry. Management application can set all other required objects to valid values in more than one SNMP SET request. If SET request for any of the objects fails, management application can set

just only that object. Once all the required objects are set to valid values, management application triggers action execution by setting `clmgmtLicenseActionRowStatus` to `active(1)`.

To stop the action from being executed, the management application can delete the entry by setting `clmgmtLicenseActionRowStatus` to `destroy(6)` when `clmgmtLicenseActionState` is `pending(2)`.

The status of action execution can be known by querying `clmgmtLicenseActionState`. If the action is still in `pending(2)` or in `inProgress(3)` state, the management application need to check back again after few seconds. Once the action completes and status of the action is `failed(6)`, the reason for failure can be retrieved from `clmgmtLicenseActionFailCause`. If the status of the action is `partiallySuccessful(5)`, results of individual licenses can be queried from `clmgmtLicenseActionResultTable`.

Not all objects in the entry are needed to execute every action. Below is the list of actions and the required objects that are needed to be set for executing that action.

#### 1. Installing a license

The following MIB objects need to be set for installing a license

- a. `clmgmtLicenseActionTransferProtocol`
- b. `clmgmtLicenseServerAddressType`
- c. `clmgmtLicenseServerAddress`
- d. `clmgmtLicenseServerUsername`
- e. `clmgmtLicenseServerPassword`
- f. `clmgmtLicenseFile`
- g. `clmgmtLicenseStore`
- h. `clmgmtLicenseStopOnFailure`
- i. `clmgmtLicenseAcceptEULA`
- j. `clmgmtLicenseAction`

`clmgmtLicenseActionEntPhysicalIndex` need not be set explicitly for license installs. License itself identifies the device where the license needs to be installed.

`clmgmtLicenseStore` need to be set to store the licenses in a non-default license store. But, if a license file has more than one license and licenses need to be

installed on multiple devices (for example to multiple members within a stack), then value of `clmgmtLicenseStore` is ignored and the licenses will be installed in default license stores of the respective devices.

## 2. Clearing a license

The following MIB objects need to be set for clearing a license

- a. `clmgmtLicenseActionEntPhysicalIndex`
- b. `clmgmtLicenseActionLicenseIndex`
- c. `clmgmtLicenseStore`
- d. `clmgmtLicenseAction`

## 3. Revoking a license

The following MIB objects need to be set for revoking a license

- a. `clmgmtLicenseActionTransferProtocol`
- b. `clmgmtLicenseServerAddressType`
- c. `clmgmtLicenseServerAddress`
- d. `clmgmtLicenseServerUsername`
- e. `clmgmtLicenseServerPassword`
- f. `clmgmtLicensePermissionTicketFile`
- g. `clmgmtLicenseRehostTicketFile`
- h. `clmgmtLicenseStopOnFailure`
- i. `clmgmtLicenseAction`

## 4. Regenerate last rehost ticket

The following MIB objects need to be set for regenerating last rehost ticket

- a. `clmgmtLicenseActionTransferProtocol`
- b. `clmgmtLicenseServerAddressType`
- c. `clmgmtLicenseServerAddress`
- d. `clmgmtLicenseServerUsername`
- e. `clmgmtLicenseServerPassword`
- f. `clmgmtLicensePermissionTicketFile`
- g. `clmgmtLicenseRehostTicketFile`
- h. `clmgmtLicenseStopOnFailure`
- i. `clmgmtLicenseAction`

## 5. Save all licenses to a backup storage

The following MIB objects need to be set for storing all licenses to a backup store

- a. `clmgmtLicenseActionEntPhysicalIndex`
- b. `clmgmtLicenseActionTransferProtocol`
- c. `clmgmtLicenseServerAddressType`
- d. `clmgmtLicenseServerAddress`
- e. `clmgmtLicenseServerUsername`

- f. clmgmtLicenseServerPassword
- g. clmgmtLicenseBackupFile
- h. clmgmtLicenseAction

6. Generate and export EULA if the licenses need EULA to be accepted for installing.

The following MIB objects need to be set exporting required EULAs

- a. clmgmtLicenseActionTransferProtocol
- b. clmgmtLicenseServerAddressType
- c. clmgmtLicenseServerAddress
- d. clmgmtLicenseServerUsername
- e. clmgmtLicenseServerPassword
- f. clmgmtLicenseFile
- g. clmgmtLicenseEULAFile
- h. clmgmtLicenseAction

For any action, if clmgmtLicenseActionTransferProtocol is set to local(2), the following objects need not be set.

- a. clmgmtLicenseServerAddressType
  
- b. clmgmtLicenseServerAddress
- c. clmgmtLicenseServerUsername
- d. clmgmtLicenseServerPassword

Entry can be deleted except when clmgmtLicenseAction is set to pending(2). All entries are volatile and are cleared on agent reset."

```
INDEX      { clmgmtLicenseActionIndex }
 ::= { clmgmtLicenseActionTable 1 }
```

```
ClmgmtLicenseActionEntry ::= SEQUENCE {
    clmgmtLicenseActionIndex      Unsigned32,
    clmgmtLicenseActionEntPhysicalIndex PhysicalIndexOrZero,
    clmgmtLicenseActionTransferProtocol ClmgmtLicenseTransferProtocol,
    clmgmtLicenseServerAddressType InetAddressType,
    clmgmtLicenseServerAddress     InetAddress,
    clmgmtLicenseServerUsername     SnmpAdminString,
    clmgmtLicenseServerPassword     SnmpAdminString,
    clmgmtLicenseFile               SnmpAdminString,
    clmgmtLicenseStore              Unsigned32,
    clmgmtLicenseActionLicenseIndex
    ClmgmtLicenseIndexOrZero,
    clmgmtLicensePermissionTicketFile SnmpAdminString,
    clmgmtLicenseRehostTicketFile     SnmpAdminString,
    clmgmtLicenseBackupFile           SnmpAdminString,
    clmgmtLicenseStopOnFailure        TruthValue,
    clmgmtLicenseAction               INTEGER,
```

```

    clmgmtLicenseActionState      ClmgmtLicenseActionState,
    clmgmtLicenseJobQPosition     Unsigned32,
    clmgmtLicenseActionFailCause  ClmgmtLicenseActionFailCause,
    clmgmtLicenseActionStorageType StorageType,
    clmgmtLicenseActionRowStatus  RowStatus,
    clmgmtLicenseAcceptEULA      TruthValue,
    clmgmtLicenseEULAFile        SnmpAdminString
}

```

clmgmtLicenseActionIndex OBJECT-TYPE

SYNTAX Unsigned32 (1..4294967295)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This object uniquely identifies a row in  
clmgmtLicenseActionTable.

The management application should choose

this value by reading clmgmtNextFreeLicenseActionIndex  
while creating an entry in this table. If an entry already  
exists with this index, the creation of the entry will not  
continue and error will be returned. The management application  
should read the value of clmgmtNextFreeLicenseActionIndex  
again and retry with the new value for this object."

::= { clmgmtLicenseActionEntry 1 }

clmgmtLicenseActionEntPhysicalIndex OBJECT-TYPE

SYNTAX PhysicalIndexOrZero

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object represents the entPhysicalIndex of the device  
where the action is being executed. This object is mainly  
used in devices where one device is acting as a master and  
rest of the devices as slaves. The master device is  
responsible for SNMP communication with the management  
application. Examples

include stackable switches, devices

with route processor and line card configuration. If this  
object is not set, the license action will be executed on  
the master device. Note: This object need not be set if  
there is a stand alone device"

DEFVAL { 0 }

::= { clmgmtLicenseActionEntry 2 }

clmgmtLicenseActionTransferProtocol OBJECT-TYPE

SYNTAX ClmgmtLicenseTransferProtocol

MAX-ACCESS read-create

STATUS current

## DESCRIPTION

"This object represents the transfer protocol to be used when copying files as specified in the following objects.

1. clmgmtLicenseFile
2. clmgmtLicensePermissionTicketFile
3. clmgmtLicenseRehostTicketFile
4. clmgmtLicenseBackupFile

Note: This object need not be set if the all the files required for the action are in device's local file system."

DEFVAL { none }

::= { clmgmtLicenseActionEntry 3 }

## clmgmtLicenseServerAddressType

### OBJECT-TYPE

SYNTAX InetAddressType

MAX-ACCESS read-create

STATUS current

### DESCRIPTION

"This object indicates the transport type of the address contained in clmgmtLicenseServerAddress object.

This must be set when clmgmtLicenseActionTransferProtocol is not none(1) or local(2)."

DEFVAL { unknown }

::= { clmgmtLicenseActionEntry 4 }

## clmgmtLicenseServerAddress OBJECT-TYPE

SYNTAX InetAddress

MAX-ACCESS read-create

STATUS current

### DESCRIPTION

"This object indicates the ip address of the server from which the files must be read or written to if clmgmtLicenseActionTransferProtocol is not none(1) or local(2).

All bits as 0s or 1s for clmgmtLicenseServerAddress are not allowed.

The format of this address depends on the value of the clmgmtLicenseServerAddressType object"

DEFVAL

{ "" }

::= { clmgmtLicenseActionEntry 5 }

## clmgmtLicenseServerUsername OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..96))

MAX-ACCESS read-create



STATUS current

DESCRIPTION

"This object indicates the remote user name for accessing files via ftp, rcp, sftp or scp protocols. This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtLicenseActionTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server."

DEFVAL { "" }

::= { clmgmtLicenseActionEntry 6 }

clmgmtLicenseServerPassword OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..96))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server.

This object must be set when the clmgmtLicenseActionTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons."

DEFVAL { "" }

::= { clmgmtLicenseActionEntry 7 }

clmgmtLicenseFile OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object represents the location of the license file on the server identified by clmgmtLicenseServerAddress. This object MUST be set to a valid value before or concurrently with setting the value of the clmgmtLicenseAction object to install(2). For other operations, the value of this object is not considered, it is irrelevant."

DEFVAL { "" }

::= { clmgmtLicenseActionEntry 8 }

clmgmtLicenseStore OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object represents the clmgmtLicenseStoreIndex of the

license store to use within the device. The license store can be a local disk or flash. A device can have more than one license stores. If this object is not set, the license will be stored in the default license store as exposed by clmgmtDefaultLicenseStore object."

DEFVAL { 0 }

::= { clmgmtLicenseActionEntry 9 }

clmgmtLicenseActionLicenseIndex OBJECT-TYPE

SYNTAX ClmgmtLicenseIndexOrZero

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the the license index of the license that is the subject of this action. This is used for identifying a license for performing actions specific to that license. This object need to be set only if clmgmtLicenseAction is set to clear(4). The value of this object is same as the clmgmtLicenseIndex

object in

clmgmtLicenseInfoEntry for license that is subject of this action."

DEFVAL { 0 }

::= { clmgmtLicenseActionEntry 10 }

clmgmtLicensePermissionTicketFile OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the file name of the permission ticket. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions. The permission ticket is obtained from Cisco licensing portal to revoke a license. The management application must set this object to valid value before invoking the action."

DEFVAL { "" }

::= { clmgmtLicenseActionEntry 11 }

clmgmtLicenseRehostTicketFile OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the file where the rehost ticket generated by the device need to be exported to. The rehost ticket is generated as a result of processPermissionTicket

and regenerateLastRehostTicket actions. After generating the rehost ticket, the device exports the rehost ticket contents to this file. This object need to be set only if clmgmtLicenseAction is set to processPermissionTicket(4) or regenerateLastRehostTicket(5) actions."

```
DEFVAL      { "" }  
::= { clmgmtLicenseActionEntry 12 }
```

#### clmgmtLicenseBackupFile OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object indicates the file where all the licenses in the device need to be backed up. This object need to be set only if clmgmtLicenseAction is set to backup(6) and the management application must set the

value of this object

to valid value before invoking action."

```
DEFVAL      { "" }  
::= { clmgmtLicenseActionEntry 13 }
```

#### clmgmtLicenseStopOnFailure OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object indicates whether the license action should stop if the action on a license fails. This object is applicable only if there are more than one licenses involved in an action."

```
DEFVAL      { false }  
::= { clmgmtLicenseActionEntry 14 }
```

#### clmgmtLicenseAction OBJECT-TYPE

```
SYNTAX      INTEGER {  
              noOp(1),  
              install(2),  
              clear(3),  
              processPermissionTicket(4),  
              regenerateLastRehostTicket(5),  
              backup(6),  
              generateEULA(7)  
            }
```

MAX-ACCESS read-create

STATUS

current

#### DESCRIPTION

"This object indicates the the command/action to be executed.

Command	Remarks
-----	-----
noOp(1)	No operation will be performed.
install(2)	Installs the license.
clear(3)	Clears the license.
processPermissionTicket(4)	Processes thee permission ticket and generates and exports rehost ticket.
regenerateLastRehostTicket(5)	Generates and exports the last generated rehost ticket.
backup(6)	Backs up all the licenses installed currently onto a backup store.
generateEULA(7)	Checks whether the licenses in the license file need EULA acceptance and uploads the needed EULA contents to a file."

```
DEFVAL { noOp }  
::= { clmgmtLicenseActionEntry 15 }
```

clmgmtLicenseActionState OBJECT-TYPE

SYNTAX ClmgmtLicenseActionState

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the state of this license action."

```
::= { clmgmtLicenseActionEntry 16 }
```

clmgmtLicenseJobQPosition OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object represents the position of the action in the license action job queue that is maintained internally. Only actions in pending(2) state will be put in the queue until they are executed. By

reading this object, the management application can make intelligent decision on whether to execute another action that it is planning on. For example, if there is already a license clear action in the queue in pending(2) state, management application can choose to defer its license back up action to a later time. This object will return a value of 0 if the action is not in pending(2) state."  
::= { clmgmtLicenseActionEntry 17 }

clmgmtLicenseActionFailCause OBJECT-TYPE

SYNTAX ClmgmtLicenseActionFailCause

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the reason for this license action failure. The value of this object is valid only when clmgmtLicenseActionState is failed(6)."

::= { clmgmtLicenseActionEntry 18 }

clmgmtLicenseActionStorageType OBJECT-TYPE

SYNTAX StorageType

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."

DEFVAL { volatile }

::= { clmgmtLicenseActionEntry 19 }

clmgmtLicenseActionRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the the status of this table entry. Once the entry status is set to active(1), the associated entry cannot be modified until the action completes (clmgmtLicenseConfigCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row. It is recommended that the management application should delete entries in this table after reading the result. In order to prevent old entries from clogging the table, entries

will be aged out, but an

entry will never be deleted within 5 minutes of completion"

::= { clmgmtLicenseActionEntry 20 }

#### clmgmtLicenseAcceptEULA OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object indicates whether the End User License Agreement needed for installing the licenses is accepted.

true(1) - EULA is read and accepted

false(2) - EULA is not accepted

Management application should set this object to true(1) when installing licenses that need EULA acceptance."

DEFVAL { false }

::= { clmgmtLicenseActionEntry 21 }

#### clmgmtLicenseEULAFile OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object indicates the file where all the End User License Agreements (EULAs) need to be exported to. This object need to

be set only if clmgmtLicenseAction is set to generateEULA(7) and the management application must set the value of this object to valid value before invoking action."

DEFVAL { "" }

::= { clmgmtLicenseActionEntry 22 }

-- License action results table.

#### clmgmtLicenseActionResultTable OBJECT-TYPE

SYNTAX SEQUENCE OF ClmgmtLicenseActionResultEntry

MAX-ACCESS not-accessible

STATUS current

#### DESCRIPTION

"This table contains results of license action if the license action involves multiple licenses. Entries in this table are not created for actions where there is only license that is subject of the action. For example, if there are 3 licenses in a license file

when executing license install action, 3 entries will be created in this table, one for each license."  
 ::= { clmgmtLicenseConfiguration 3 }

clmgmtLicenseActionResultEntry OBJECT-TYPE

SYNTAX

ClmgmtLicenseActionResultEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in clmgmtLicenseActionResultTable. Each entry contains result of the action for a single license.

These entries are created immediately after action execution when the action involves multiple licenses.

These entries get automatically deleted when the corresponding entry in clmgmtLicenseActionTable is deleted."

INDEX {  
 clmgmtLicenseActionIndex,  
 clmgmtLicenseNumber  
 }

::= { clmgmtLicenseActionResultTable 1 }

ClmgmtLicenseActionResultEntry ::= SEQUENCE {

clmgmtLicenseNumber Unsigned32,

clmgmtLicenseIndivActionState ClmgmtLicenseActionState,

clmgmtLicenseIndivActionFailCause ClmgmtLicenseActionFailCause

}

clmgmtLicenseNumber OBJECT-TYPE

SYNTAX Unsigned32 (1..4294967295)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This object indicates the sequence number of this license in the list of licenses on which the action is executed.

For example, if there are 3 licenses in a license file when executing license install action, this object will have values 1, 2 and 3 respectively as ordered in the license file."

::= { clmgmtLicenseActionResultEntry 1 }

clmgmtLicenseIndivActionState OBJECT-TYPE

SYNTAX ClmgmtLicenseActionState

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the state of action on this

individual license."

::= { clmgmtLicenseActionResultEntry 2 }

clmgmtLicenseIndivActionFailCause OBJECT-TYPE

SYNTAX ClmgmtLicenseActionFailCause

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the reason for action failure on this

individual license"

::= { clmgmtLicenseActionResultEntry 3 }

-- License Store Info Table

clmgmtLicenseStoreInfoTable OBJECT-TYPE

SYNTAX SEQUENCE OF ClmgmtLicenseStoreInfoEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This table contains information about all the license stores allocated on the device."

::= { clmgmtLicenseInformation 1 }

clmgmtLicenseStoreInfoEntry OBJECT-TYPE

SYNTAX ClmgmtLicenseStoreInfoEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in clmgmtLicenseStoreInfoTable. Each entry contains information about a license store allocated on the device"

INDEX {  
    entPhysicalIndex,  
    clmgmtLicenseStoreIndex  
}

::= { clmgmtLicenseStoreInfoTable 1 }

ClmgmtLicenseStoreInfoEntry ::= SEQUENCE {

    clmgmtLicenseStoreIndex

    Unsigned32,

    clmgmtLicenseStoreName SnmpAdminString,

    clmgmtLicenseStoreTotalSize Unsigned32,

    clmgmtLicenseStoreSizeRemaining Unsigned32

}

clmgmtLicenseStoreIndex OBJECT-TYPE



SYNTAX Unsigned32 (1..4294967295)  
MAX-ACCESS not-accessible  
STATUS current  
DESCRIPTION  
"This object uniquely identifies a license store within  
the device."  
 ::= { clmgmtLicenseStoreInfoEntry 1 }

clmgmtLicenseStoreName OBJECT-TYPE  
SYNTAX SnmpAdminString (SIZE (0..255))  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"This object indicates the name of the license store  
within the device. It is a file in device's local file  
system i.e., either on a local disk or flash or some  
other storage media. For example, the value of this  
object can be 'disk1:lic\_store\_1.txt' or  
'flash:lic\_store\_2.txt'  
 ::= { clmgmtLicenseStoreInfoEntry  
 2 }

clmgmtLicenseStoreTotalSize OBJECT-TYPE  
SYNTAX Unsigned32  
UNITS "bytes"  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"This object indicates the total number of bytes that are  
allocated to the license store."  
 ::= { clmgmtLicenseStoreInfoEntry 3 }

clmgmtLicenseStoreSizeRemaining OBJECT-TYPE  
SYNTAX Unsigned32  
UNITS "bytes"  
MAX-ACCESS read-only  
STATUS current  
DESCRIPTION  
"This object indicates the number of bytes still remaining  
to be used for new license installations in the license  
store."  
 ::= { clmgmtLicenseStoreInfoEntry 4 }

-- License Device Info Table

clmgmtLicenseDeviceInfoTable OBJECT-TYPE  
SYNTAX SEQUENCE OF ClmgmtLicenseDeviceInfoEntry

MAX-ACCESS not-accessible  
 STATUS current  
 DESCRIPTION  
 "This table contains objects that provide licensing related information at the device level. Entries will exist only for entities that support licensing. For example, if it is a stand alone device and supports licensing, then there will be only one entry in this table. If it is stackable switch then there will be multiple entries with one entry for each device in the stack."  
 ::= { clmgmtLicenseInformation 2 }

clmgmtLicenseDeviceInfoEntry OBJECT-TYPE  
 SYNTAX ClmgmtLicenseDeviceInfoEntry  
 MAX-ACCESS not-accessible  
 STATUS current  
 DESCRIPTION  
 "An entry in clmgmtLicenseDeviceInfoTable. Each entry contains device level licensing information for a device."  
 INDEX { entPhysicalIndex }  
 ::= { clmgmtLicenseDeviceInfoTable 1 }

ClmgmtLicenseDeviceInfoEntry ::= SEQUENCE {  
 clmgmtDefaultLicenseStore Unsigned32  
 }

clmgmtDefaultLicenseStore OBJECT-TYPE  
 SYNTAX Unsigned32 (1..4294967295)  
 MAX-ACCESS read-only  
 STATUS  
 current  
 DESCRIPTION  
 "This object indicates the clmgmtLicenseStoreIndex of default store in the device. There will be only one default license store per device. If no license store is specified during license install, this default license store will be used."  
 ::= { clmgmtLicenseDeviceInfoEntry 1 }

-- License Info Table

clmgmtLicenseInfoTable OBJECT-TYPE  
 SYNTAX SEQUENCE OF ClmgmtLicenseInfoEntry  
 MAX-ACCESS not-accessible  
 STATUS current  
 DESCRIPTION

"This table contains information about all the licenses installed on the device."

```
::= { clmgmtLicenseInformation 3 }
```

clmgmtLicenseInfoEntry OBJECT-TYPE

SYNTAX ClmgmtLicenseInfoEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in clmgmtLicenseInfoTable. Each entry contains information about a license installed on the device. This entry gets created when

a license is installed successfully.

Management application can not create these entries directly, but will do so indirectly by executing license install action.

Some of these entries may already exist that correspond to demo licenses even before management application installs any licenses."

```
INDEX {
    entPhysicalIndex,
    clmgmtLicenseStoreUsed,
    clmgmtLicenseIndex
}
```

```
::= { clmgmtLicenseInfoTable 1 }
```

ClmgmtLicenseInfoEntry ::= SEQUENCE {

```
    clmgmtLicenseStoreUsed      Unsigned32,
    clmgmtLicenseIndex          ClmgmtLicenseIndex,
    clmgmtLicenseFeatureName     SnmpAdminString,
    clmgmtLicenseFeatureVersion  SnmpAdminString,
    clmgmtLicenseType           INTEGER,
    clmgmtLicenseCounted        TruthValue,
    clmgmtLicenseValidityPeriod  Unsigned32,
    clmgmtLicenseValidityPeriodRemaining Unsigned32,
    clmgmtLicenseExpiredPeriod   Unsigned32,
    clmgmtLicenseMaxUsageCount   Unsigned32,
    clmgmtLicenseUsageCountRemaining Unsigned32,
    clmgmtLicenseEULAStatus      TruthValue,
    clmgmtLicenseComments       SnmpAdminString,
    clmgmtLicenseStatus         INTEGER,
    clmgmtLicenseStartDate       DateAndTime,
    clmgmtLicenseEndDate        DateAndTime,
    clmgmtLicensePeriodUsed      Unsigned32
```

```
}
```

clmgmtLicenseStoreUsed OBJECT-TYPE

SYNTAX Unsigned32 (1..4294967295)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This object represents the license store that is used for storing this license. This object will have the same value as clmgmtLicenseStoreIndex in clmgmtLicenseStoreInfoEntry of the license store used."

::= { clmgmtLicenseInfoEntry  
1 }

clmgmtLicenseIndex OBJECT-TYPE

SYNTAX ClmgmtLicenseIndex

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This object uniquely identifies a license within the device."

::= { clmgmtLicenseInfoEntry 2 }

clmgmtLicenseFeatureName OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..128))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the name of the feature that is using or can use this license. A license can be used by only one feature. Examples of feature name are: 'IPBASE', 'ADVIPSERVICE'."

::= { clmgmtLicenseInfoEntry 3 }

clmgmtLicenseFeatureVersion OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..128))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the version of the feature that is using or can use this license. Examples of feature version are: '1.0', '2.0'"

::= { clmgmtLicenseInfoEntry 4 }

clmgmtLicenseType OBJECT-TYPE

SYNTAX INTEGER {  
demo(1),  
extension(2),  
gracePeriod(3),  
permanent(4),  
paidSubscription(5),  
evaluationSubscription(6),  
extensionSubscription(7),

```
        evalRightToUse(8),
        rightToUse(9),
        permanentRightToUse(10)
    }
```

MAX-ACCESS read-only

STATUS current

#### DESCRIPTION

"This object identifies type of license. Licenses may have validity period defined in terms of time duration that the license is valid for or it may be defined in terms of actual calendar dates. Subscription licenses are licenses that have validity period defined in terms of calendar dates.

demo(1)

- demo(evaluation license) license.

extension(2) - Extension(expiring) license.

gracePeriod(3) - Grace period license.

permanent(4) - permanent license, the license has no expiry date.

paidSubscription(5) - Paid subscription licenses are the licenses

which are purchased by customers. These licenses have a start date and end date associated with them.

evaluationSubscription(6)-Evaluation subscription licenses are the trial licenses. These licenses are node locked and it can be obtained only once for an UDI. They are valid based on calendar days. These licenses have a start date and an end date

associated with them and are issued once per UDI.

extensionSubscription(7)- Extension subscription licenses are similar to evaluation subscription licenses but these licenses are issued based on customer request. There are no restrictions on the number of licenses available for a UDI.

evalRightToUse(8) - Evaluation Right to use (RTU) license.

rightToUse(9) - Right to use (RTU) license.

permanentRightToUse(10) ? Right To Use license right after it is configured and is valid for the lifetime of the product. This is a Right To Use license which is not in evaluation mode for a limited time."

::=

{ clmgmtLicenseInfoEntry 5 }

clmgmtLicenseCounted OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates whether the license is counted license.

true(1) - counted license

false(2) - uncounted license"

::= { clmgmtLicenseInfoEntry 6 }

clmgmtLicenseValidityPeriod OBJECT-TYPE

SYNTAX Unsigned32

UNITS "seconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the time period the license is valid for.

This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will return 0 for other license types."

::= { clmgmtLicenseInfoEntry 7 }

clmgmtLicenseValidityPeriodRemaining OBJECT-TYPE

SYNTAX Unsigned32

UNITS "seconds"

MAX-ACCESS read-only

STATUS

current

DESCRIPTION

"This object indicates the time period remaining before the license expires or transitions to rightToUse(9) license. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8). The object will contain 0 for other license types."

::= { clmgmtLicenseInfoEntry 8 }

clmgmtLicenseExpiredPeriod OBJECT-TYPE

SYNTAX Unsigned32

UNITS "seconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the elapsed time period since the license expired. This object is applicable only if clmgmtLicenseType is demo(1), or extension(2) or gracePeriod(3). Also, this

value of this object will be valid only after the license expires. The object will return 0 for other license types or before the license expiry."

::= { clmgmtLicenseInfoEntry 9 }

clmgmtLicenseMaxUsageCount

OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the maximum number of entities that can use this license. This object is applicable only if clmgmtLicenseCounted is true(1). The entity that is being counted can be anything and it depends on the licensable feature."

::= { clmgmtLicenseInfoEntry 10 }

clmgmtLicenseUsageCountRemaining OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the number of entities that can still use this license. This object is applicable only if clmgmtLicenseCounted is true(1)."

::= { clmgmtLicenseInfoEntry 11 }

clmgmtLicenseEULAStatus OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates whether the user accepted

End User License Agreement for this license.

true(1) - EULA accepted

false(2) - EULA not accepted"

::= { clmgmtLicenseInfoEntry 12 }

clmgmtLicenseComments OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object represents the user modifiable comments about the license. This object is initially populated

with comments from the license file."  
 ::= { clmgmtLicenseInfoEntry 13 }

clmgmtLicenseStatus OBJECT-TYPE

SYNTAX INTEGER {  
 inactive(1),  
 notInUse(2),  
 inUse(3),  
 expiredInUse(4),  
 expiredNotInUse(5),  
 usageCountConsumed(6)  
 }

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object represents status of the license.

inactive(1) - license is installed, but  
 not active.

notInUse(2) - license is installed and  
 available for use.

inUse(3) - the license is being used (by  
 a feature).

expiredInUse(4) - license is expired but still  
 being held by the feature.

expiredNotInUse(5) - license is expired and not being  
 held by any feature.

usageCountConsumed(6) - number of entities using this  
 licenses has reached the allowed  
 limit, no new entities are allowed  
 to use this license."

::= { clmgmtLicenseInfoEntry 14 }

clmgmtLicenseStartDate OBJECT-TYPE

SYNTAX DateAndTime

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object  
 indicates the start date for a subscription  
 license. It is optional for subscription licenses to have a  
 start date associated with them, they may only have an end  
 date associated with them. This object may be applicable only  
 when clmgmtLicenseType is paidSubscription(5),  
 evaluationSubscription(6) or extensionSubscription (7).  
 The object will contain an octet string of length 0 when it is  
 not applicable."

::= { clmgmtLicenseInfoEntry 15 }



clmgmtLicenseEndDate OBJECT-TYPE

SYNTAX DateAndTime

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the end date for a subscription license.

This object is applicable only when clmgmtLicenseType is paidSubscription(5), evaluationSubscription(6) or extensionSubscription (7). The object will contain an octet string of length 0 when it is not applicable."

::= { clmgmtLicenseInfoEntry  
16 }

clmgmtLicensePeriodUsed OBJECT-TYPE

SYNTAX Unsigned32

UNITS "seconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the time period used for the Right to use (RTU) licenses. This object is applicable for all RTU licenses."

::= { clmgmtLicenseInfoEntry 17 }

-- Licensable features information table.

clmgmtLicensableFeatureTable OBJECT-TYPE

SYNTAX SEQUENCE OF ClmgmtLicensableFeatureEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This table contains list of licensable features in the image. All the licensable features will have an entry each in this table irrespective of whether they are using any licenses currently. Entries in this table are created by the agent one for each licensable feature in the image. These entries remain in the table permanently and can not

be deleted. Management application can not create or delete entries from this table."

::= { clmgmtLicenseInformation 4 }

clmgmtLicensableFeatureEntry OBJECT-TYPE

SYNTAX ClmgmtLicensableFeatureEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in clmgmtLicensableFeatureTable. Each entry represents a licensable feature."

```
INDEX      {
            entPhysicalIndex,
            clmgmtFeatureIndex
          }
 ::= { clmgmtLicensableFeatureTable 1 }
```

```
ClmgmtLicensableFeatureEntry ::= SEQUENCE {
    clmgmtFeatureIndex      Unsigned32,
    clmgmtFeatureName      SnmpAdminString,
    clmgmtFeatureVersion    SnmpAdminString,
    clmgmtFeatureValidityPeriodRemaining Unsigned32,
    clmgmtFeatureWhatIsCounted SnmpAdminString,
    clmgmtFeatureStartDate  DateAndTime,
    clmgmtFeatureEndDate    DateAndTime,
    clmgmtFeaturePeriodUsed Unsigned32
}
```

clmgmtFeatureIndex OBJECT-TYPE

SYNTAX Unsigned32 (1..4294967295)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This object uniquely identifies a licensable feature in the device."

```
::= { clmgmtLicensableFeatureEntry 1 }
```

clmgmtFeatureName OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..128))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the name of the licensable feature in the device. Examples of feature names are: 'IPBASE', 'ADVIPSERVICE'"

```
::= { clmgmtLicensableFeatureEntry 2 }
```

clmgmtFeatureVersion OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..32))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the version of the licensable feature in the device. Examples

of feature versions

are: '1.0' or '2.0'"

::= { clmgmtLicensableFeatureEntry 3 }

clmgmtFeatureValidityPeriodRemaining OBJECT-TYPE

SYNTAX Unsigned32

UNITS "seconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the time period remaining before the feature's license expires or transitions. This object is applicable only if clmgmtLicenseType of the license used by this feature is demo(1), or extension(2) or gracePeriod(3) or evalRightToUse(8).

The object will contain 0 if other types of license is used or if the feature does not use any license. If the feature is using multiple licenses, this period will represent the cumulative period remaining from all the licenses used by this feature."

::= { clmgmtLicensableFeatureEntry 4 }

clmgmtFeatureWhatIsCounted OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..128))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object represents the entity that is being counted by this feature. Examples of entities are IP Phones, number of sessions etc. This object is only applicable for features that use counting licenses. For other features, this object will return empty string."

::= { clmgmtLicensableFeatureEntry 5 }

clmgmtFeatureStartDate OBJECT-TYPE

SYNTAX DateAndTime

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license start date of the feature. This object is applicable if at least one of the licenses used for this feature has a valid start date. The start date will be the earliest of the valid start dates of all the licenses used for this feature. If none of the licenses used for this feature have a valid start date then this object will contain an

octet string of length 0."  
 ::= { clmgmtLicensableFeatureEntry 6 }

clmgmtFeatureEndDate OBJECT-TYPE

SYNTAX DateAndTime

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license end date of the feature.  
 This object is applicable if at least one of the licenses used  
 for this feature has a valid end date. The end date will  
 be the latest of the valid end dates of all the licenses  
 used for this feature. If none of the licenses used for this  
 feature have a valid end date then this object will contain an  
 octet string of length 0."

::= { clmgmtLicensableFeatureEntry 7 }

clmgmtFeaturePeriodUsed OBJECT-TYPE

SYNTAX Unsigned32

UNITS "seconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the license period used for the feature."

::= { clmgmtLicensableFeatureEntry 8 }

--

MIB objects for exporting device credentials

clmgmtNextFreeDevCredExportActionIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object contains appropriate value for  
 clmgmtDevCredExportActionIndex that can be used to create  
 an entry in clmgmtDevCredExportActionTable. The management  
 application should read this object first and then use this  
 as the value for clmgmtDevCredExportActionIndex to avoid  
 collisions when creating entries in  
 clmgmtDevCredExportActionTable. Following this approach does  
 not guarantee collision free row creation, but will reduce  
 the probability. The collision will happen if two  
 management applications read this object at the same time and  
 attempt to create an entry with this value at the same time.  
 In this case, the management application whose request is

processed after the first request  
will get an error and the  
process of reading this object and entry creation needs to be  
repeated."

::= { clmgmtLicenseDeviceInformation 1 }

-- Table for triggering action to export device credentials.

clmgmtDevCredExportActionTable OBJECT-TYPE

SYNTAX SEQUENCE OF ClmgmtDevCredExportActionEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"A table for triggering device credentials export action.

Management application must create this entry to trigger the  
export of device credentials from the device to a file.

Once the request completes, the management application should  
retrieve the values of the objects of interest, and then  
delete the entry. In order to prevent old entries from  
clogging the table, entries will be aged out, but an entry  
will never be deleted within 5 minutes of completion."

::= { clmgmtLicenseDeviceInformation 2 }

clmgmtDevCredExportActionEntry

OBJECT-TYPE

SYNTAX ClmgmtDevCredExportActionEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry for each device credential export action that  
is being executed or was executed recently. The management  
application triggers the export by creating an entry in this  
table. This can be done in the following 2 methods

1. CREATE-AND-GO method

Management application sets clmgmtDevCredExportActionStatus  
to createAndGo(4) and all other required objects to valid  
values in a single SNMP SET request. If all the values  
are valid, the device creates the entry and executes the  
action. If the SET request fails, the entry will not be  
created.

2. CREATE-AND-WAIT method

Management application sets clmgmtDevCredExportActionStatus to  
createAndWait(5) to create an entry. Management application  
can set all other required objects to valid  
values in more than one SNMP SET request. If SET request  
for any of the objects fails, management application can set  
just only that object. Once all the required objects

are set to valid values, management application triggers action execution by setting `clmgmtDevCredExportActionStatus` to `active(1)`.

To stop the action from being executed, the management application can delete the entry by setting `clmgmtDevCredExportActionStatus` to `destroy(6)` when `clmgmtDevCredCommandState` is `pending(2)`.

The status of action execution can be known by querying `clmgmtDevCredCommandState`. If the action is still in `pending(2)` or `InProgress(3)`, the management application need to check back again after few seconds. Once the action completes and if status of the action is `failed(6)`, the reason for failure can be retrieved from `clmgmtDevCredCommandFailCause`.

Entry can be deleted except when `clmgmtLicenseAction` is set to `InProgress(3)`. All entries in this table are volatile and are cleared on agent reset."

```
INDEX      { clmgmtDevCredExportActionIndex }
 ::= { clmgmtDevCredExportActionTable 1 }
```

```
ClmgmtDevCredExportActionEntry ::= SEQUENCE {
    clmgmtDevCredExportActionIndex Unsigned32,
    clmgmtDevCredEntPhysicalIndex PhysicalIndexOrZero,
    clmgmtDevCredTransferProtocol ClmgmtLicenseTransferProtocol,
    clmgmtDevCredServerAddressType InetAddressType,
    clmgmtDevCredServerAddress InetAddress,
    clmgmtDevCredServerUsername SnmpAdminString,
    clmgmtDevCredServerPassword SnmpAdminString,
    clmgmtDevCredExportFile SnmpAdminString,
    clmgmtDevCredCommand INTEGER,
    clmgmtDevCredCommandState ClmgmtLicenseActionState,
    clmgmtDevCredCommandFailCause INTEGER,
    clmgmtDevCredStorageType
    StorageType,
    clmgmtDevCredRowStatus RowStatus
}
```

`clmgmtDevCredExportActionIndex` OBJECT-TYPE

SYNTAX Unsigned32 (1..4294967295)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This object uniquely identifies a row in `clmgmtDevCredExportActionTable`. The management application chooses this value by reading `clmgmtNextFreeDevCredExportActionIndex` while creating an

entry in this table. If an entry already exists with this index, the creation of the entry will not continue and error will be returned. The management application should read the value of clmgmtNextFreeDevCredExportActionIndex again and retry with the new value for this object."

::= { clmgmtDevCredExportActionEntry 1 }

#### clmgmtDevCredEntPhysicalIndex OBJECT-TYPE

SYNTAX PhysicalIndexOrZero

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object represents the entPhysicalIndex of the device for which the device credentials are being retrieved. This object is mainly used in devices where one device is acting as a master and rest of the devices as slaves. The master device is responsible for SNMP communication with the manager. Examples include stackable switches, devices with router processor and line cards.

Note: This object need not be set if it is a stand alone device"

DEFVAL { 0 }

::= { clmgmtDevCredExportActionEntry 2 }

#### clmgmtDevCredTransferProtocol OBJECT-TYPE

SYNTAX ClmgmtLicenseTransferProtocol

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object indicates the transfer protocol to be used when copying files as specified in the following objects.

1. clmgmtDevCredExportFile

."

DEFVAL { none }

::= { clmgmtDevCredExportActionEntry  
3 }

#### clmgmtDevCredServerAddressType OBJECT-TYPE

SYNTAX InetAddressType

MAX-ACCESS read-create

STATUS current

#### DESCRIPTION

"This object indicates the transport type of the address contained in clmgmtDevCredServerAddress object.

This must be set when clmgmtDevCredTransferProtocol is not none(1) or local(2)."

DEFVAL { unknown }

::= { clmgmtDevCredExportActionEntry 4 }

clmgmtDevCredServerAddress OBJECT-TYPE

SYNTAX InetAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the the ip address of the server from which the files must be read or written to if clmgmtDevCredTransferProtocol is not none(1) or local(2).

All bits as 0s or 1s for clmgmtDevCredServerAddress are not allowed.

The format of this address depends on the value of the clmgmtDevCredServerAddressType

object"

DEFVAL { "" }

::= { clmgmtDevCredExportActionEntry 5 }

clmgmtDevCredServerUsername OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..96))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the remote user name for accessing files via ftp, rcp, sftp or scp protocols. This object must be set when the clmgmtDevCredTransferProtocol is ftp(4), rcp(5), scp(7) or sftp(8). If clmgmtDevCredTransferProtocol is rcp(5), the remote username is sent as the server username in an rcp command request sent by the system to a remote rcp server."

DEFVAL { "" }

::= { clmgmtDevCredExportActionEntry 6 }

clmgmtDevCredServerPassword OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..96))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the password used by ftp, sftp or scp for copying a file to/from an ftp/sftp/scp server.

This object must be set when the clmgmtDevCredTransferProtocol is ftp(4) or scp(7) or sftp(8). Reading it returns a zero-length string for security reasons."

DEFVAL { "" }



::= { clmgmtDevCredExportActionEntry 7 }

clmgmtDevCredExportFile OBJECT-TYPE

SYNTAX SnmpAdminString (SIZE (0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object represents file where device credentials needs to be exported to."

::= { clmgmtDevCredExportActionEntry 8 }

clmgmtDevCredCommand OBJECT-TYPE

SYNTAX INTEGER {  
noOp(1),  
getDeviceCredentials(2)  
}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the the command to be executed.

Command	Remarks
---------	---------

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

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

noOp(1)	No operation will be performed.
---------	---------------------------------

getDeviceCredentials(2)	Exports device credentials"
-------------------------	-----------------------------

DEFVAL { noOp }

::= { clmgmtDevCredExportActionEntry 9 }

clmgmtDevCredCommandState OBJECT-TYPE

SYNTAX ClmgmtLicenseActionState

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the state of the action that is executed as a result of setting clmgmtDevCredRowStatus to active(1)."

::= { clmgmtDevCredExportActionEntry 10 }

clmgmtDevCredCommandFailCause OBJECT-TYPE

SYNTAX INTEGER {  
none(1),  
unknownError(2),  
transferProtocolNotSupported(3),  
fileServerNotReachable(4),  
unrecognizedEntPhysicalIndex(5),

invalidFile(6)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This object indicates the the reason for device credentials export operation failure.

The value of this object is valid only when clmgmtDevCredCommandState is failed(6).

none(1) - action execution has not started yet.

If the action is completed and the action is successful, then also none(1) is returned to indicate that there are no errors.

unknownError(2) - reason for failure is unknown, operation failed, no operation is performed

transferProtocolNotSupported(3) - clmgmtDevCredTransferProtocol given is not supported.

fileServerNotReachable(4) - file server is not reachable.

unrecognizedEntPhysicalIndex(5) - entPhysicalIndex

is not

valid

invalidFile(6) - The target file specified is not valid."

::= { clmgmtDevCredExportActionEntry 11 }

clmgmtDevCredStorageType OBJECT-TYPE

SYNTAX StorageType

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the storage type for this conceptual row. Conceptual rows having the value 'permanent' need not allow write-access to any columnar objects in the row."

DEFVAL { volatile }

::= { clmgmtDevCredExportActionEntry 12 }

clmgmtDevCredRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This object indicates the the status of this table entry.

Once the entry status is set to active(1), the associated entry cannot be modified until the action completes

clmgmtDevCredCommandStatus is set to a value other than inProgress(3)). Once the action completes the only operation possible after this is to delete the row.

clmgmtDevCredExportFile is a mandatory object to be set when creating this entry."

```
::= { clmgmtDevCredExportActionEntry 13 }
```

-- Objects for enabling/disabling notifications

clmgmtLicenseUsageNotifEnable OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object indicates whether the device should generate the notifications related to usage of licenses. This object enables/disables sending following notifications:

- clmgmtLicenseExpired
- clmgmtLicenseExpiryWarning
- clmgmtLicenseUsageCountExceeded
- clmgmtLicenseUsageCountAboutToExceed
- clmgmtLicenseSubscriptionExpiryWarning
- clmgmtLicenseSubscriptionExtExpiryWarning
- clmgmtLicenseSubscriptionExpired
- clmgmtLicenseEvalRTUTransitionWarning
- clmgmtLicenseEvalRTUTransition"

DEFVAL { true }

```
::= { clmgmtLicenseNotifObjects 1 }
```

clmgmtLicenseDeploymentNotifEnable OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object indicates whether the device should generate notifications related to license deployment. This object enables/disables sending following notifications:

- clmgmtLicenseInstalled
- clmgmtLicenseCleared
- clmgmtLicenseRevoked
- clmgmtLicenseEULAAccepted"

DEFVAL { true }

```
::= { clmgmtLicenseNotifObjects 2 }
```

clmgmtLicenseErrorNotifEnable OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This object indicates whether the device should generate notifications related to error conditions in enforcing licensing. This object enables/disables sending following notifications:

clmgmtLicenseNotEnforced"

DEFVAL { true }

::= { clmgmtLicenseNotifObjects 3 }

-- Notifications

clmgmtLicenseExpired NOTIFICATION-TYPE

OBJECTS {  
    clmgmtFeatureName,  
    clmgmtFeatureVersion  
}

STATUS current

DESCRIPTION

"This notification is sent, when a feature license expires. This notification will be sent continuously every week even after the expiry to alert the management application."

::= { ciscoLicenseMgmtMIBNotifs 1 }

clmgmtLicenseExpiryWarning NOTIFICATION-TYPE

OBJECTS {  
    clmgmtFeatureName,  
    clmgmtFeatureVersion,  
    clmgmtFeatureValidityPeriodRemaining  
}

STATUS current

DESCRIPTION

"This notification is sent when a license is about to

expire. This notification will go out multiple times.

First notification goes out when expiry day is 4 weeks ahead, second notification when expiry day is 3 weeks ahead, third notification when expiry day is 2 weeks ahead. This notification will go out daily in the last week of license expiry."

::= { ciscoLicenseMgmtMIBNotifs 2 }

clmgmtLicenseUsageCountExceeded NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtLicenseFeatureName,
    clmgmtLicenseFeatureVersion,
    clmgmtLicenseMaxUsageCount,
    clmgmtFeatureWhatIsCounted,
    clmgmtLicenseComments
}
STATUS     current
DESCRIPTION
    "This notification is sent when clmgmtLicenseUsageCountRemaining
    has reached clmgmtLicenseMaxUsageCount for a counting license."
::= { ciscoLicenseMgmtMIBNotifs 3 }
```

clmgmtLicenseUsageCountAboutToExceed NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtLicenseFeatureName,
    clmgmtLicenseFeatureVersion,
    clmgmtLicenseMaxUsageCount,
    clmgmtLicenseUsageCountRemaining,
    clmgmtFeatureWhatIsCounted,
    clmgmtLicenseComments
}
STATUS     current
DESCRIPTION
    "This notification is sent when clmgmtLicenseUsageCountRemaining
    has reached 80% of clmgmtLicenseMaxUsageCount for a counting
    license. This is a warning notification to the management
    application that very soon the maximum count will be reached
    and after that the device will not allow new entities to
    make use of this license."
::= { ciscoLicenseMgmtMIBNotifs 4 }
```

clmgmtLicenseInstalled NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtLicenseFeatureName,
    clmgmtLicenseFeatureVersion,

    clmgmtLicenseType,
    clmgmtLicenseComments
}
STATUS     current
DESCRIPTION
    "This notification is sent when a license is installed
    successfully."
::= { ciscoLicenseMgmtMIBNotifs 5 }
```

clmgmtLicenseCleared NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtLicenseFeatureName,
    clmgmtLicenseFeatureVersion,
    clmgmtLicenseType,
    clmgmtLicenseComments
}
STATUS     current
DESCRIPTION
    "This notification is sent when a license is cleared
    successfully."
::= { ciscoLicenseMgmtMIBNotifs 6 }
```

#### clmgmtLicenseRevoked NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtLicenseFeatureName,
    clmgmtLicenseFeatureVersion,
    clmgmtLicenseType,
    clmgmtLicenseComments
}
STATUS     current
DESCRIPTION
    "This notification is sent when a license is revoked
    successfully."
::= { ciscoLicenseMgmtMIBNotifs 7 }
```

#### clmgmtLicenseEULAAccepted NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtFeatureName,
    clmgmtFeatureVersion
}
STATUS     current
DESCRIPTION
    "This notification is sent when a user accepts End User
    License Agreement (EULA) for a license."
::= { ciscoLicenseMgmtMIBNotifs 8 }
```

#### clmgmtLicenseNotEnforced NOTIFICATION-TYPE

```
OBJECTS    {
    clmgmtFeatureName,
    clmgmtFeatureVersion
}
STATUS     current
DESCRIPTION
    "This notification is sent when a license does not
    exist for a feature, but the feature is a mandatory
    feature and it should run. This notification will be
    sent out periodically to indicate that there is no
```

license installed for this feature and it needs to  
be done as soon as possible."  
::= { ciscoLicenseMgmtMIBNotifs 9 }

#### clmgmtLicenseSubscriptionExpiryWarning NOTIFICATION-TYPE

OBJECTS {  
    clmgmtFeatureName,  
    clmgmtFeatureVersion,  
    clmgmtFeatureEndDate  
}

STATUS current

#### DESCRIPTION

"This notification is sent when a subscription license of a  
feature is about to expire. This notification will be sent as  
per the following schedule:

Once a week for the last eight weeks

Once a day for the last week

Once a hour for the last day"

::= { ciscoLicenseMgmtMIBNotifs 10 }

#### clmgmtLicenseSubscriptionExtExpiryWarning NOTIFICATION-TYPE

OBJECTS {  
    clmgmtFeatureName,  
    clmgmtFeatureVersion,  
    clmgmtFeatureEndDate  
}

STATUS

current

#### DESCRIPTION

"This notification is sent when the subscription license end  
date of a feature is reached but extension period is left. This  
notification will be sent once a day after the license end date  
is reached."

::= { ciscoLicenseMgmtMIBNotifs 11 }

#### clmgmtLicenseSubscriptionExpired NOTIFICATION-TYPE

OBJECTS {  
    clmgmtFeatureName,  
    clmgmtFeatureVersion,  
    clmgmtFeatureEndDate  
}

STATUS current

#### DESCRIPTION

"This notification will be sent after a subscription license  
of a feature completely expires. It will be sent once a day  
after the license has completely expired"

::= { ciscoLicenseMgmtMIBNotifs 12 }

clmgmtLicenseEvalRTUTransitionWarning NOTIFICATION-TYPE

```
OBJECTS    {
            clmgmtFeatureName,
            clmgmtFeatureVersion,
            clmgmtFeatureValidityPeriodRemaining
        }
```

STATUS current

DESCRIPTION

"This notification is sent when Evaluation to Right to use (RTU) license transition is about to happen. The first notification will be sent 10 days before the transition and second notification will be sent 5 days before the transition."

::= { ciscoLicenseMgmtMIBNotifs 13 }

clmgmtLicenseEvalRTUTransition NOTIFICATION-TYPE

```
OBJECTS    {
            clmgmtFeatureName,
            clmgmtFeatureVersion
        }
```

STATUS current

DESCRIPTION

"This notification is sent, when a feature license transitions from a evaluation to a Right to use (RTU) license."

::= { ciscoLicenseMgmtMIBNotifs 14 }

-- Conformance

ciscoLicenseMgmtCompliances OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIBConform 1 }

ciscoLicenseMgmtGroups OBJECT IDENTIFIER

::= { ciscoLicenseMgmtMIBConform 2 }

ciscoLicenseMgmtCompliance

MODULE-COMPLIANCE

STATUS deprecated

DESCRIPTION

"Compliance statement for Cisco license mgmt MIB."

MODULE -- this module

```
MANDATORY-GROUPS {
            clmgmtLicenseDeploymentGroup,
            clmgmtLicenseDeviceInformationGroup,
            clmgmtLicenseInformationGroup,
            clmgmtLicensableFeatureInformationGroup,
            clmgmtLicenseDevCredGroup,
            clmgmtLicenseNotificationEnableGroup,
            clmgmtLicenseUsageNotifGroup,
        }
```



```
    clmgmtLicenseDeploymentNotifGroup,  
    clmgmtLicenseErrorNotifGroup  
}
```

```
GROUP      clmgmtLicenseStoreInformationGroup
```

```
DESCRIPTION
```

```
"This group is mandatory for all devices where  
multiple license stores are supported."
```

```
::= { ciscoLicenseMgmtCompliances 1 }
```

```
ciscoLicenseMgmtComplianceRev1 MODULE-COMPLIANCE
```

```
STATUS      current
```

```
DESCRIPTION
```

```
"Compliance statement for Cisco license mgmt MIB."
```

```
MODULE      -- this module
```

```
MANDATORY-GROUPS {
```

```
    clmgmtLicenseDeploymentGroup,  
    clmgmtLicenseDeviceInformationGroup,  
    clmgmtLicenseInformationGroup,  
    clmgmtLicensableFeatureInformationGroup,  
    clmgmtLicenseDevCredGroup,  
    clmgmtLicenseNotificationEnableGroup,  
    clmgmtLicenseUsageNotifGroup,  
    clmgmtLicenseDeploymentNotifGroup,  
    clmgmtLicenseErrorNotifGroup
```

```
}
```

```
GROUP      clmgmtLicenseStoreInformationGroup
```

```
DESCRIPTION
```

```
"This group is mandatory for all devices where  
multiple license stores are supported."
```

```
GROUP      clmgmtLicenseSubscriptionGroup
```

```
DESCRIPTION
```

```
"This object group is mandatory for all devices  
that  
support subscription licensing."
```

```
GROUP      clmgmtLicenseSubscriptionUsageNotifGroup
```

```
DESCRIPTION
```

```
"This notification group is mandatory for all devices that  
support subscription licensing."
```

```
GROUP      clmgmtLicenseRTUGroup
```

```
DESCRIPTION
```

```
"This object group is mandatory for all devices that  
support Right to Use (RTU) licensing."
```

GROUP cmgmtLicenseRTUUsageNotifGroup  
DESCRIPTION  
"This notification group is mandatory for all devices that  
support Right to use (RTU) licensing."  
::= { ciscoLicenseMgmtCompliances 2 }

-- Units of Conformance

cmgmtLicenseDeploymentGroup OBJECT-GROUP

OBJECTS {  
cmgmtNextFreeLicenseActionIndex,  
cmgmtLicenseActionEntPhysicalIndex,  
cmgmtLicenseActionTransferProtocol,  
cmgmtLicenseServerAddressType,  
cmgmtLicenseServerAddress,  
cmgmtLicenseServerUsername,  
cmgmtLicenseServerPassword,  
cmgmtLicenseFile,  
cmgmtLicenseStore,  
cmgmtLicenseActionLicenseIndex,  
cmgmtLicensePermissionTicketFile,  
cmgmtLicenseRehostTicketFile,  
cmgmtLicenseBackupFile,  
cmgmtLicenseStopOnFailure,  
cmgmtLicenseAction,  
cmgmtLicenseActionState,  
cmgmtLicenseJobQPosition,  
cmgmtLicenseActionFailCause,  
cmgmtLicenseActionStorageType,  
cmgmtLicenseActionRowStatus,  
cmgmtLicenseIndivActionState,  
cmgmtLicenseIndivActionFailCause,  
cmgmtLicenseAcceptEULA,  
cmgmtLicenseEULAFile

}

STATUS current

DESCRIPTION

"A collection of objects for performing license deployment  
i.e., license installation, clear and revoke"  
::= { ciscoLicenseMgmtGroups 1 }

cmgmtLicenseStoreInformationGroup OBJECT-GROUP

OBJECTS {  
cmgmtLicenseStoreName,  
cmgmtLicenseStoreTotalSize,  
cmgmtLicenseStoreSizeRemaining  
}

STATUS current  
DESCRIPTION  
"A collection of objects that provide information about  
license storages in the device."  
::= { ciscoLicenseMgmtGroups 2 }

clmgmtLicenseDeviceInformationGroup OBJECT-GROUP  
OBJECTS { clmgmtDefaultLicenseStore }  
STATUS current  
DESCRIPTION  
"A collection of objects that provide information about  
device level licensing support information in the device."  
::= { ciscoLicenseMgmtGroups 3 }

clmgmtLicenseInformationGroup OBJECT-GROUP  
OBJECTS {  
clmgmtLicenseFeatureName,  
clmgmtLicenseFeatureVersion,  
clmgmtLicenseType,  
clmgmtLicenseCounted,  
clmgmtLicenseValidityPeriod,  
clmgmtLicenseValidityPeriodRemaining,  
clmgmtLicenseExpiredPeriod,  
clmgmtLicenseMaxUsageCount,  
clmgmtLicenseUsageCountRemaining,  
clmgmtLicenseEULAStatus,  
clmgmtLicenseComments,  
clmgmtLicenseStatus  
}  
STATUS current  
DESCRIPTION  
"A collection of objects that provide information about  
licenses and its state."  
::= { ciscoLicenseMgmtGroups 4 }

clmgmtLicensableFeatureInformationGroup OBJECT-GROUP  
OBJECTS {  
clmgmtFeatureName,  
clmgmtFeatureVersion,  
  
clmgmtFeatureValidityPeriodRemaining,  
clmgmtFeatureWhatIsCounted  
}  
STATUS current  
DESCRIPTION  
"A collection of objects that provide information about  
licensable features in the software image."  
::= { ciscoLicenseMgmtGroups 5 }

clmgmtLicenseDevCredGroup OBJECT-GROUP

```
OBJECTS    {
    clmgmtNextFreeDevCredExportActionIndex,
    clmgmtDevCredEntPhysicalIndex,
    clmgmtDevCredTransferProtocol,
    clmgmtDevCredServerAddressType,
    clmgmtDevCredServerAddress,
    clmgmtDevCredServerUsername,
    clmgmtDevCredServerPassword,
    clmgmtDevCredExportFile,
    clmgmtDevCredCommand,
    clmgmtDevCredCommandState,
    clmgmtDevCredCommandFailCause,

    clmgmtDevCredStorageType,
    clmgmtDevCredRowStatus
}
```

STATUS current

DESCRIPTION

"A collection of objects for exporting device credentials from the device."

::= { ciscoLicenseMgmtGroups 6 }

clmgmtLicenseNotificationEnableGroup OBJECT-GROUP

```
OBJECTS    {
    clmgmtLicenseUsageNotifEnable,
    clmgmtLicenseDeploymentNotifEnable,
    clmgmtLicenseErrorNotifEnable
}
```

STATUS current

DESCRIPTION

"A collection of objects for controlling (enabling/disabling) license notifications to a management application."

::= { ciscoLicenseMgmtGroups 7 }

clmgmtLicenseUsageNotifGroup NOTIFICATION-GROUP

```
NOTIFICATIONS {
    clmgmtLicenseExpired,
    clmgmtLicenseExpiryWarning,
    clmgmtLicenseUsageCountExceeded,

    clmgmtLicenseUsageCountAboutToExceed
}
```

STATUS current

DESCRIPTION

"A collection of notifications related to license usage."

::= { ciscoLicenseMgmtGroups 8 }

clmgmtLicenseDeploymentNotifGroup NOTIFICATION-GROUP

NOTIFICATIONS {  
    clmgmtLicenseInstalled,  
    clmgmtLicenseCleared,  
    clmgmtLicenseRevoked,  
    clmgmtLicenseEULAAccepted  
}

STATUS current

DESCRIPTION

"A collection of notifications related to license deployment."

::= { ciscoLicenseMgmtGroups 9 }

clmgmtLicenseErrorNotifGroup NOTIFICATION-GROUP

NOTIFICATIONS { clmgmtLicenseNotEnforced }

STATUS current

DESCRIPTION

"A collection of notifications related to license errors."

::= { ciscoLicenseMgmtGroups 10 }

clmgmtLicenseSubscriptionGroup OBJECT-GROUP

OBJECTS {  
    clmgmtLicenseStartDate,  
    clmgmtLicenseEndDate,  
    clmgmtFeatureStartDate,  
    clmgmtFeatureEndDate  
}

STATUS current

DESCRIPTION

"A collection of objects that provide information specific to subscription licenses."

::= { ciscoLicenseMgmtGroups 11 }

clmgmtLicenseSubscriptionUsageNotifGroup NOTIFICATION-GROUP

NOTIFICATIONS {  
    clmgmtLicenseSubscriptionExpiryWarning,  
    clmgmtLicenseSubscriptionExtExpiryWarning,  
    clmgmtLicenseSubscriptionExpired  
}

STATUS current

DESCRIPTION

"A collection of notifications related to usage of subscription licenses."

::= { ciscoLicenseMgmtGroups 12 }

clmgmtLicenseRTUGroup OBJECT-GROUP

OBJECTS {

```

        clmgmtLicensePeriodUsed,
        clmgmtFeaturePeriodUsed
    }
    STATUS      current
    DESCRIPTION
        "A collection of objects that provide information specific to
        Right to use (RTU) licenses."
    ::= { ciscoLicenseMgmtGroups 13 }

clmgmtLicenseRTUUsageNotifGroup NOTIFICATION-GROUP
NOTIFICATIONS {
    clmgmtLicenseEvalRTUTransitionWarning,
    clmgmtLicenseEvalRTUTransition
}
STATUS      current
DESCRIPTION
    "A collection of notifications related to Right to use (RTU)
    licenses."
    ::= { ciscoLicenseMgmtGroups 14 }

END

```

```
--%DNP% MLC -Edit MLC
```

```
--%DNP% MTF -TRUE MTF
```

# 1.202 prometheus-procfs 0.7.3

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

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## 1.203 gcfg 1.5.0

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## 1.205 jbenet-go-context 0.0.0-20150711004518-d14ea06fba99

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## 1.206 xanzy-ssh-agent 0.3.0

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## 1.207 blevesearch-go-porterstemmer 1.0.3

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# 1.216 protonmail-go-crypto 0.0.0-

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# 1.217 go-billy 5.3.1

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## 1.219 jpillora-backoff 1.0.0

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## 1.221 linkedin-goavro 2.10.0

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## 1.222 influxdata-line-protocol 0.0.0-20210311194329-9aa0e372d097

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## 1.223 sqlhooks 1.3.0

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

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# 1.225 mattetti-filebuffer 1.0.1

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# 1.226 fzambia-sentinel 1.1.0

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# 1.238 go-socket-io 0.0.0-20170525141029-5447e71f36d3

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## 1.239 sqlx 1.3.4

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## 1.240 tdb 1.45.5

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## 1.245 cockroachdb-apd 2.0.2

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## 1.248 sergi-go-diff 1.2.0

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Danny Yoo <dannyoo@google.com>

James Kolb <jkolb@google.com>

Jonathan Amsterdam <jba@google.com>

Markus Zimmermann <markus.zimmermann@nethead.at> <markus.zimmermann@symflower.com>  
<zimmski@gmail.com>

Matt Kovars <akaskik@gmail.com>

rjan Persson <orjan@spotify.com>

Osman Masood <oamasood@gmail.com>

Robert Carlsen <rwcarlsen@gmail.com>

Rory Flynn <roryflynn@users.noreply.github.com>

Sergi Mansilla <sergi.mansilla@gmail.com>

Shatrugna

Sadhu <ssadhu@apcera.com>

Shawn Smith <shawnsmith@gmail.com>

Stas Maksimov <maksimov@gmail.com>

Tor Arvid Lund <torarvid@gmail.com>

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## 1.249 golang-set 1.7.1

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## 1.257 com 1.0.1

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## 1.258 gofpdf 1.16.2

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## 1.261 prometheus-common 0.32.1

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immerrr again  
Alexander Artemenko  
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A. HISTORY OF THE SOFTWARE

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

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

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

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes



2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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## 1.272 go-autorest-tracing 0.6.0

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## 1.273 mattermost-xml-roundtrip-validator

### 0.1.0

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## 1.274 antchfx-xpath 1.2.0

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lib/erl/src/Makefile.am

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For the aclocal/ax\_boost\_base.m4 and contrib/fb303/aclocal/ax\_boost\_base.m4  
components:

```
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```

-----  
For the lib/nodejs/lib/thrift/json\_parse.js:

```
/*
  json_parse.js
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```

\*/  
(By Douglas Crockford <douglas@crockford.com>)

-----  
For lib/cpp/src/thrift/windows/SocketPair.cpp

```
/* socketpair.c
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 */
```

-----  
For lib/py/compat/win32/stdint.h

```
// ISO C9x compliant stdint.h for Microsoft Visual Studio
// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124
//
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////////////////////////////////////
```

-----  
Codegen template

in t\_html\_generator.h

\* Bootstrap v2.0.3

\*

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\* Designed and built with all the love in the world @twitter by @mdo and @fat.

-----  
For t\_cl\_generator.cc

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## 1.277 mna-redisc 1.3.2

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## 1.278 go-immutable-radix 1.3.1

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- src/basic/siphash24.h
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## ## OpenSSL Notes

Note that building the systemd project with OpenSSL does not affect the libsystemd.so shared library, which is not linked with the OpenSSL library.

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## 1.281 go-runewidth 0.0.13

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## 1.282 lib-pq 1.10.4

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```
//go:build go1.10
// +build go1.10
```

```
package pq
```



```

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
}

```

```

return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
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```

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## 1.284 popt 1.16-14

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## 1.285 jackc-pgproto 2.2.0

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## 1.286 uap-go 0.0.0-2021112212520-00c877edfe0f

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## 1.287 importlib-metadata 4.11.1

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## 1.288 base-files 11ubuntu5.5

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

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

The hypothetical commands `show w' and `show c' should show the  
appropriate parts of the General Public License.

Of course, the  
commands you use may be called something other than `show w' and `show  
c'; they could even be mouse-clicks or menu items--whatever suits your  
program.

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

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the  
program `Gnomovision' (a program to direct compilers to make passes  
at assemblers) written by James Hacker.
```

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

That's all there is to it!

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The

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```
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```

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The End

## 1.289 cyrus-sasl 2.1.27+dfsg-2ubuntu0.1

### 1.289.1 Available under license :

```
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 * Tim Martin
 * Rob Earhart
 * Rob Siemborski
 */
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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Cyrus SASL

Source: <ftp://ftp.cyrusimap.org/cyrus-sasl/>

Files-Excluded: dlcompat-20010505

doc/rfc\*

doc/draft\*

Files: \*

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Files: debian/\*

Copyright: 2002-2004, Dima Barsky <dima@debian.org>

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Files: debian/saslfinder/\*

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

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

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

All

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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)

2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now	PSF	yes

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Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <lasse.collin@tukaani.org>

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

Source:

<https://tukaani.org/xz>

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

Comment:

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

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

Subject: Re: XZ utils for Debian

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

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

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[...]

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changelog.gz (commit 975d8fd) explains:

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

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

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configure.ac:

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comments from Autoconf 2.52g:

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dos/config.h was generated with autoheader, which tells Autoconf to  
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Files: po/Makevars

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

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## 1.305 pcre 8.39-12build1

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This is Debian GNU/Linux's prepackaged version of the PCRE regular  
expression library and associated `pgrep` utility.

This package was put together by me, Mark Baker <[mbaker@iee.org](mailto:mbaker@iee.org)> from the  
original sources obtained from `ftp.csx.cam.ac.uk:/pub/software/programming/pcre`.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions.

## THE BASIC LIBRARY FUNCTIONS

-----

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

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## THE C++ WRAPPER FUNCTIONS

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## 1.306 klauspost-compress 1.15.0

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# 1.308 bash 5.0-6ubuntu1.2

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Date: Fri, 6 Jun 2003 10:18:52 -0700  
From: Juan Gomez <juang@us.ibm.com>  
To: Stephen Frost <sfrost@debian.org>  
X-Mailer: Lotus Notes Release 5.0.2a (Intl) 23 November 1999  
Subject: Re: Juan C. Gomez license in OpenLDAP Source

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Date: Thu, 5 Jun 2003 16:53:32 -0400 (EDT)  
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To: Stephen Frost <sfrost@debian.org>  
Subject: Re: Mark Adamson license in OpenLDAP source

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\* Subject: Re: OpenLDAP Licenseing issues  
\* From: "Kurt D. Zeilenga" <Kurt@OpenLDAP.org>  
\* Date: Wed, 28 May 2003 10:55:44 -0700  
\* Cc: Steve Langasek <vorlon@netexpress.net>,debian-legal@lists.debian.org, openldap-devel@OpenLDAP.org  
\* In-reply-to: <20030528162613.GB8524@ns.snowman.net>  
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# 1.354 go-openapi-jsonreference 0.20.0

## 1.354.1 Available under license :

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Version 2.0, January 2004

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# 1.355 e2fsprogs 1.45.5-2ubuntu1.1

## 1.355.1 Available under license :

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

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

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This 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>.

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

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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)
```

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

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Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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Index: tdbsa/tdb.c

-----  
--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

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

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

\*/

/\*

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

- trivial database library - private includes

-

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Gadi Oxman, August 1995

-----  
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```
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```

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```
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Theodore Ts'o

23-June-2007

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

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

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Gadi Oxman, August 1995

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```
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```

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```

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```
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```

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

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This is the Debian GNU/Linux prepackaged version of the 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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Theodore Ts'o  
23-June-2007

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```

```
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```

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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:

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

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

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

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

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```

```
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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## 1.361 libkeyutils 1.6-6ubuntu1.1

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Upstream-Contact: David Howells <dhowells@redhat.com>

Source: <http://people.redhat.com/~dhowells/keyutils/>

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/binder\_security\_policy.h  
\*  
/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/event\_engine/event\_engine.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/test/complicated.proto  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/test/simpler.proto  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/authorization\_policy\_provider.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/ext/admin\_services.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/tls\_certificate\_verifier.h  
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- \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/server\_interface.h
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* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-
1.47.0/grpc_root/include/grpc++/impl/channel_argument_option.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-
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* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-
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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc++/impl/codegen/time.h  
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- \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/server\_callback.h
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- \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/sync\_stream.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/create\_channel\_posix.h

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Metadata-Version: 1.2

Name: grpcio-tools

Version: 1.47.0

Summary: Protobuf code generator for gRPC

Home-page: <https://grpc.io>

Author: The gRPC Authors

Author-email: [grpc-io@googlegroups.com](mailto:grpc-io@googlegroups.com)

License: Apache License 2.0

Description: gRPC Python Tools

=====

Package for gRPC Python tools.

Supported Python Versions

-----

Python >= 3.6

Installation

-----

The gRPC Python tools package is available for Linux, Mac OS X, and Windows.

Installing From PyPI

~~~~~

If you are installing locally...

::

\$ pip install grpcio-tools

Else system wide (on Ubuntu)...

::

\$ sudo pip install grpcio-tools

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

::

```
$ pip.exe install grpcio-tools
```

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!

You might also need to install Cython to handle installation via the source distribution if gRPC Python's system coverage with wheels does not happen to include your system.

#### Installing From Source

~~~~~

Building from source requires that you have the Python headers (usually a package named `python-dev`) and Cython installed. It further requires a GCC-like compiler to go smoothly; you can probably get it to work without GCC-like stuff, but you may end up having a bad time.

::

```
$ export REPO_ROOT=grpc # REPO_ROOT can be any directory of your choice
$ git clone -b RELEASE_TAG_HERE https://github.com/grpc/grpc $REPO_ROOT
$ cd $REPO_ROOT
$ git submodule update --init

$ cd tools/distrib/python/grpcio_tools
$ python ../make_grpcio_tools.py

# For the next command do `sudo pip install` if you get permission-denied errors
$ 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:`

```
pip install --ignore-installed $OFFENDING_DEPENDENCY`
```

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

```
::
```

```
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:

```
::
```

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

```
* **... see compiler errors
```

```
on some platforms when either installing from source or from the source distribution**
```

If you see

```
::
```

```
/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
```

If you see something similar to:

```
::
```

third\_party/protobuf/src/google/protobuf/stubs/mathlimits.h:173:31: note: in expansion of macro 'SIGNED\_INT\_MAX'

```
static const Type kPosMax = SIGNED_INT_MAX(Type); \\
    ^
```

And your toolchain is GCC (at the time of this writing, up through at least GCC 6.0), this is probably a bug where GCC chokes on constant expressions when the `-fwrapv` flag is specified. You should consider setting your environment with `CFLAGS=-fno-wrapv` or using clang (`CC=clang`).

## Usage

----

Given protobuf include directories `$INCLUDE`, an output directory `$OUTPUT`, and proto files `$PROTO_FILES`, invoke as:

::

```
$ python -m grpc_tools.protoc -I$INCLUDE --python_out=$OUTPUT --grpc_python_out=$OUTPUT $PROTO_FILES
```

To use as a build step in distutils-based projects, you may use the provided command class in your `setup.py`:

::

```
setuptools.setup(
    # ...
    cmdclass={
        'build_proto_modules': grpc_tools.command.BuildPackageProtos,
    }
    # ...
)
```

Invocation of the command will walk the project tree and transpile every `.proto` file into a `_pb2.py` file in the same directory.

Note that this particular approach requires `grpcio-tools` to be installed on the machine before the setup script is invoked (i.e. no combination of `setup_requires` or `install_requires` will provide access to `grpc_tools.command.BuildPackageProtos` if it isn't already installed). One way to work around this can be found in our `grpcio-health-checking` package <<https://pypi.python.org/pypi/grpcio-health-checking>>:

::

```

class BuildPackageProtos(setuptools.Command):
    """Command to generate project *_pb2.py modules from proto files."""
    # ...
    def run(self):
        from grpc_tools import command
        command.build_package_protos(self.distribution.package_dir[""])

```

Now including `:code:`grpcio-tools`` in `:code:`setup_requires`` will provide the `command` on-setup as desired.

For more information on command classes, consult `:code:`distutils`` and `:code:`setuptools`` documentation.

```

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 3
Classifier: License :: OSI Approved :: Apache Software License
Requires-Python: >=3.6

```

Found in path(s):

```

* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/PKG-INFO
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpcio_tools.egg-info/PKG-INFO

```

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```

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// distributed under the License is distributed on an "AS IS" BASIS,
// version.

```

Found in path(s):

```

* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpc/event_engine/slice.h

```

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

```

/* "grpc_tools/_protoc_compiler.pyx":1
* # Copyright 2020 The gRPC authors.          # <<<<<<<<<<<<<<<<<<<
* #
* # Licensed under the Apache License, Version 2.0 (the "License");
*/

```

Found in path(s):

```

* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_tools/_protoc_compiler.cpp

```

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

```
/*
 *
 * Copyright 2019 gRPC authors.
 *
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 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

Found in path(s):

```
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/opencensus.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/support/message_allocator.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/impl/codegen/sync.h
*
/opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/test/default_reactor_test_peer.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/support/validate_service_config.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/security/tls_credentials_options.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/security/alts_context.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/impl/codegen/delegating_channel.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/impl/codegen/message_allocator.h
*
/opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/impl/codegen/server_context.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/include/grpcpp/security/alts_util.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc_root/src/compiler/config_protobuf.h
* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-
```

1.47.0/grpc\_root/src/compiler/cpp\_plugin.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-

1.47.0/grpc\_root/include/grpcpp/security/cronet\_credentials.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/testing/googletest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_proto/google/protobuf/descriptor.proto

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/any.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_lite.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/python/python\_plugin\_unittest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/dynamic\_message.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer\_unittest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message\_field.cc

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_parse\_function\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_string\_field.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_proto3\_arena\_lite.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/repeated\_ptr\_field.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/books.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unknown\_field\_set.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/text\_format\_unittest.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_kotlin\_generator.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_import\_public.proto  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_primitive\_field.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_helpers.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/delimited\_message\_util.h  
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 /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_custom\_options.proto  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver\_util\_test.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_primitive\_field.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_string\_field.cc  
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 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/object\_source.h  
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 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_enum\_util.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_service.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/annotation\_test\_util.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/wire\_format.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_message.cc  
 \*  
 /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_test\_util.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/repeated\_ptr\_field.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/substitute.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_primitive\_field.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-

1.47.0/third\_party/protobuf/src/google/protobuf/struct.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/stl\_util.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/time\_util.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_lite\_imports\_nonlite.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/datapiece.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_field\_lite.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/strtod.cc

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_proto2\_unittest.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/location\_tracker.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/explicitly\_constructed.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_enormous\_descriptor.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_tctable\_impl.inc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_helpers.cc

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_entry\_lite.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_extension.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer\_unittest.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_test\_util.inc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_extension.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_proto/google/protobuf/duration.proto

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectwriter.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/utility.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-

1.47.0/third\_party/protobuf/src/google/protobuf/test\_messages\_proto2.proto  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_enum.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/bytestream.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/text\_format.h  
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 /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unknown\_field\_set.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message\_field.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/python/python\_generator.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/logging.h  
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 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_kotlin\_generator.cc  
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 /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/parse\_context.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_name\_resolver.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/any.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_service.h  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_oneof.h  
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 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/metadata\_test.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/type\_info.cc  
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 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_names.h  
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 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_bases.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_objectwriter.cc  
 \* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-

1.47.0/third\_party/protobuf/src/google/protobuf/arenastring\_unittest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_primitive\_field\_lite.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_field.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/test\_util\_lite.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/field\_mask\_util.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_proto/google/protobuf/compiler/plugin.proto

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/default\_value\_objectwriter.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/type\_info\_test\_helper.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/json\_util.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_test.inc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_objectwriter.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/inlined\_string\_field.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/stringpiece\_unittest.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/repeated\_field\_reflection\_unittest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/stringpiece.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/field\_access\_listener.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/duration.proto

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/dynamic\_message\_unittest.cc

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/default\_value\_test.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_extension.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/package\_info.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_field.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/int128.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_enum.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_proto3\_lite.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_names.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_escaping.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/hash.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_string\_field\_lite.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/arena\_test\_util.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/proto\_writer.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_tctable\_impl.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/oneofs.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/default\_value\_objectwriter\_test.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_message.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_util.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/importer.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/map\_type\_handler.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_enum\_field.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/any\_test.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_file.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/tokenizer.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/test\_util.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/any\_test.proto

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/plugin.proto  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/delimited\_message\_util.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_shared\_code\_generator.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/coded\_stream.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_mset.proto  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_table\_driven\_lite.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/descriptor\_database\_unittest.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/repeated\_field.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/testing/googletest.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/arena\_unittest.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_message.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_proto/google/protobuf/any.proto  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_builder.cc  
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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_file.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_tctable\_full.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/struct.proto  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_enum\_field\_lite.cc  
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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/parser.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/type\_resolver\_util.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/structurally\_valid.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_options.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_test\_bad\_identifiers.proto  
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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_primitive\_field.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/json\_util\_test.cc  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/reflection\_ops.h  
\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_stream\_parser.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_enum.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_map\_field\_lite.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_map\_field.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_message.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_wrapper\_field.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/proto\_writer.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/json\_format\_proto3.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_lazy\_dependencies\_custom\_option.proto

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/package\_info.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message\_lite.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/extension\_set.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_enum\_reflection.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_source\_generator\_base.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_doc\_comment.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_doc\_comment\_unittest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/common.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_message.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_names.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_primitive\_field.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectsource\_test.cc

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/default\_value.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_context.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/wire\_format.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_test\_large\_enum\_value.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_options.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_generator.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/stubs/statusor.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/descriptor.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_message\_field.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_proto/google/protobuf/wrappers.proto

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_extension\_lite.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/json\_stream\_parser\_test.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_plugin\_unitest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/reflection\_tester.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/field\_mask.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/testdata/proto3.proto

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unknown\_field\_set\_unitest.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/ruby/ruby\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_reflection.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/json\_format.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/cpp/cpp\_field.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/constants.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/message\_differencer.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/wire\_format\_unittest.inc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/php/php\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/field\_comparator.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/extension\_set\_inl.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_file.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/metadata.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/main.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/descriptor.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_primitive\_field.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/has\_bits.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/java/java\_generator\_factory.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/command\_line\_interface.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_proto3\_optional.proto

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/dynamic\_message.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/datapiece.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/descriptor\_database.cc

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1.47.0/third\_party/protobuf/src/google/protobuf/map.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/field\_mask\_utility.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/code\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/objectivec/objectivec\_helpers.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/type\_info.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_lazy\_dependencies\_enum.proto

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_table\_driven.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/internal/protostream\_objectwriter\_test.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_proto/google/protobuf/type.proto

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/generated\_message\_table\_driven\_lite.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/csharp/csharp\_repeated\_primitive\_field.cc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/util/delimited\_message\_util\_test.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/zero\_copy\_stream\_impl.h

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/unittest\_lazy\_dependencies.proto

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* /opt/cola/permits/1362038476_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-
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1.47.0/third_party/protobuf/src/google/protobuf/message_unittest.inc

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/support/status\_code\_enum.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/auth\_metadata\_processor.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-

1.47.0/grpc\_root/include/grpc/impl/codegen/grpc\_types.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/client\_unary\_call.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/sync\_windows.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/atm\_windows.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/objective\_c\_generator.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/sync\_generic.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/slice.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/config\_protobuf.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/cpp\_generator\_helpers.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/python\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/serialization\_traits.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/proto\_buffer\_reader.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/byte\_buffer\_reader.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/time.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/workaround\_list.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/support/status.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/objective\_c\_generator\_helpers.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/server\_credentials.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/support/interceptor.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/ruby\_plugin.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/ruby\_generator.cc

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/support/server\_interceptor.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-



1.47.0/grpc\_root/include/grpcpp/impl/codegen/call\_hook.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/slice\_buffer.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/client\_context.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/ruby\_generator\_map-inl.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/rpc\_method.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/grpcpp.h

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/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/status.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/string\_ref.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/credentials.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/python\_plugin.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/security/auth\_context.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/ext/proto\_server\_reflection\_plugin.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/string\_util.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/client\_unary\_call.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/sync\_posix.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/cpu.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/method\_handler\_impl.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/support/string\_ref.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/proto\_utils.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/method\_handler.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/core\_codegen\_interface.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/status.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/slice.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/log\_windows.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/log.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/stub\_options.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/sync\_posix.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/codegen/create\_auth\_context.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/atm.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/grpc\_library.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/sync\_windows.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/support/stub\_options.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/alarm.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/csharp\_generator\_helpers.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/csharp\_plugin.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/byte\_buffer\_reader.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/generator\_helpers.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/generic/generic\_stub.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/impl/codegen/atm\_gcc\_atomic.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/objective\_c\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/support/sync.h

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/cpp\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpc/grpc\_security.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/csharp\_generator.cc

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/include/grpcpp/impl/service\_type.h

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-

1.47.0/grpc\_root/include/grpc/impl/codegen/byte\_buffer.h

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```

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/io/gzip\_stream\_unittest.sh

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/third\_party/protobuf/src/google/protobuf/compiler/zip\_output\_unittest.sh

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\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/\_parallel\_compile\_patch.py

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_protoc\_compiler.pyx

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_root/src/compiler/BUILD

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/protoc.py

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/\_\_init\_\_.py

\*

/opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/test/protoc\_test.py

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/setup.py

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/command.py

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/grpc\_tools/test/BUILD.bazel

\* /opt/cola/permits/1362038476\_1660896469.918055/0/grpcio-tools-1-47-0-tar-gz/grpcio-tools-1.47.0/protoc\_lib\_deps.py

## 1.372 jcmtturner-gofork 1.7.6

### 1.372.1 Available under license :

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## 1.373 lib-pq 1.10.6

### 1.373.1 Available under license :

```
//go:build go1.10
```

```
// +build go1.10
```

```
package pq
```

```
import (  
    "context"  
    "database/sql/driver"
```

```

)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

```

```

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
if c, ok := c.(*NoticeHandlerConnector); ok {
    c.noticeHandler = handler
    return c
}
return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
Copyright (c) 2011-2013, 'pq' Contributors
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```

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## 1.374 lib-pq 1.10.5

### 1.374.1 Available under license :

```

//go:build go1.10
// +build go1.10

package pq

import (
    "context"

```

```

"database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

```

```

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

```

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

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(at your option) any later version.
```

```
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```
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This is free software, and you are welcome to redistribute
it
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Version 3, 29 June 2007

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```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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## 1.376 dlmiddlecote-sqlstats 1.0.2

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# 1.378 sqlx 1.3.5

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# 1.382 protocolbuffers-txtpbfmt 0.0.0-20220428173112-74888fd59c2b

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## 1.383 blugelabs-bluge\_segment\_api 0.2.0

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## 1.386 emicklei-proto 1.10.0

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## 1.387 go.uber.org/atomi 1.10.0

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## 1.388 webencodings 0.5.1

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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 Python's.

Found in path(s):

```
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/README.rst
```

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

```
VERSION = re.search("VERSION = '([^\s]+)'", 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 :: Python :: Implementation :: CPython',
'Programming Language :: Python :: Implementation :: PyPy',
'Topic :: Internet :: WWW/HTTP',
],
packages=find_packages(),
)

```

Found in path(s):

```
* /opt/cola/permits/1401468445_1661617535.3616152/0/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 = ["\
"""

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,\n' % (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/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/mklabels.py
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Found in path(s):
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/labels.py
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings/__init__.py
* /opt/cola/permits/1401468445_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

```

0.5.1/webencodings/tests.py

\* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-

0.5.1/webencodings/x\_user\_defined.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](mailto: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>

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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.

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 Python's.

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/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/webencodings.egg-info/PKG-INFO  
\* /opt/cola/permits/1401468445\_1661617535.3616152/0/webencodings-0-5-1-1-tar-gz/webencodings-0.5.1/PKG-INFO

# 1.389 packaging 21.3

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## 1.390 libcrypt 4.4.10-10ubuntu4

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Version 2.1, February 1999

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The primary author and maintainer of six is Benjamin Peterson. He would like to  
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Marc Abramowitz

immerrr again

Alexander Artemenko

Aymeric Augustin

Lee Ball

Ben Bariteau

Ned Batchelder

Wouter Bolsterlee

Brett Cannon

Jason R. Coombs

Julien Danjou

Ben Darnell

Ben Davis

Jon Dufresne

Tim Graham

Thomas Grainger

Max Grender-Jones

Pierre Grimaud

Joshua Harlow

Toshiki Kataoka  
Hugo van Kemenade  
Anselm Kruis  
Ivan Levkivskiy  
Alexander Lukanin  
James Mills  
Jordan Moldow  
Berker Peksag  
Sridhar Ratnakumar  
Erik Rose  
Mirko Rossini  
Peter Ruibal  
Miroslav Shubernetskiy  
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gokrb5

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## 1.416 google-go-cmp 0.5.9

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# 1.418 x-errors 0.0.0-20220907171357-04be3eba64a2

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## 1.419 go-ldap-ldap 3.4.4

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## 1.420 clockwork 0.3.0

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Clockwork - a clock process to replace cron

=====

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

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

## Quickstart

-----

Create clock.rb:

```
require 'clockwork'
include Clockwork

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

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

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

Run it with the clockwork binary:

```
$ clockwork clock.rb
Starting clock for 4 events: [ frequent.job less.frequent.job hourly.job midnight.job ]
Triggering frequent.job
```

## Use with queueing

-----

The clock process only makes sense as a place to schedule work to be done, not to do the work. It avoids locking by running as a single process, but this makes it impossible to parallelize. For doing the work, you should be using a job queueing system, such as [Delayed Job](<http://www.therailsway.com/2009/7/22/do-it-later-with-delayed-job>), [Beanstalk/Stalker]([http://adam.heroku.com/past/2010/4/24/beanstalk\\_a\\_simple\\_and\\_fast\\_queueing\\_backend/](http://adam.heroku.com/past/2010/4/24/beanstalk_a_simple_and_fast_queueing_backend/)), [RabbitMQ/Minion]([http://adamblog.heroku.com/past/2009/9/28/background\\_jobs\\_with\\_rabbitmq\\_and\\_minion/](http://adamblog.heroku.com/past/2009/9/28/background_jobs_with_rabbitmq_and_minion/)), or [Resque](<http://github.com/blog/542-introducing-resque>). This design allows a simple clock process with no locks, but also offers near infinite horizontal

scalability.

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

```
require 'stalker'

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

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

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

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

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

Anatomy of a clock file

-----

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

The handler typically looks like this:

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

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

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

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

In the first line of this example, an event will be triggered once every five minutes, passing the job name 'thing.do' into the handler. The handler shown

above would thus call `enqueue_your_job('thing.do')`.

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

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

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

You can also use blocks to do more complex checks:

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

In production

-----

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

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

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

Meta

----

Created by Adam Wiggins

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

Design

assistance from Peter van Hardenberg and Matthew Soldo

Patches contributed by Mark McGranaghan and Lukáš Konarovský

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

Found in path(s):

\* /opt/cola/permits/1431660334\_1664780807.794503/0/clockwork-0-3-0-gem/data-tar-gz/README.md

# 1.421 pcre 8.39-12ubuntu0.1

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Written by: Philip Hazel  
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## 1.430 armon-go-metrics 0.4.1

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## 1.431 sarama 1.30.0

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## 1.432 pierrec-lz4 4.1.15

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## 1.433 zlib 1.2.11.dfsg-2ubuntu1.5

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```
/* gun.c -- simple gunzip to give an example of the use of inflateBack()
* Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
Version 1.7 12 August 2012 Mark Adler */
```

Found in path(s):

```
*/opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c
```

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```
/* gzclose.c -- zlib gzclose() function
* Copyright (C) 2004, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
*/opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c
```

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MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

Introduction

-----

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant ( <http://www.winimage.com/zLibDll/minizip.html> )

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0.

All possible work was done for compatibility.

## Background

-----  
When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal ( <http://www.gdal.org/> )

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

## Changed from MiniZip 1.0 to MiniZip 1.1

- 
- \* Added ZIP64 support for unzip ( by Even Rouault )
  - \* Added ZIP64 support for zip ( by Mathias Svensson )
  - \* Reverted some changed that Even Rouault did.
  - \* Bunch of patches received from Gilles Vollant that he received for MiniZip from various users.
  - \* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)
  - \* Added BZIP Compress method for zip
  - \* Did some refactoring and code cleanup

## Credits

Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
Mathias Svensson - BZip Compression method support in zip

## Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.

Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>

Zip File specification

## Notes.

- \* To be able to use BZip compression method in zip64.c or unzip64.c the BZIP2 lib is needed and HAVE\_BZIP2 need to be defined.

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-----  
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\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/MiniZip64\_info.txt

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/\* compress.c -- compress a memory buffer

\* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c

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/\* zconf.h -- configuration of the zlib compression library

\* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein

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```
/*
 * gzlog.c
 * Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved
 * For conditions of distribution and use, see copyright notice in gzlog.h
 * version 2.2, 14 Aug 2012
 */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.c
```

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```
/* deflate.c -- compress data using the deflation algorithm
 * Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c
```

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Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zlib_how.html
```

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```
/* zutil.h -- internal interface and configuration of the compression library
 * Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h
```

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

```
/* uncompr.c -- decompress a memory buffer
 * Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c
```

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# For conditions of distribution and use, see copyright notice in zlib.h

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/Makefile.emx
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2
```

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```
/* trees.c -- output deflated data using Huffman coding
* Copyright (C) 1995-2017 Jean-loup Gailly
* detect_data_type() function provided freely by Cosmin Truta, 2006
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c
```

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```
/* gzread.c -- zlib functions for reading gzip files
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c
```

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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 )
```

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

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.

Code woven in by Terry Thorsen 1/2003.

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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.  
If, for some reason, all these files are missing, the Info-ZIP license  
also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>

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

Copyright (C) 2007-2008 Even Rouault

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 received 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

Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.c

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

/\* example.c -- usage example of the zlib compression library

\* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/example.c

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

Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

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

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

\*/

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

```
/* gzwrite.c -- zlib functions for writing gzip files
* Copyright (C) 2004-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c
No license file was found, but licenses were detected in source scan.
```

```
/* Adler32.c -- compute the Adler-32 checksum of a data stream
* Copyright (C) 1995-2011, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c
No license file was found, but licenses were detected in source scan.
```

## Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page <http://zlib.net/> which may have more recent information. The latest zlib FAQ is at [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html)

### 1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

### 2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file `win32/DLL_FAQ.txt` in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/>.

### 3. Where can I get a Visual Basic interface to zlib?

See

- \* <http://marknelson.us/1997/01/01/zlib-engine/>
- \* `win32/DLL_FAQ.txt` in the zlib distribution

### 4. `compress()` returns `Z_BUF_ERROR`.

Make sure that before the call of `compress()`, the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual

Basic, check that this parameter is passed by reference ("as any"), not by value ("as long").

5. deflate() or inflate() returns Z\_BUF\_ERROR.

Before making the call, make sure that avail\_in and avail\_out are not zero. When setting the parameter flush equal to Z\_FINISH, also make sure that avail\_out is big enough to allow processing all pending input. Note that a Z\_BUF\_ERROR is not fatal--another call to deflate() or inflate() can be made with more input or output space. A Z\_BUF\_ERROR may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when strm.avail\_out returns with zero. See [http://zlib.net/zlib\\_how.html](http://zlib.net/zlib_how.html) for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in zlib.h . Examples of zlib usage are in the files test/example.c and test/minigzip.c, with more in examples/ .

7. Why don't you use GNU autoconf or libtool or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.

8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at [zlib@gzip.org](mailto:zlib@gzip.org) . Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to gzputc"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files libz.\* in /usr/lib, /usr/local/lib or /usr/X11R6/lib. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the contrib/delphi directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory contrib/minizip in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an uncompress or gunzip subprocess, or adapt the code of uncompress on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web site: Joel Hainley, [jhainley@myndkryme.com](mailto:jhainley@myndkryme.com).

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/>. To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/>.

17. Why am I getting this "register\_frame\_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:
symbol __register_frame_info: referenced symbol not found
```



The symbol `__register_frame_info` is not part of zlib, it is generated by the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The compress and deflate functions produce data in the zlib format, which is different and incompatible with the gzip format. The `gz*` functions in zlib on the other hand use the gzip format. Both the zlib and gzip formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The gzip format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than gzip.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using `deflateInit2()`. You can also request that inflate decode the gzip format using `inflateInit2()`. Read `zlib.h` for more details.

21. Is zlib thread-safe?

Yes. However any library routines that zlib uses and any application-provided memory allocation routines must also be thread-safe. zlib's `gz*` functions use stdio library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's `*Init*` functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in `zlib.h`.

23. Is zlib under the GNU license?

No. Please read the license in zlib.h.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the ZLIB\_VERSION and ZLIB\_VERNUM #defines in zlib.h. In particular, the final version number needs to be changed to "f", and an identification string should be appended to ZLIB\_VERSION. Version numbers x.x.x.f are reserved for modifications to zlib by others than the zlib maintainers. For example, if the version of the base zlib you are altering is "1.2.3.4", then in zlib.h you should change ZLIB\_VERNUM to 0x123f, and ZLIB\_VERSION to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in deflate.c and infrees.c.

For altered source distributions, you should also note the origin and nature of the changes in zlib.h, as well as in ChangeLog and README, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled zlib library along with zlib.h and zconf.h is also a source distribution, and so you should change ZLIB\_VERSION and ZLIB\_VERNUM and note the origin and nature of the changes in zlib.h as you would for a full source distribution.

25.

Will zlib work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will zlib work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to [zlib@gzip.org](mailto:zlib@gzip.org)

27. Will zlib decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than does PKZIP and zlib. However, you can look in zlib's contrib/blast directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use Z\_FULL\_FLUSH, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those

points. You have to be careful to not use `Z_FULL_FLUSH` too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See `examples/zran.c`.

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's `contrib/puff` directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work with greater than 4 GB of data?

Yes. `inflate()` and `deflate()` will process any amount of data correctly. Each call of `inflate()` or `deflate()` is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the `strm.total_in` and `strm.total_out` counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by `inflate()` or `deflate()`. The application can easily set up its own counters updated after each call of `inflate()` or `deflate()` to count beyond 4 GB. `compress()` and `uncompress()` may be limited to 4 GB, since they operate in a single call. `gzseek()` and `gztell()` may be limited to 4 GB depending on how zlib is compiled. See the `zlibCompileFlags()` function in `zlib.h`.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is 32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in `gzprintf()`. If `zlib` is compiled to use `sprintf()` or `vsprintf()`, then there is no protection against a buffer overflow of an 8K string space (or other value as set by `gzbuffer()`), other than the caller of `gzprintf()` assuring that the output will not exceed 8K. On the other hand, if `zlib` is compiled to use `snprintf()` or `vsnprintf()`, which should normally be the case, then there is no vulnerability. The `./configure` script will display warnings if an insecure variation of `sprintf()` will be used by `gzprintf()`. Also the `zlibCompileFlags()` function will return information on what variant of `sprintf()` is used by `gzprintf()`.

If you don't have `snprintf()` or `vsnprintf()` and would like one, you can find a portable implementation here:

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

Note that you should be using the most recent version of `zlib`. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of `zlib`?

Probably what you want is to use `zlib` in Java. `zlib` is already included as part of the Java SDK in the `java.util.zip` package. If you really want a version of `zlib` written in the Java language, look on the `zlib` home page for links: <http://zlib.net/>.

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that `deflate` is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of `deflate` is not affected. This only started showing up recently since `zlib 1.2.x` uses `malloc()` by default for allocations, whereas earlier versions used `calloc()`, which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed data format?

Probably not. Look in the comp.compression FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/>, which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General

Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ

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

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

\* Copyright (C) 1995-2005, 2010 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.h

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

/\* gzappend -- command to append to a gzip file

Copyright (C) 2003, 2012 Mark Adler, all rights reserved

version 1.2, 11 Oct 2012

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

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/\* deflate.h -- internal compression state

\* Copyright (C) 1995-2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h

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

/\*

Additional tools for Minizip

Code: Xavier Roche '2004

License: Same as ZLIB (www.gzip.org)

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.h

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/mztools.c

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

/\* unzip.h -- 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> )

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

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

-----  
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-----  
Changes

See header of unzip64.c

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

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

/\* gzjoin -- command to join gzip files into one gzip file

Copyright (C) 2004, 2005, 2012 Mark Adler, all rights reserved  
version 1.2, 14 Aug 2012

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3. This

notice may not be removed or altered from any source distribution.

Mark Adler madler@alumni.caltech.edu

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c

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

/\* crc32.c -- compute the CRC-32 of a data stream

\* Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*

\* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster

\* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing

\* tables for updating the shift register in one step with three exclusive-ors

\* instead of four steps with four exclusive-ors. This results in about a

\* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c

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

/\* inffast.c -- fast decoding

\* Copyright (C) 1995-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c

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

/\* zutil.c -- target dependent utility functions for the compression library

\* Copyright (C) 1995-2017 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c

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

```
/* inflate.h -- internal inflate state definition
* Copyright (C) 1995-2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h
```

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

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

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

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

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h
```

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

```
/* gzguts.h -- zlib internal header definitions for gz* operations
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
```

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h

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/\* zip.h -- IO on .zip files using zlib

Version 1.1, February 14h, 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 for Zip64 support

Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

-----  
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-----  
Changes

See header of zip.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-

1.2.11.dfsg/contrib/minizip/zip.h

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```
/* inftrees.c -- generate Huffman trees for efficient decoding
 * Copyright (C) 1995-2017 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

`*/opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.c`

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

```
/* inflate.c -- zlib decompression
 * Copyright (C) 1995-2016 Mark Adler
 * For conditions of distribution and use, see copyright notice in zlib.h
 */
```

Found in path(s):

`*/opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c`

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

```
/* zpipe.c: example of proper use of zlib's inflate() and deflate()
 Not copyrighted -- provided to the public domain
 Version 1.4 11 December 2005 Mark Adler */
```

Found in path(s):

`*/opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zpipe.c`

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## ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. 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](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact [zlib@gzip.org](mailto:zlib@gzip.org)). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work

for most flavors of Unix. For Windows, use one of the special makefiles in win32/ or contrib/vstudio/. For VMS, use make\_vms.com.

Questions about zlib should be sent to <zlib@gzip.org>, or to Gilles Vollant <info@winimage.com> for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html) before asking for help.

Mark Nelson <markn@ieee.org> wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs's Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.11 are documented in the file ChangeLog.

Unsupported third party contributions are provided in directory contrib/.

zlib is available in Java using the java.util.zip package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/>.

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including <http://search.cpan.org/~pmqs/IO-Compress-Zlib/>.

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html>.

zlib is built into tcl: <http://wiki.tcl.tk/4610>.

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL\_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under

OSF/1 2.1 it works  
when compiled with cc.

- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.

- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.

- gzdopen is not supported on RISCOS or BEOS.

- For PalmOs, see <http://palmzlib.sourceforge.net/>

#### Acknowledgments:

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

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

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Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README

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/\* minigzip.c -- simulate gzip using the zlib compression library

\* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minigzip.c

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\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3

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/\* inffast.h -- header to use inffast.c

\* Copyright (C) 1995-2003, 2010 Mark Adler

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\*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h

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/\* zran.c -- example of zlib/gzip stream indexing and random access

\* Copyright (C) 2005, 2012 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

Version 1.1 29 Sep 2012 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1445162814\_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c

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```
/* infback.c -- inflate using a call-back interface
* Copyright (C) 1995-2016 Mark Adler
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*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infback.c
```

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```
/* gzlog.h
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved
version 2.2, 14 Aug 2012
```

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Mark Adler madler@alumni.caltech.edu

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.h
```

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

```
/* fitblk.c: example of fitting compressed output to a specified size
Not copyrighted -- provided to the public domain
Version 1.1 25 November 2004 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c
```



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

```
/* zlib.c -- zlib functions common to reading and writing gzip files
* Copyright (C) 2004-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c
No license file was found, but licenses were detected in source scan.
```

```
/* infcover.c -- test zlib's inflate routines with full code coverage
* Copyright (C) 2011, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1445162814_1666092919.423293/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/infcover.c
```

## 1.434 zlib 1.2.13

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

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## 1.435 beego-beego 2.0.5

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## 1.436 distro 1.8.0

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Thanks!

\* <https://github.com/andy-maier>

- \* <https://github.com/SethMichaelLarson>
- \* <https://github.com/asottile>
- \* <https://github.com/MartijnBraam>
- \* <https://github.com/funkyfuture>
- \* <https://github.com/adamjstewart>
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# 1.438 invopop-yaml 0.1.0

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```
//
```

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```

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```

```
package github
```

```
import (
```

```
    "context"
```

```
    "fmt"
```

```
    "net/http"
```

```
    "testing"
```

```
    "github.com/google/go-cmp/cmp"
```

```
)
```

```
func TestRepositoryLicense_Marshal(t *testing.T) {
```

```
    testJSONMarshal(t, &RepositoryLicense{}, "{}")
```

```
    rl := &RepositoryLicense{
```

```
        Name:    String("n"),
```

```
        Path:    String("p"),
```

```
        SHA:     String("s"),
```

```
        Size:    Int(1),
```

```
        URL:     String("u"),
```

```
        HTMLURL: String("h"),
```

```
        GitURL:  String("g"),
```

```
        DownloadURL: String("d"),
```

```
        Type:    String("t"),
```

```
        Content: String("c"),
```

```
        Encoding: String("e"),
```

```
        License: &License{
```

```
            Key:    String("k"),
```

```
            Name:    String("n"),
```

```

URL:      String("u"),
SPDXID:   String("s"),
HTMLURL:  String("h"),
Featured: Bool(true),
Description: String("d"),
Implementation: String("i"),
Permissions: &[]string{"p"},
Conditions:
    &[]string{"c"},
Limitations: &[]string{"l"},
Body:      String("b"),
},
}
want := `{
"name": "n",
"path": "p",
"sha": "s",
"size": 1,
"url": "u",
"html_url": "h",
"git_url": "g",
"download_url": "d",
"type": "t",
"content": "c",
"encoding": "e",
"license": {
"key": "k",
"name": "n",
"url": "u",
"spdx_id": "s",
"html_url": "h",
"featured": true,
"description": "d",
"implementation": "i",
"permissions": ["p"],
"conditions": ["c"],
"limitations": ["l"],
"body": "b"
}
}`
testJSONMarshal(t, rl, want)
}

func TestLicense_Marshal(t *testing.T) {
testJSONMarshal(t, &License{}, "{}")

l := &License{
Key:      String("k"),

```

```

Name:      String("n"),
URL:       String("u"),
SPDXID:    String("s"),
HTMLURL:   String("h"),
Featured:  Bool(true),
Description: String("d"),
Implementation: String("i"),
Permissions: &[]string{"p"},
Conditions:
    &[]string{"c"},
Limitations: &[]string{"l"},
Body:       String("b"),
}
want := `{
"key": "k",
"name": "n",
"url": "u",
"spdx_id": "s",
"html_url": "h",
"featured": true,
"description": "d",
"implementation": "i",
"permissions": ["p"],
"conditions": ["c"],
"limitations": ["l"],
"body": "b"
}`
testJSONMarshal(t, l, want)
}

```

```

func TestLicensesService_List(t *testing.T) {
    client, mux, _, teardown := setup()
    defer teardown()

    mux.HandleFunc("/licenses", func(w http.ResponseWriter, r *http.Request) {
        testMethod(t, r, "GET")
        fmt.Fprint(w,
            `[{ "key": "mit", "name": "MIT", "spdx_id": "MIT", "url": "https://api.github.com/licenses/mit", "featured": true }]`)
    })

    ctx := context.Background()
    licenses, _, err := client.Licenses.List(ctx)
    if err != nil {
        t.Errorf("Licenses.List returned error: %v", err)
    }

    want := []*License{{
        Key:    String("mit"),

```

```

Name: String("MIT"),
SPDXID: String("MIT"),
URL: String("https://api.github.com/licenses/mit"),
Featured:
Bool(true),
}}
if !cmp.Equal(licenses, want) {
t.Errorf("Licenses.List returned %+v, want %+v", licenses, want)
}

const methodName = "List"
testNewRequestAndDoFailure(t, methodName, client, func() (*Response, error) {
got, resp, err := client.Licenses.List(ctx)
if got != nil {
t.Errorf("testNewRequestAndDoFailure %v = %#v, want nil", methodName, got)
}
return resp, err
})
}

func TestLicensesService_Get(t *testing.T) {
client, mux, _, teardown := setup()
defer teardown()

mux.HandleFunc("/licenses/mit", func(w http.ResponseWriter, r *http.Request) {
testMethod(t, r, "GET")
fmt.Fprint(w, `{"key":"mit","name":"MIT"}`)
})

ctx := context.Background()
license, _, err := client.Licenses.Get(ctx, "mit")
if err != nil {
t.Errorf("Licenses.Get returned error: %v", err)
}

want := &License{Key: String("mit"), Name: String("MIT")}
if !cmp.Equal(license, want) {
t.Errorf("Licenses.Get returned %+v, want %+v", license, want)
}

const
methodName = "Get"
testBadOptions(t, methodName, func() (err error) {
_, _, err = client.Licenses.Get(ctx, "\n")
return err
})

testNewRequestAndDoFailure(t, methodName, client, func() (*Response, error) {

```

```

got, resp, err := client.Licenses.Get(ctx, "mit")
if got != nil {
    t.Errorf("testNewRequestAndDoFailure %v = %#v, want nil", methodName, got)
}
return resp, err
})
}

```

```

func TestLicensesService_Get_invalidTemplate(t *testing.T) {
    client, _, _, teardown := setup()
    defer teardown()

```

```

    ctx := context.Background()
    _, _, err := client.Licenses.Get(ctx, "%")
    testURLParseError(t, err)
}

```

```

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```

```

//

```

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```

```

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```

```

package github

```

```

import (
    "context"
    "fmt"
)

```

```

// LicensesService handles communication with the license related
// methods of the GitHub API.

```

```

//

```

```

// GitHub API docs: https://docs.github.com/en/rest/licenses/

```

```

type LicensesService service

```

```

// RepositoryLicense represents the license for a repository.

```

```

type RepositoryLicense struct {

```

```

    Name *string `json:"name,omitempty"`

```

```

    Path *string `json:"path,omitempty"`

```

```

    SHA *string `json:"sha,omitempty"`

```

```

    Size *int `json:"size,omitempty"`

```

```

    URL *string `json:"url,omitempty"`

```

```

    HTMLURL *string `json:"html_url,omitempty"`

```

```

    GitURL *string `json:"git_url,omitempty"`

```

```

    DownloadURL *string `json:"download_url,omitempty"`

```

```

    Type *string `json:"type,omitempty"`

```

```

    Content *string `json:"content,omitempty"`

```

```

    Encoding *string `json:"encoding,omitempty"`

```



```

License
    *License `json:"license,omitempty"`
}

func (l RepositoryLicense) String() string {
    return Stringify(l)
}

// License represents an open source license.
type License struct {
    Key *string `json:"key,omitempty"`
    Name *string `json:"name,omitempty"`
    URL *string `json:"url,omitempty"`

    SPDXID *string `json:"spdx_id,omitempty"`
    HTMLURL *string `json:"html_url,omitempty"`
    Featured *bool `json:"featured,omitempty"`
    Description *string `json:"description,omitempty"`
    Implementation *string `json:"implementation,omitempty"`
    Permissions *[]string `json:"permissions,omitempty"`
    Conditions *[]string `json:"conditions,omitempty"`
    Limitations *[]string `json:"limitations,omitempty"`
    Body *string `json:"body,omitempty"`
}

func (l License) String() string {
    return Stringify(l)
}

// List popular open source licenses.
//
// GitHub API docs: https://docs.github.com/en/rest/licenses/#list-all-licenses
func (s
    *LicensesService) List(ctx context.Context) ([]*License, *Response, error) {
    req, err := s.client.NewRequest("GET", "licenses", nil)
    if err != nil {
        return nil, nil, err
    }

    var licenses []*License
    resp, err := s.client.Do(ctx, req, &licenses)
    if err != nil {
        return nil, resp, err
    }

    return licenses, resp, nil
}

```

```

// Get extended metadata for one license.
//
// GitHub API docs: https://docs.github.com/en/rest/licenses#get-a-license
func (s *LicensesService) Get(ctx context.Context, licenseName string) (*License, *Response, error) {
    u := fmt.Sprintf("licenses/%s", licenseName)

    req, err := s.client.NewRequest("GET", u, nil)
    if err != nil {
        return nil, nil, err
    }

    license := new(License)
    resp, err := s.client.Do(ctx, req, license)
    if err != nil {
        return nil, resp, err
    }

    return license, resp, nil
}

```

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# 1.440 go-autorest-logging 0.2.1

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# 1.446 go-openapi-analysis 0.21.4

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# 1.447 go-openapi-errors 0.20.3

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## 1.448 colorama 0.4.6

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## 1.449 btree 1.1.2

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```
/* This will be more informative in a later version. */
```

Found in path(s):

```
* /opt/cola/permits/1460468423_1667577396.9698634/0/sqlite-amalgamation-3390400-1-zip/sqlite-amalgamation-3390400/shell.c
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```
/*
```

```
** CAPI3REF: Configuration Options
```

```
** KEYWORDS: {configuration option}
```

```
**
```

```
** These constants are the available integer configuration options that  
** can be passed as the first argument to the [sqlite3_config()] interface.
```

```
**
```

```
** New configuration options may be added in future releases of SQLite.
```

```
** Existing configuration options might be discontinued. Applications  
** should check the return code from [sqlite3_config()] to make sure that  
** the call worked. The [sqlite3_config()] interface will return a
```

```
** non-zero [error code] if a discontinued or unsupported configuration option  
** is invoked.
```

```
**
```

```
** <dl>
```

```
** [[SQLITE_CONFIG_SINGLETHREAD]] <dt>SQLITE_CONFIG_SINGLETHREAD</dt>
```

```
** <dd>There are no arguments to this option. ^This option sets the
```

```
** [threading mode] to Single-thread. In other words, it disables
```

```
** all mutexing and puts SQLite into a mode where it can only be used
```

```
** by a single thread. ^If SQLite
```

is compiled with

- \*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option then
- \*\* it is not possible to change the [threading mode] from its default
- \*\* value of Single-thread and so [sqlite3\_config()] will return
- \*\* [SQLITE\_ERROR] if called with the SQLITE\_CONFIG\_SINGLETHREAD
- \*\* configuration option.</dd>
- \*\*
- \*\* [[SQLITE\_CONFIG\_MULTITHREAD]] <dt>SQLITE\_CONFIG\_MULTITHREAD</dt>
- \*\* <dd>There are no arguments to this option. ^This option sets the
- \*\* [threading mode] to Multi-thread. In other words, it disables
- \*\* mutexing on [database connection] and [prepared statement] objects.
- \*\* The application is responsible for serializing access to
- \*\* [database connections] and [prepared statements]. But other mutexes
- \*\* are enabled so that SQLite will be safe to use in a multi-threaded
- \*\* environment as long as no two threads attempt to use the same
- \*\* [database connection] at the same time. ^If SQLite is compiled with
- \*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option
- then
- \*\* it is not possible to set the Multi-thread [threading mode] and
- \*\* [sqlite3\_config()] will return [SQLITE\_ERROR] if called with the
- \*\* SQLITE\_CONFIG\_MULTITHREAD configuration option.</dd>
- \*\*
- \*\* [[SQLITE\_CONFIG\_SERIALIZED]] <dt>SQLITE\_CONFIG\_SERIALIZED</dt>
- \*\* <dd>There are no arguments to this option. ^This option sets the
- \*\* [threading mode] to Serialized. In other words, this option enables
- \*\* all mutexes including the recursive
- \*\* mutexes on [database connection] and [prepared statement] objects.
- \*\* In this mode (which is the default when SQLite is compiled with
- \*\* [SQLITE\_THREADSAFE=1]) the SQLite library will itself serialize access
- \*\* to [database connections] and [prepared statements] so that the
- \*\* application is free to use the same [database connection] or the
- \*\* same [prepared statement] in different threads at the same time.
- \*\* ^If SQLite is compiled with
- \*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option then
- \*\* it is not possible to set the
- Serialized [threading mode] and
- \*\* [sqlite3\_config()] will return [SQLITE\_ERROR] if called with the
- \*\* SQLITE\_CONFIG\_SERIALIZED configuration option.</dd>
- \*\*
- \*\* [[SQLITE\_CONFIG\_MALLOC]] <dt>SQLITE\_CONFIG\_MALLOC</dt>
- \*\* <dd> ^The SQLITE\_CONFIG\_MALLOC option takes a single argument which is
- \*\* a pointer to an instance of the [sqlite3\_mem\_methods] structure.
- \*\* The argument specifies
- \*\* alternative low-level memory allocation routines to be used in place of
- \*\* the memory allocation routines built into SQLite.)^ ^SQLite makes
- \*\* its own private copy of the content of the [sqlite3\_mem\_methods] structure
- \*\* before the [sqlite3\_config()] call returns.</dd>
- \*\*

**SQLITE\_CONFIG\_GETMALLOC** `SQLITE_CONFIG_GETMALLOC`  
 The `SQLITE_CONFIG_GETMALLOC` option takes a single argument which is a pointer to an instance of the `[sqlite3_mem_methods]` structure. The `[sqlite3_mem_methods]` structure is filled with the currently defined memory allocation routines.)<sup>^</sup> This option can be used to overload the default memory allocation routines with a wrapper that simulations memory allocation failure or tracks memory usage, for example.

**SQLITE\_CONFIG\_SMALL\_MALLOC** `SQLITE_CONFIG_SMALL_MALLOC`  
 The `SQLITE_CONFIG_SMALL_MALLOC` option takes single argument of type `int`, interpreted as a boolean, which if true provides a hint to SQLite that it should avoid large memory allocations if possible. SQLite will run faster if it is free to make large memory allocations, but some application might prefer to run slower in exchange for guarantees about memory fragmentation that are possible if large allocations are avoided. This hint is normally off.

**SQLITE\_CONFIG\_MEMSTATUS** `SQLITE_CONFIG_MEMSTATUS`  
 The `SQLITE_CONFIG_MEMSTATUS` option takes single argument of type `int`, interpreted as a boolean, which enables or disables the collection of memory allocation statistics. <sup>^</sup>(When memory allocation statistics are disabled, the following SQLite interfaces become non-operational:
 

- `[sqlite3_hard_heap_limit64()]`
- `[sqlite3_memory_used()]`
- `[sqlite3_memory_highwater()]`
- `[sqlite3_soft_heap_limit64()]`
- `[sqlite3_status64()]`

<sup>^</sup>Memory allocation statistics are enabled by default unless SQLite is compiled with `[SQLITE_DEFAULT_MEMSTATUS]=0` in which case memory allocation statistics are disabled by default.

**SQLITE\_CONFIG\_SCRATCH** `SQLITE_CONFIG_SCRATCH`  
 The `SQLITE_CONFIG_SCRATCH` option is no longer used.

**SQLITE\_CONFIG\_PAGECACHE** `SQLITE_CONFIG_PAGECACHE`  
 The `SQLITE_CONFIG_PAGECACHE` option specifies a memory pool that SQLite can use for the database page cache with the default page cache implementation. This configuration option is a no-op if an application-defined page cache implementation is loaded using the `[SQLITE_CONFIG_PCACHE2]`.

\*\*

^There are three arguments to `SQLITE_CONFIG_PAGECACHE`: A pointer to 8-byte aligned memory (`pMem`), the size of each page cache line (`sz`), and the number of cache lines (`N`).

The `sz` argument should be the size of the largest database page (a power of two between 512 and 65536) plus some extra bytes for each page header. ^The number of extra bytes needed by the page header can be determined using `[SQLITE_CONFIG_PCACHE_HDRSZ]`.

^It is harmless, apart from the wasted memory, for the `sz` parameter to be larger than necessary. The `pMem` argument must be either a `NULL` pointer or a pointer to an 8-byte aligned block of memory of at least `sz*N` bytes, otherwise subsequent behavior is undefined.

^When `pMem` is not `NULL`, SQLite will strive to use the memory provided to satisfy page cache needs, falling back to `[sqlite3_malloc()]` if a page cache line is larger than `sz` bytes or if all of the `pMem` buffer is exhausted.

^If `pMem` is `NULL` and `N` is non-zero, then each database connection does an initial bulk allocation for page cache memory from `[sqlite3_malloc()]` sufficient for `N` cache lines if `N` is positive or of `-1024*N` bytes if `N` is negative. . ^If additional page cache memory is needed beyond what is provided by the initial allocation, then SQLite goes to `[sqlite3_malloc()]` separately for each additional cache line. </dd>

\*\*

\*\* `[SQLITE_CONFIG_HEAP]` <dt>`SQLITE_CONFIG_HEAP`</dt>

\*\* <dd> ^The `SQLITE_CONFIG_HEAP` option specifies a static memory buffer that SQLite will use for all of its dynamic memory allocation needs beyond those provided for by `[SQLITE_CONFIG_PAGECACHE]`.

\*\* ^The `SQLITE_CONFIG_HEAP` option is only available if SQLite is compiled with either `[SQLITE_ENABLE_MEMSYS3]` or `[SQLITE_ENABLE_MEMSYS5]` and returns `[SQLITE_ERROR]` if invoked otherwise.

\*\* ^There are three arguments to `SQLITE_CONFIG_HEAP`:

\*\* An 8-byte aligned pointer to the memory,

\*\* the number of bytes in the memory buffer, and the minimum allocation size.

\*\* ^If the first pointer (the memory pointer) is `NULL`, then SQLite reverts to using its default memory allocator (the system `malloc()` implementation), undoing any prior invocation of `[SQLITE_CONFIG_MALLOC]`. ^If the memory pointer is not `NULL` then the alternative memory allocator is engaged to handle all of SQLite's memory allocation needs.

\*\* The first pointer (the memory pointer) must be aligned to an 8-byte boundary or subsequent behavior of SQLite will be undefined.

\*\* The minimum allocation size is capped at  $2^{12}$ . Reasonable values for the minimum allocation size are  $2^5$  through  $2^8$ .</dd>

\*\*

\*\* `[SQLITE_CONFIG_MUTEX]` <dt>`SQLITE_CONFIG_MUTEX`</dt>

\*\* <dd> ^The `SQLITE_CONFIG_MUTEX` option takes a single argument which is a  
 \*\* pointer to an instance of the `[sqlite3_mutex_methods]` structure.  
 \*\* The argument specifies alternative low-level mutex routines to be used  
 \*\* in place the mutex routines built into SQLite.)^ ^SQLite makes a copy of  
 \*\* the  
 content of the `[sqlite3_mutex_methods]` structure before the call to  
 \*\* `[sqlite3_config()]` returns. ^If SQLite is compiled with  
 \*\* the `[SQLITE_THREADSAFE | SQLITE_THREADSAFE=0]` compile-time option then  
 \*\* the entire mutexing subsystem is omitted from the build and hence calls to  
 \*\* `[sqlite3_config()]` with the `SQLITE_CONFIG_MUTEX` configuration option will  
 \*\* return `[SQLITE_ERROR]`.</dd>  
 \*\*  
 \*\* `[SQLITE_CONFIG_GETMUTEX]` <dt>`SQLITE_CONFIG_GETMUTEX`</dt>  
 \*\* <dd> ^The `SQLITE_CONFIG_GETMUTEX` option takes a single argument which  
 \*\* is a pointer to an instance of the `[sqlite3_mutex_methods]` structure. The  
 \*\* `[sqlite3_mutex_methods]`  
 \*\* structure is filled with the currently defined mutex routines.)^  
 \*\* This option can be used to overload the default mutex allocation  
 \*\* routines with a wrapper used to track mutex usage for performance  
 \*\* profiling or testing, for example. ^If SQLite is compiled with  
 \*\* the `[SQLITE_THREADSAFE | SQLITE_THREADSAFE=0]` compile-time option then  
 \*\* the entire mutexing  
 subsystem is omitted from the build and hence calls to  
 \*\* `[sqlite3_config()]` with the `SQLITE_CONFIG_GETMUTEX` configuration option will  
 \*\* return `[SQLITE_ERROR]`.</dd>  
 \*\*  
 \*\* `[SQLITE_CONFIG_LOOKASIDE]` <dt>`SQLITE_CONFIG_LOOKASIDE`</dt>  
 \*\* <dd> ^The `SQLITE_CONFIG_LOOKASIDE` option takes two arguments that determine  
 \*\* the default size of lookaside memory on each [database connection].  
 \*\* The first argument is the  
 \*\* size of each lookaside buffer slot and the second is the number of  
 \*\* slots allocated to each database connection.)^ ^(`SQLITE_CONFIG_LOOKASIDE`  
 \*\* sets the <i>default</i> lookaside size. The `[SQLITE_DBCONFIG_LOOKASIDE]`  
 \*\* option to `[sqlite3_db_config()]` can be used to change the lookaside  
 \*\* configuration on individual connections.)^ </dd>  
 \*\*  
 \*\* `[SQLITE_CONFIG_PCACHE2]` <dt>`SQLITE_CONFIG_PCACHE2`</dt>  
 \*\* <dd> ^The `SQLITE_CONFIG_PCACHE2` option takes a single argument which is  
 \*\* a pointer to an `[sqlite3_pcache_methods2]` object. This object specifies  
 \*\* the interface to a custom  
 page cache implementation.)^  
 \*\* ^SQLite makes a copy of the `[sqlite3_pcache_methods2]` object.</dd>  
 \*\*  
 \*\* `[SQLITE_CONFIG_GETPCACHE2]` <dt>`SQLITE_CONFIG_GETPCACHE2`</dt>  
 \*\* <dd> ^The `SQLITE_CONFIG_GETPCACHE2` option takes a single argument which  
 \*\* is a pointer to an `[sqlite3_pcache_methods2]` object. SQLite copies of  
 \*\* the current page cache implementation into that object.)^ </dd>  
 \*\*

**SQLITE\_CONFIG\_LOG** `SQLITE_CONFIG_LOG`  
 The `SQLITE_CONFIG_LOG` option is used to configure the SQLite global [error log].  
 The `SQLITE_CONFIG_LOG` option takes two arguments: a pointer to a function with a call signature of `void*(*)(void*,int,const char*)`, and a pointer to void. If the function pointer is not `NULL`, it is invoked by `[sqlite3_log()]` to process each logging event. If the function pointer is `NULL`, the `[sqlite3_log()]` interface becomes a no-op. The void pointer that is the second argument to `SQLITE_CONFIG_LOG` is passed through as the first parameter to the application-defined logger function whenever that function is invoked. The second parameter to the logger function is a copy of the first parameter to the corresponding `[sqlite3_log()]` call and is intended to be a [result code] or an [extended result code]. The third parameter passed to the logger is log message after formatting via `[sqlite3_snprintf()]`.  
 The SQLite logging interface is not reentrant; the logger function supplied by the application must not invoke any SQLite interface. In a multi-threaded application, the application-defined logger function must be threadsafe.

**SQLITE\_CONFIG\_URI** `SQLITE_CONFIG_URI`  
 The `SQLITE_CONFIG_URI` option takes a single argument of type `int`. If non-zero, then URI handling is globally enabled. If the parameter is zero, then URI handling is globally disabled. If URI handling is globally enabled, all filenames passed to `[sqlite3_open()]`, `[sqlite3_open_v2()]`, `[sqlite3_open16()]` or specified as part of `[ATTACH]` commands are interpreted as URIs, regardless of whether or not the `[SQLITE_OPEN_URI]` flag is set when the database connection is opened. If it is globally disabled, filenames are only interpreted as URIs if the `SQLITE_OPEN_URI` flag is set when the database connection is opened. (By default, URI handling is globally disabled. The default value may be changed by compiling with the `[SQLITE_USE_URI]` symbol defined.)

**SQLITE\_CONFIG\_COVERING\_INDEX\_SCAN** `SQLITE_CONFIG_COVERING_INDEX_SCAN`  
 The `SQLITE_CONFIG_COVERING_INDEX_SCAN` option takes a single integer argument which is interpreted as a boolean in order to enable or disable the use of covering indices for full table scans in the query optimizer. The default setting is determined by the `[SQLITE_ALLOW_COVERING_INDEX_SCAN]` compile-time option, or is "on" if that compile-time option is omitted. The ability to disable the use of covering indices for full table scans is because some incorrectly coded legacy applications might malfunction when the optimization is enabled. Providing the ability to disable the optimization allows the older, buggy application code to work

\*\* without change even with newer versions of SQLite.  
\*\*

\*\* [[SQLITE\_CONFIG\_PCACHE]] [[SQLITE\_CONFIG\_GETPCACHE]]  
\*\* <dt>SQLITE\_CONFIG\_PCACHE and SQLITE\_CONFIG\_GETPCACHE  
\*\* <dd> These options are obsolete and should not be used by new code.  
\*\* They are retained for backwards compatibility but are now no-ops.  
\*\* </dd>  
\*\*

\*\* [[SQLITE\_CONFIG\_SQLLOG]]  
\*\* <dt>SQLITE\_CONFIG\_SQLLOG  
\*\* <dd>This option is only available if sqlite is compiled with the  
\*\* [SQLITE\_ENABLE\_SQLLOG] pre-processor macro defined. The first argument should  
\*\* be a pointer to a function of type void(\*)(void\*,sqlite3\*,const char\*, int).  
\*\* The second should be of type (void\*). The callback is invoked by the library  
\*\* in three separate circumstances, identified by the value passed as the  
\*\*  
fourth parameter. If the fourth parameter is 0, then the database connection  
\*\* passed as the second argument has just been opened. The third argument  
\*\* points to a buffer containing the name of the main database file. If the  
\*\* fourth parameter is 1, then the SQL statement that the third parameter  
\*\* points to has just been executed. Or, if the fourth parameter is 2, then  
\*\* the connection being passed as the second parameter is being closed. The  
\*\* third parameter is passed NULL In this case. An example of using this  
\*\* configuration option can be seen in the "test\_sqllog.c" source file in  
\*\* the canonical SQLite source tree.</dd>  
\*\*

\*\* [[SQLITE\_CONFIG\_MMAP\_SIZE]]  
\*\* <dt>SQLITE\_CONFIG\_MMAP\_SIZE  
\*\* <dd>^SQLITE\_CONFIG\_MMAP\_SIZE takes two 64-bit integer (sqlite3\_int64) values  
\*\* that are the default mmap size limit (the default setting for  
\*\* [PRAGMA mmap\_size]) and the maximum allowed mmap size limit.  
\*\* ^The default setting can be overridden by each database connection using  
\*\* either  
the [PRAGMA mmap\_size] command, or by using the  
\*\* [SQLITE\_FCNTL\_MMAP\_SIZE] file control. ^(The maximum allowed mmap size  
\*\* will be silently truncated if necessary so that it does not exceed the  
\*\* compile-time maximum mmap size set by the  
\*\* [SQLITE\_MAX\_MMAP\_SIZE] compile-time option.)^  
\*\* ^If either argument to this option is negative, then that argument is  
\*\* changed to its compile-time default.  
\*\*

\*\* [[SQLITE\_CONFIG\_WIN32\_HEAPSIZE]]  
\*\* <dt>SQLITE\_CONFIG\_WIN32\_HEAPSIZE  
\*\* <dd>^The SQLITE\_CONFIG\_WIN32\_HEAPSIZE option is only available if SQLite is  
\*\* compiled for Windows with the [SQLITE\_WIN32\_MALLOC] pre-processor macro  
\*\* defined. ^SQLITE\_CONFIG\_WIN32\_HEAPSIZE takes a 32-bit unsigned integer value  
\*\* that specifies the maximum size of the created heap.  
\*\*



**SQLITE\_CONFIG\_PCACHE\_HDRSZ**  
 The `SQLITE_CONFIG_PCACHE_HDRSZ` option takes a single parameter which is a pointer to an integer and writes into that integer the number of extra bytes per page required for each page in `SQLITE_CONFIG_PAGECACHE`. The amount of extra space required can change depending on the compiler, target platform, and SQLite version.

**SQLITE\_CONFIG\_PMASZ**  
 The `SQLITE_CONFIG_PMASZ` option takes a single parameter which is an unsigned integer and sets the "Minimum PMA Size" for the multithreaded sorter to that integer. The default minimum PMA Size is set by the `SQLITE_SORTER_PMASZ` compile-time option. New threads are launched to help with sort operations when multithreaded sorting is enabled (using the `PRAGMA threads` command) and the amount of content to be sorted exceeds the page size times the minimum of the `PRAGMA cache_size` setting and this value.

**SQLITE\_CONFIG\_STMTJRNL\_SPILL**  
 The `SQLITE_CONFIG_STMTJRNL_SPILL` option takes a single parameter which becomes the [statement journal] spill-to-disk threshold.

[Statement journals] are held in memory until their size (in bytes) exceeds this threshold, at which point they are written to disk. Or if the threshold is -1, statement journals are always held exclusively in memory. Since many statement journals never become large, setting the spill threshold to a value such as 64KiB can greatly reduce the amount of I/O required to support statement rollback. The default value for this setting is controlled by the `SQLITE_STMTJRNL_SPILL` compile-time option.

**SQLITE\_CONFIG\_SORTERREF\_SIZE**  
 The `SQLITE_CONFIG_SORTERREF_SIZE` option accepts a single parameter of type (int) - the new value of the sorter-reference size threshold. Usually, when SQLite uses an external sort to order records according to an `ORDER BY` clause, all fields required by the caller are present in the sorted records. However, if SQLite determines based on the declared type of a table column that its values are likely to be very large - larger than the configured sorter-reference size threshold - then a reference is stored in each sorted record and the required column values loaded from the database as records are returned in sorted order. The default value for this option is to never use this optimization. Specifying a

\*\* negative value for this option restores the default behaviour.  
 \*\* This option is only available if SQLite is compiled with the  
 \*\* [SQLITE\_ENABLE\_SORTER\_REFERENCES] compile-time option.  
 \*\*  
 \*\* [[SQLITE\_CONFIG\_MEMDB\_MAXSIZE]]  
 \*\* <dt>SQLITE\_CONFIG\_MEMDB\_MAXSIZE  
 \*\* <dd>The SQLITE\_CONFIG\_MEMDB\_MAXSIZE option accepts a single parameter  
 \*\* [sqlite3\_int64] parameter which is the default maximum size for an in-memory  
 \*\* database created using [sqlite3\_deserialize()]. This default maximum  
 \*\* size can be adjusted up or down for individual databases using the  
 \*\* [SQLITE\_FCNTL\_SIZE\_LIMIT] [sqlite3\_file\_control|file-control]. If this  
 \*\* configuration setting is  
 never used, then the default maximum is determined  
 \*\* by the [SQLITE\_MEMDB\_DEFAULT\_MAXSIZE] compile-time option. If that  
 \*\* compile-time option is not set, then the default maximum is 1073741824.  
 \*\* </dl>  
 \*/

Found in path(s):

\* /opt/cola/permits/1460468423\_1667577396.9698634/0/sqlite-amalgamation-3390400-1-zip/sqlite-amalgamation-3390400/sqlite3.h

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

/\*

\*\* CAPI3REF: Configuration Options

\*\* KEYWORDS: {configuration option}

\*\*

\*\* These constants are the available integer configuration options that  
 \*\* can be passed as the first argument to the [sqlite3\_config()] interface.

\*\*

\*\* New configuration options may be added in future releases of SQLite.  
 \*\* Existing configuration options might be discontinued. Applications  
 \*\* should check the return code from [sqlite3\_config()] to make sure that  
 \*\* the call worked. The [sqlite3\_config()] interface will return a  
 \*\* non-zero [error code] if a discontinued or unsupported configuration option  
 \*\* is invoked.

\*\*

\*\* <dl>

\*\* [[SQLITE\_CONFIG\_SINGLETHREAD]] <dt>SQLITE\_CONFIG\_SINGLETHREAD</dt>

\*\* <dd>There are no arguments to this option. ^This option sets the  
 \*\* [threading mode] to Single-thread. In other words, it disables  
 \*\* all mutexing and puts SQLite into a mode where it can only be used  
 \*\* by a single thread. ^If SQLite

is compiled with

\*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option then

\*\* it is not possible to change the [threading mode] from its default

\*\* value of Single-thread and so [sqlite3\_config()] will return

\*\* [SQLITE\_ERROR] if called with the SQLITE\_CONFIG\_SINGLETHREAD

\*\* configuration option.</dd>  
\*\*  
\*\* [[SQLITE\_CONFIG\_MULTITHREAD]] <dt>SQLITE\_CONFIG\_MULTITHREAD</dt>  
\*\* <dd>There are no arguments to this option. ^This option sets the  
\*\* [threading mode] to Multi-thread. In other words, it disables  
\*\* mutexing on [database connection] and [prepared statement] objects.  
\*\* The application is responsible for serializing access to  
\*\* [database connections] and [prepared statements]. But other mutexes  
\*\* are enabled so that SQLite will be safe to use in a multi-threaded  
\*\* environment as long as no two threads attempt to use the same  
\*\* [database connection] at the same time. ^If SQLite is compiled with  
\*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option  
then  
\*\* it is not possible to set the Multi-thread [threading mode] and  
\*\* [sqlite3\_config()] will return [SQLITE\_ERROR] if called with the  
\*\* SQLITE\_CONFIG\_MULTITHREAD configuration option.</dd>  
\*\*  
\*\* [[SQLITE\_CONFIG\_SERIALIZED]] <dt>SQLITE\_CONFIG\_SERIALIZED</dt>  
\*\* <dd>There are no arguments to this option. ^This option sets the  
\*\* [threading mode] to Serialized. In other words, this option enables  
\*\* all mutexes including the recursive  
\*\* mutexes on [database connection] and [prepared statement] objects.  
\*\* In this mode (which is the default when SQLite is compiled with  
\*\* [SQLITE\_THREADSAFE=1]) the SQLite library will itself serialize access  
\*\* to [database connections] and [prepared statements] so that the  
\*\* application is free to use the same [database connection] or the  
\*\* same [prepared statement] in different threads at the same time.  
\*\* ^If SQLite is compiled with  
\*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option then  
\*\* it is not possible to set the  
Serialized [threading mode] and  
\*\* [sqlite3\_config()] will return [SQLITE\_ERROR] if called with the  
\*\* SQLITE\_CONFIG\_SERIALIZED configuration option.</dd>  
\*\*  
\*\* [[SQLITE\_CONFIG\_MALLOC]] <dt>SQLITE\_CONFIG\_MALLOC</dt>  
\*\* <dd> ^The SQLITE\_CONFIG\_MALLOC option takes a single argument which is  
\*\* a pointer to an instance of the [sqlite3\_mem\_methods] structure.  
\*\* The argument specifies  
\*\* alternative low-level memory allocation routines to be used in place of  
\*\* the memory allocation routines built into SQLite.)^ ^SQLite makes  
\*\* its own private copy of the content of the [sqlite3\_mem\_methods] structure  
\*\* before the [sqlite3\_config()] call returns.</dd>  
\*\*  
\*\* [[SQLITE\_CONFIG\_GETMALLOC]] <dt>SQLITE\_CONFIG\_GETMALLOC</dt>  
\*\* <dd> ^The SQLITE\_CONFIG\_GETMALLOC option takes a single argument which  
\*\* is a pointer to an instance of the [sqlite3\_mem\_methods] structure.  
\*\* The [sqlite3\_mem\_methods]  
\*\* structure is filled with the currently defined memory allocation routines.)^

\*\* This option can  
 be used to overload the default memory allocation  
 routines with a wrapper that simulations memory allocation failure or  
 tracks memory usage, for example. </dd>

\*\*  
 \*\* [[SQLITE\_CONFIG\_SMALL\_MALLOC]] <dt>SQLITE\_CONFIG\_SMALL\_MALLOC</dt>  
 \*\* <dd> ^The SQLITE\_CONFIG\_SMALL\_MALLOC option takes single argument of  
 type int, interpreted as a boolean, which if true provides a hint to  
 SQLite that it should avoid large memory allocations if possible.  
 SQLite will run faster if it is free to make large memory allocations,  
 but some application might prefer to run slower in exchange for  
 guarantees about memory fragmentation that are possible if large  
 allocations are avoided. This hint is normally off.  
 </dd>

\*\*  
 \*\* [[SQLITE\_CONFIG\_MEMSTATUS]] <dt>SQLITE\_CONFIG\_MEMSTATUS</dt>  
 \*\* <dd> ^The SQLITE\_CONFIG\_MEMSTATUS option takes single argument of type int,  
 interpreted as a boolean, which enables or disables the collection of  
 memory allocation statistics. ^(When memory allocation  
 statistics are  
 disabled, the following SQLite interfaces become non-operational:  
 <ul>  
 <li> [sqlite3\_hard\_heap\_limit64()]  
 <li> [sqlite3\_memory\_used()]  
 <li> [sqlite3\_memory\_highwater()]  
 <li> [sqlite3\_soft\_heap\_limit64()]  
 <li> [sqlite3\_status64()]  
 </ul>)^  
 ^Memory allocation statistics are enabled by default unless SQLite is  
 compiled with [SQLITE\_DEFAULT\_MEMSTATUS]=0 in which case memory  
 allocation statistics are disabled by default.  
 </dd>

\*\*  
 \*\* [[SQLITE\_CONFIG\_SCRATCH]] <dt>SQLITE\_CONFIG\_SCRATCH</dt>  
 \*\* <dd> The SQLITE\_CONFIG\_SCRATCH option is no longer used.  
 </dd>

\*\*  
 \*\* [[SQLITE\_CONFIG\_PAGECACHE]] <dt>SQLITE\_CONFIG\_PAGECACHE</dt>  
 \*\* <dd> ^The SQLITE\_CONFIG\_PAGECACHE option specifies a memory pool  
 that SQLite can use for the database page cache with the default page  
 cache implementation.  
 This configuration option is a no-op if an application-defined page  
 cache implementation is loaded using the [SQLITE\_CONFIG\_PCACHE2].  
 \*\*  
 ^There are three arguments to SQLITE\_CONFIG\_PAGECACHE: A pointer to  
 8-byte aligned memory (pMem), the size of each page cache line (sz),  
 and the number of cache lines (N).  
 The sz argument should be the size of the largest database page

\*\* (a power of two between 512 and 65536) plus some extra bytes for each  
 \*\* page header. ^The number of extra bytes needed by the page header  
 \*\* can be determined using [SQLITE\_CONFIG\_PCACHE\_HDRSZ].  
 \*\* ^It is harmless, apart from the wasted memory,  
 \*\* for the sz parameter to be larger than necessary. The pMem  
 \*\* argument must be either a NULL pointer or a pointer to an 8-byte  
 \*\* aligned block of memory of at least sz\*N bytes, otherwise  
 \*\* subsequent behavior is undefined.  
 \*\* ^When pMem is not NULL, SQLite will strive to use the memory provided  
 \*\* to satisfy page cache needs, falling back to [sqlite3\_malloc()] if  
 \*\* a page cache line is larger than sz bytes or if all of the pMem buffer  
 \*\* is exhausted.  
 \*\* ^If pMem is NULL and N is non-zero, then  
 each database connection  
 \*\* does an initial bulk allocation for page cache memory  
 \*\* from [sqlite3\_malloc()] sufficient for N cache lines if N is positive or  
 \*\* of -1024\*N bytes if N is negative. . ^If additional  
 \*\* page cache memory is needed beyond what is provided by the initial  
 \*\* allocation, then SQLite goes to [sqlite3\_malloc()] separately for each  
 \*\* additional cache line. </dd>  
 \*\*  
 \*\* [[SQLITE\_CONFIG\_HEAP]] <dt>SQLITE\_CONFIG\_HEAP</dt>  
 \*\* <dd> ^The SQLITE\_CONFIG\_HEAP option specifies a static memory buffer  
 \*\* that SQLite will use for all of its dynamic memory allocation needs  
 \*\* beyond those provided for by [SQLITE\_CONFIG\_PAGECACHE].  
 \*\* ^The SQLITE\_CONFIG\_HEAP option is only available if SQLite is compiled  
 \*\* with either [SQLITE\_ENABLE\_MEMSYS3] or [SQLITE\_ENABLE\_MEMSYS5] and returns  
 \*\* [SQLITE\_ERROR] if invoked otherwise.  
 \*\* ^There are three arguments to SQLITE\_CONFIG\_HEAP:  
 \*\* An 8-byte aligned pointer to the memory,  
 \*\* the number of bytes in the memory buffer, and the minimum  
 allocation size.  
 \*\* ^If the first pointer (the memory pointer) is NULL, then SQLite reverts  
 \*\* to using its default memory allocator (the system malloc() implementation),  
 \*\* undoing any prior invocation of [SQLITE\_CONFIG\_MALLOC]. ^If the  
 \*\* memory pointer is not NULL then the alternative memory  
 \*\* allocator is engaged to handle all of SQLites memory allocation needs.  
 \*\* The first pointer (the memory pointer) must be aligned to an 8-byte  
 \*\* boundary or subsequent behavior of SQLite will be undefined.  
 \*\* The minimum allocation size is capped at 2\*\*12. Reasonable values  
 \*\* for the minimum allocation size are 2\*\*5 through 2\*\*8.</dd>  
 \*\*  
 \*\* [[SQLITE\_CONFIG\_MUTEX]] <dt>SQLITE\_CONFIG\_MUTEX</dt>  
 \*\* <dd> ^The SQLITE\_CONFIG\_MUTEX option takes a single argument which is a  
 \*\* pointer to an instance of the [sqlite3\_mutex\_methods] structure.  
 \*\* The argument specifies alternative low-level mutex routines to be used  
 \*\* in place the mutex routines built into SQLite.)^ ^SQLite makes a copy of  
 \*\* the

content of the [sqlite3\_mutex\_methods] structure before the call to

\*\* [sqlite3\_config()] returns. ^If SQLite is compiled with

\*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option then

\*\* the entire mutexing subsystem is omitted from the build and hence calls to

\*\* [sqlite3\_config()] with the SQLITE\_CONFIG\_MUTEX configuration option will

\*\* return [SQLITE\_ERROR].</dd>

\*\*

\*\* [[SQLITE\_CONFIG\_GETMUTEX]] <dt>SQLITE\_CONFIG\_GETMUTEX</dt>

\*\* <dd> ^The SQLITE\_CONFIG\_GETMUTEX option takes a single argument which

\*\* is a pointer to an instance of the [sqlite3\_mutex\_methods] structure. The

\*\* [sqlite3\_mutex\_methods]

\*\* structure is filled with the currently defined mutex routines.)^

\*\* This option can be used to overload the default mutex allocation

\*\* routines with a wrapper used to track mutex usage for performance

\*\* profiling or testing, for example. ^If SQLite is compiled with

\*\* the [SQLITE\_THREADSAFE | SQLITE\_THREADSAFE=0] compile-time option then

\*\* the entire mutexing

subsystem is omitted from the build and hence calls to

\*\* [sqlite3\_config()] with the SQLITE\_CONFIG\_GETMUTEX configuration option will

\*\* return [SQLITE\_ERROR].</dd>

\*\*

\*\* [[SQLITE\_CONFIG\_LOOKASIDE]] <dt>SQLITE\_CONFIG\_LOOKASIDE</dt>

\*\* <dd> ^The SQLITE\_CONFIG\_LOOKASIDE option takes two arguments that determine

\*\* the default size of lookaside memory on each [database connection].

\*\* The first argument is the

\*\* size of each lookaside buffer slot and the second is the number of

\*\* slots allocated to each database connection.)^ ^([SQLITE\_CONFIG\_LOOKASIDE]

\*\* sets the <i>default</i> lookaside size. The [SQLITE\_DBCONFIG\_LOOKASIDE]

\*\* option to [sqlite3\_db\_config()] can be used to change the lookaside

\*\* configuration on individual connections.)^ </dd>

\*\*

\*\* [[SQLITE\_CONFIG\_PCACHE2]] <dt>SQLITE\_CONFIG\_PCACHE2</dt>

\*\* <dd> ^The SQLITE\_CONFIG\_PCACHE2 option takes a single argument which is

\*\* a pointer to an [sqlite3\_pcache\_methods2] object. This object specifies

\*\* the interface to a custom

page cache implementation.)^

\*\* ^SQLite makes a copy of the [sqlite3\_pcache\_methods2] object.</dd>

\*\*

\*\* [[SQLITE\_CONFIG\_GETPCACHE2]] <dt>SQLITE\_CONFIG\_GETPCACHE2</dt>

\*\* <dd> ^The SQLITE\_CONFIG\_GETPCACHE2 option takes a single argument which

\*\* is a pointer to an [sqlite3\_pcache\_methods2] object. SQLite copies of

\*\* the current page cache implementation into that object.)^ </dd>

\*\*

\*\* [[SQLITE\_CONFIG\_LOG]] <dt>SQLITE\_CONFIG\_LOG</dt>

\*\* <dd> The SQLITE\_CONFIG\_LOG option is used to configure the SQLite

\*\* global [error log].

\*\* (^The SQLITE\_CONFIG\_LOG option takes two arguments: a pointer to a

\*\* function with a call signature of void (\*)(void\*,int,const char\*),

\*\* and a pointer to void. ^If the function pointer is not NULL, it is  
 \*\* invoked by [sqlite3\_log()] to process each logging event. ^If the  
 \*\* function pointer is NULL, the [sqlite3\_log()] interface becomes a no-op.  
 \*\* ^The void pointer that is the second argument to SQLITE\_CONFIG\_LOG is  
 \*\* passed through as the first parameter  
 \*\* to the application-defined logger  
 \*\* function whenever that function is invoked. ^The second parameter to  
 \*\* the logger function is a copy of the first parameter to the corresponding  
 \*\* [sqlite3\_log()] call and is intended to be a [result code] or an  
 \*\* [extended result code]. ^The third parameter passed to the logger is  
 \*\* log message after formatting via [sqlite3\_snprintf()].  
 \*\* The SQLite logging interface is not reentrant; the logger function  
 \*\* supplied by the application must not invoke any SQLite interface.  
 \*\* In a multi-threaded application, the application-defined logger  
 \*\* function must be threadsafe. </dd>  
 \*\*  
 \*\* [[SQLITE\_CONFIG\_URI]] <dt>SQLITE\_CONFIG\_URI  
 \*\* <dd>^(The SQLITE\_CONFIG\_URI option takes a single argument of type int.  
 \*\* If non-zero, then URI handling is globally enabled. If the parameter is zero,  
 \*\* then URI handling is globally disabled.)^ ^If URI handling is globally  
 \*\* enabled, all filenames passed to [sqlite3\_open()], [sqlite3\_open\_v2()],  
 \*\* [sqlite3\_open16()  
 \*\* or  
 \*\* specified as part of [ATTACH] commands are interpreted as URIs, regardless  
 \*\* of whether or not the [SQLITE\_OPEN\_URI] flag is set when the database  
 \*\* connection is opened. ^If it is globally disabled, filenames are  
 \*\* only interpreted as URIs if the SQLITE\_OPEN\_URI flag is set when the  
 \*\* database connection is opened. ^By default, URI handling is globally  
 \*\* disabled. The default value may be changed by compiling with the  
 \*\* [SQLITE\_USE\_URI] symbol defined.)^  
 \*\*  
 \*\* [[SQLITE\_CONFIG\_COVERING\_INDEX\_SCAN]] <dt>SQLITE\_CONFIG\_COVERING\_INDEX\_SCAN  
 \*\* <dd>^The SQLITE\_CONFIG\_COVERING\_INDEX\_SCAN option takes a single integer  
 \*\* argument which is interpreted as a boolean in order to enable or disable  
 \*\* the use of covering indices for full table scans in the query optimizer.  
 \*\* ^The default setting is determined  
 \*\* by the [SQLITE\_ALLOW\_COVERING\_INDEX\_SCAN] compile-time option, or is "on"  
 \*\* if that compile-time option is omitted.  
 \*\* The ability to disable the use of covering indices  
 \*\* for full table scans  
 \*\* is because some incorrectly coded legacy applications might malfunction  
 \*\* when the optimization is enabled. Providing the ability to  
 \*\* disable the optimization allows the older, buggy application code to work  
 \*\* without change even with newer versions of SQLite.  
 \*\*  
 \*\* [[SQLITE\_CONFIG\_PCACHE]] [[SQLITE\_CONFIG\_GETPCACHE]]  
 \*\* <dt>SQLITE\_CONFIG\_PCACHE and SQLITE\_CONFIG\_GETPCACHE  
 \*\* <dd> These options are obsolete and should not be used by new code.

\*\* They are retained for backwards compatibility but are now no-ops.  
\*\* </dd>  
\*\*

\*\* [[SQLITE\_CONFIG\_SQLLOG]]  
\*\* <dt>SQLITE\_CONFIG\_SQLLOG  
\*\* <dd>This option is only available if sqlite is compiled with the  
\*\* [SQLITE\_ENABLE\_SQLLOG] pre-processor macro defined. The first argument should  
\*\* be a pointer to a function of type void\*(void\*,sqlite3\*,const char\*, int).  
\*\* The second should be of type (void\*). The callback is invoked by the library  
\*\* in three separate circumstances, identified by the value passed as the  
\*\*  
fourth parameter. If the fourth parameter is 0, then the database connection  
\*\* passed as the second argument has just been opened. The third argument  
\*\* points to a buffer containing the name of the main database file. If the  
\*\* fourth parameter is 1, then the SQL statement that the third parameter  
\*\* points to has just been executed. Or, if the fourth parameter is 2, then  
\*\* the connection being passed as the second parameter is being closed. The  
\*\* third parameter is passed NULL In this case. An example of using this  
\*\* configuration option can be seen in the "test\_sqllog.c" source file in  
\*\* the canonical SQLite source tree.</dd>  
\*\*

\*\* [[SQLITE\_CONFIG\_MMAP\_SIZE]]  
\*\* <dt>SQLITE\_CONFIG\_MMAP\_SIZE  
\*\* <dd>^SQLITE\_CONFIG\_MMAP\_SIZE takes two 64-bit integer (sqlite3\_int64) values  
\*\* that are the default mmap size limit (the default setting for  
\*\* [PRAGMA mmap\_size]) and the maximum allowed mmap size limit.  
\*\* ^The default setting can be overridden by each database connection using  
\*\* either  
the [PRAGMA mmap\_size] command, or by using the  
\*\* [SQLITE\_FCNTL\_MMAP\_SIZE] file control. ^(The maximum allowed mmap size  
\*\* will be silently truncated if necessary so that it does not exceed the  
\*\* compile-time maximum mmap size set by the  
\*\* [SQLITE\_MAX\_MMAP\_SIZE] compile-time option.)^  
\*\* ^If either argument to this option is negative, then that argument is  
\*\* changed to its compile-time default.  
\*\*

\*\* [[SQLITE\_CONFIG\_WIN32\_HEAPSIZE]]  
\*\* <dt>SQLITE\_CONFIG\_WIN32\_HEAPSIZE  
\*\* <dd>^The SQLITE\_CONFIG\_WIN32\_HEAPSIZE option is only available if SQLite is  
\*\* compiled for Windows with the [SQLITE\_WIN32\_MALLOC] pre-processor macro  
\*\* defined. ^SQLITE\_CONFIG\_WIN32\_HEAPSIZE takes a 32-bit unsigned integer value  
\*\* that specifies the maximum size of the created heap.  
\*\*

\*\* [[SQLITE\_CONFIG\_PCACHE\_HDRSZ]]  
\*\* <dt>SQLITE\_CONFIG\_PCACHE\_HDRSZ  
\*\* <dd>^The SQLITE\_CONFIG\_PCACHE\_HDRSZ option takes a single parameter which  
\*\* is a pointer to an integer and writes into that integer the number of extra  
\*\*



bytes per page required for each page in [SQLITE\_CONFIG\_PAGECACHE].

\*\* The amount of extra space required can change depending on the compiler,  
 \*\* target platform, and SQLite version.  
 \*\*

\*\* [[SQLITE\_CONFIG\_PMASZ]]  
 \*\* <dt>SQLITE\_CONFIG\_PMASZ  
 \*\* <dd>^The SQLITE\_CONFIG\_PMASZ option takes a single parameter which  
 \*\* is an unsigned integer and sets the "Minimum PMA Size" for the multithreaded  
 \*\* sorter to that integer. The default minimum PMA Size is set by the  
 \*\* [SQLITE\_SORTER\_PMASZ] compile-time option. New threads are launched  
 \*\* to help with sort operations when multithreaded sorting  
 \*\* is enabled (using the [PRAGMA threads] command) and the amount of content  
 \*\* to be sorted exceeds the page size times the minimum of the  
 \*\* [PRAGMA cache\_size] setting and this value.  
 \*\*

\*\* [[SQLITE\_CONFIG\_STMTJRNL\_SPILL]]  
 \*\* <dt>SQLITE\_CONFIG\_STMTJRNL\_SPILL  
 \*\* <dd>^The SQLITE\_CONFIG\_STMTJRNL\_SPILL option takes a single parameter which  
 \*\* becomes the [statement journal] spill-to-disk threshold.  
 \*\*

[Statement journals] are held in memory until their size (in bytes)  
 \*\* exceeds this threshold, at which point they are written to disk.  
 \*\* Or if the threshold is -1, statement journals are always held  
 \*\* exclusively in memory.  
 \*\* Since many statement journals never become large, setting the spill  
 \*\* threshold to a value such as 64KiB can greatly reduce the amount of  
 \*\* I/O required to support statement rollback.  
 \*\* The default value for this setting is controlled by the  
 \*\* [SQLITE\_STMTJRNL\_SPILL] compile-time option.  
 \*\*

\*\* [[SQLITE\_CONFIG\_SORTERREF\_SIZE]]  
 \*\* <dt>SQLITE\_CONFIG\_SORTERREF\_SIZE  
 \*\* <dd>The SQLITE\_CONFIG\_SORTERREF\_SIZE option accepts a single parameter  
 \*\* of type (int) - the new value of the sorter-reference size threshold.  
 \*\* Usually, when SQLite uses an external sort to order records according  
 \*\* to an ORDER BY clause, all fields required by the caller are present in the  
 \*\* sorted records. However, if SQLite determines based on the declared type  
 \*\* of a table column that  
 its values are likely to be very large - larger  
 \*\* than the configured sorter-reference size threshold - then a reference  
 \*\* is stored in each sorted record and the required column values loaded  
 \*\* from the database as records are returned in sorted order. The default  
 \*\* value for this option is to never use this optimization. Specifying a  
 \*\* negative value for this option restores the default behaviour.  
 \*\* This option is only available if SQLite is compiled with the  
 \*\* [SQLITE\_ENABLE\_SORTER\_REFERENCES] compile-time option.  
 \*\*

\*\* [[SQLITE\_CONFIG\_MEMDB\_MAXSIZE]]

```

** <dt>SQLITE_CONFIG_MEMDB_MAXSIZE
** <dd>The SQLITE_CONFIG_MEMDB_MAXSIZE option accepts a single parameter
** [sqlite3_int64] parameter which is the default maximum size for an in-memory
** database created using [sqlite3_deserialize()]. This default maximum
** size can be adjusted up or down for individual databases using the
** [SQLITE_FCNTL_SIZE_LIMIT] [sqlite3_file_control|file-control]. If this
** configuration setting is
never used, then the default maximum is determined
** by the [SQLITE_MEMDB_DEFAULT_MAXSIZE] compile-time option. If that
** compile-time option is not set, then the default maximum is 1073741824.
** </dd>
*/
/*
** The "printf" code that follows dates from the 1980's. It is in
** the public domain.
**
*****
**
** This file contains code for a set of "printf"-like routines. These
** routines format strings much like the printf() from the standard C
** library, though the implementation here has enhancements to support
** SQLite.
**
*/
/*
** 2004 May 22
**
** The author disclaims copyright to this source code. In place of
** a legal notice, here is a blessing:
**
**   May you do good and not evil.
**   May you find forgiveness for yourself and forgive others.
**   May you share freely, never taking more than you give.
**
*****
**
** This file
contains the VFS implementation for unix-like operating systems
** include Linux, MacOSX, *BSD, QNX, VxWorks, AIX, HPUX, and others.
**
** There are actually several different VFS implementations in this file.
** The differences are in the way that file locking is done. The default
** implementation uses Posix Advisory Locks. Alternative implementations
** use flock(), dot-files, various proprietary locking schemas, or simply
** skip locking all together.
**
** This source file is organized into divisions where the logic for various
** subfunctions is contained within the appropriate division. PLEASE
** KEEP THE STRUCTURE OF THIS FILE INTACT. New code should be placed

```

```

** in the correct division and should be clearly labeled.
**
** The layout of divisions is as follows:
**
** * General-purpose declarations and utility functions.
** * Unique file ID logic used by VxWorks.
** * Various locking primitive implementations (all except proxy locking):
**   + for Posix Advisory
Locks
**   + for no-op locks
**   + for dot-file locks
**   + for flock() locking
**   + for named semaphore locks (VxWorks only)
**   + for AFP filesystem locks (MacOSX only)
** * sqlite3_file methods not associated with locking.
** * Definitions of sqlite3_io_methods objects for all locking
**   methods plus "finder" functions for each locking method.
** * sqlite3_vfs method implementations.
** * Locking primitives for the proxy uber-locking-method. (MacOSX only)
** * Definitions of sqlite3_vfs objects for all locking methods
**   plus implementations of sqlite3_os_init() and sqlite3_os_end().
*/
/*
** Return a pointer to the "temporary page" buffer held internally
** by the pager. This is a buffer that is big enough to hold the
** entire content of a database page. This buffer is used internally
** during rollback and will be overwritten whenever a rollback
** occurs. But other modules are free to use it too, as long as
** no rollbacks are happening.
*/

```

Found

in path(s):

```

* /opt/cola/permits/1460468423_1667577396.9698634/0/sqlite-amalgamation-3390400-1-zip/sqlite-amalgamation-3390400/sqlite3.c

```

# 1.451 gosqlite 1.14.16

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# 1.452 sqlite 3.31.1-4ubuntu0.5

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

Upstream-Name: sqlite3

Source: <https://www.sqlite.org/cgi/src/dir?ci=trunk>

Files: \*

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## 1.453 fzambia-eagle 0.0.2

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## 1.455 sockjs 3.0.2

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# 1.457 blevesearch-mmap-go 1.0.4

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# 1.459 centrifugal-centrifuge 0.25.0

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## 1.463 pierrec-lz4 4.1.17



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## 1.464 sarama 1.37.2

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#### A. HISTORY OF THE SOFTWARE

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

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)

2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
3.1.2	3.1	2010	PSF	yes
3.2	3.1	2010	PSF	yes

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,

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The Distutils2 project was started by Tarek Ziad and is currently  
maintained by ric Araujo. Many people have contributed to the project.

distlib has started off using some of the code from distutil2.

If you're making a patch, please add your name below in alphabetical order,  
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Jean-loup Gailly      Mark Adler  
jloup@zip.org        madler@alumni.caltech.edu

## 1.469 expat 2.2.9-1ubuntu0.6

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Bodecker DellaMaria <bojdell@gmail.com>

Edward Betts <edward@4angle.com>

Faiz Abbasi <faizamodo@gmail.com>

Gary Burd <gary@beagledreams.com>

Jan Mercl <0xjnm@gmail.com>

Muhammad Surya <surya.asriadie@gmail.com>

Santiago De la Cruz <delacruzsantiago12@gmail.com>

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For lib/py/compat/win32/stdint.h

// ISO C9x compliantstdint.h for Microsoft Visual Studio

// Based on ISO/IEC 9899:TC2 Committee draft (May 6, 2005) WG14/N1124

//

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    //
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
```

```

// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()

// TODO: Use client.
_ = c
}

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request
        struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
    // TODO: Fill request struct fields.
    // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "cloud.google.com/go/compute/apiv1/computepb"
    "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will
    require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options

```

```

c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()

// TODO: Use client.
_ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &compute.DeleteLicenseRequest{
        //
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#DeleteLicenseRequest.
    }
    op, err := c.Delete(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }

    err = op.Wait(ctx)
    if err != nil {
        // TODO: Handle error.
    }
}

func ExampleLicensesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {

```



```

// TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetLicenseRequest.
}
resp,
err := c.Get(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.GetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetIamPolicyLicenseRequest.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Insert()
{
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.

```

```

// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()

req := &computepb.InsertLicenseRequest{
    // TODO: Fill request struct fields.
    // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#InsertLicenseRequest.
}
op, err := c.Insert(ctx, req)
if err != nil {
    // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
    // TODO: Handle error.
}
}

func ExampleLicensesClient_List() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template
    // only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.ListLicensesRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
    }
    it := c.List(ctx, req)
    for {
        resp, err := it.Next()
        if err == iterator.Done {
            break
        }
        if err != nil {

```

```

    // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
    }
}

func ExampleLicensesClient_SetIamPolicy() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range
    values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.SetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#SetIamPolicyLicenseRequest.
    }
    resp, err := c.SetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown
    in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseRequest{

```

```

// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "math"
    "net/http"
    "net/url"

    computepb "cloud.google.com/go/compute/apiv1/computepb"
    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport
    "google.golang.org/api/transport/http"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"

```

```

"google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
    Delete      []gax.CallOption
    Get        []gax.CallOption
    GetIamPolicy []gax.CallOption
    Insert     []gax.CallOption
    List       []gax.CallOption
    SetIamPolicy []gax.CallOption
    TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
    return &LicensesCallOptions{
        Delete:      []gax.CallOption{ },
        Get:         []gax.CallOption{ },
        GetIamPolicy: []gax.CallOption{ },
        Insert:     []gax.CallOption{ },
        List:       []gax.CallOption{ },
        SetIamPolicy: []gax.CallOption{ },
        TestIamPermissions: []gax.CallOption{ },
    }
}

//
internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
    Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
    GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
    error)
    Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
    List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
    SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
    error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

// LicensesClient

```

```

is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
// The internal transport-dependent client.
internalClient internalLicensesClient

// The call options for this service.
CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {

```

```

return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method
to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
// The http endpoint to connect to.

```

```

endpoint string

// The http client.
httpClient *http.Client

// operationClient is used to call the operation-specific management service.
operationClient *GlobalOperationsClient

// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD

// Points back to the CallOptions field of the containing LicensesClient
CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption)
(*LicensesClient, error) {
    clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }

    callOpts := defaultLicensesRESTCallOptions()
    c := &licensesRESTClient{
        endpoint: endpoint,
        httpClient: httpClient,
        CallOptions: &callOpts,
    }
    c.setGoogleClientInfo()

    o := []option.ClientOption{
        option.WithHTTPClient(httpClient),
        option.WithEndpoint(endpoint),
    }
    opC, err := NewGlobalOperationsRESTClient(ctx, o...)
    if err != nil {
        return nil, err
    }
    c.operationClient = opC

    return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {

```



```

return []option.ClientOption{
    internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
    internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
    internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
    internaloption.WithDefaultScopes(DefaultAuthScopes()),
}
}

//
setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    if err := c.operationClient.Close(); err != nil {
        return err
    }
    return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection()
*grpc.ClientConn {
    return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    params := url.Values{ }

```

```

if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
"application/json"))
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return maybeUnknownEnum(err)
    }

    return nil
}, opts...)
if e != nil {

```

```

return nil, e
}
op := &Operation{
  &globalOperationsHandle{
    c:
      c.operationClient,
    proto: resp,
    project: req.GetProject(),
  },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
    return nil, err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

  // Build HTTP headers from client and context metadata.
  md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
  url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

  headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
  opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)],
  opts...)
  unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
  resp := &computepb.License{}
  e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
      baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
      return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpResp, err := c.httpClient.Do(httpReq)
    if err != nil {
      return err
    }
    defer httpResp.Body.Close()

```

```

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

```

```

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

```

```

if err := unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

```

```

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

```

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }

```

```

    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

```

```

    params := url.Values{ }
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

```

```

    baseUrl.RawQuery = params.Encode()

```

// Build HTTP headers from client and context metadata.

```

    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

```

```

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
"application/json"))

```

```

    opts =

```

```

append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
resp := &computepb.Policy{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return maybeUnknownEnum(err)
    }

    return nil
}, opts...)
if e != nil {
    return
    nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{ AllowPartial: true }

```

```

body := req.GetLicenseResource()
jsonReq, err := m.Marshal(body)
if err != nil {
    return nil, err
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
    return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{ }
if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v", "project",
url.QueryEscape(req.GetProject())))

headers
:= buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
resp := &compute.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpResp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpResp.Body.Close()

    if err = googleapi.CheckResponse(httpResp); err != nil {
        return err
    }
}

```

```

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return
nil
}, opts...)
if e != nil {
    return nil, e
}
op := &Operation{
    &globalOperationsHandle{
        c:    c.operationClient,
        proto: resp,
        project: req.GetProject(),
    },
}
return op, nil
}

```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
    it := &LicenseIterator{}
    req = proto.Clone(req).(*computepb.ListLicensesRequest)
    unmarshalOptions := unmarshalOptions{AllowPartial: true,
    DiscardUnknown: true}
    it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
        resp := &computepb.LicensesListResponse{}
        if pageToken != "" {
            req.PageToken = proto.String(pageToken)
        }
        if pageSize > math.MaxInt32 {
            req.MaxResults = proto.Uint32(math.MaxInt32)
        } else if pageSize != 0 {
            req.MaxResults = proto.Uint32(uint32(pageSize))
        }
        baseUrl, err := url.Parse(c.endpoint)

```

```

if err != nil {
    return nil, "", err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.Filter != nil {
    params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
}
if req != nil && req.MaxResults != nil {
    params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
}
if req != nil && req.OrderBy != nil {
    params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
}
if req != nil && req.PageToken != nil {
    params.Add("pageToken", fmt.Sprintf("%v",
req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
    params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
headers := buildHeaders(ctx, c.xGoogMetadata, metadata.Pairs("Content-Type", "application/json"))
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)

```



```

    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return
        maybeUnknownEnum(err)
    }

    return nil
}, opts...)
if e != nil {
    return nil, "", e
}
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    m := protojson.MarshalOptions{AllowPartial:
    true}
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {

```

```

return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings)
error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
return maybeUnknownEnum(err)
}

return nil
}, opts...)

```

```

if e != nil {
    return nil, e
}
return resp, nil
}

```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest,
opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{ AllowPartial: true }
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
    unmarshal := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown:
true }
    resp := &computepb.TestPermissionsResponse{ }
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

        httpRsp, err := c.httpClient.Do(httpReq)

```

```

if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return maybeUnmarshal(err)
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// LicenseIterator manages a stream of *compute.License.
type LicenseIterator struct {
    items []*compute.License
    pageInfo *iterator.PageInfo
    nextFunc func() error

    //
    // Response is the raw response for the current page.
    // It must be cast to the RPC response type.
    // Calling Next() or InternalFetch() updates this value.
    Response interface{}

    // InternalFetch is for use by the Google Cloud Libraries only.
    // It is not part of the stable interface of this package.
    //
    // InternalFetch returns results from a single call to the underlying RPC.
    // The number of results is no greater than pageSize.
    // If there are no more results, nextPageToken is empty and err is nil.
    InternalFetch func(pageSize int, pageToken string) (results []*compute.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.

```

```

func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
    return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*compute_pb.License, error) {
    var item *compute_pb.License
    if err := it.nextFunc(); err != nil {
        return item, err
    }
    item = it.items[0]
    it.items = it.items[1:]
    return item, nil
}

func (it *LicenseIterator) bufLen() int {
    return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
    b := it.items
    it.items = nil
    return b
}

```

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// Code generated by protoc-gen-go\_gapic. DO NOT EDIT.

package compute

```
import (  
    "bytes"  
    "context"  
    "fmt"  
    "io/ioutil"
```

```

"net/http"
"net/url"

computepb "cloud.google.com/go/compute/apiv1/computepb"
gax "github.com/googleapis/gax-go/v2"
"google.golang.org/api/googleapi"
"google.golang.org/api/option"
"google.golang.org/api/option/internaloption"
httptransport "google.golang.org/api/transport/http"
"google.golang.org/grpc"
"google.golang.org/grpc/metadata"
"google.golang.org/protobuf/encoding/protojson"
)

var
newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
    Get []gax.CallOption
    TestIamPermissions []gax.CallOption
}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
    return &LicenseCodesCallOptions{
        Get: []gax.CallOption{ },
        TestIamPermissions: []gax.CallOption{ },
    }
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

```

```

// The call options for this service.
CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

//
// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
// intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context,
req *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
type licenseCodesRESTClient struct {

```

```

// The http endpoint to connect to.
endpoint string

// The http client.
httpClient *http.Client

// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD

// Points back to the CallOptions field of the containing LicenseCodesClient
CallOptions **LicenseCodesCallOptions
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx,
        clientOpts...)
    if err != nil {
        return nil, err
    }

    callOpts := defaultLicenseCodesRESTCallOptions()
    c := &licenseCodesRESTClient{
        endpoint: endpoint,
        httpClient: httpClient,
        CallOptions: &callOpts,
    }
    c.setGoogleClientInfo()

    return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()),
    }
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {

```

```

kv := append([]string{"gl-go",
versionGo()}, keyval...)
kv = append(kv, "gopic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption)
(*computepb.LicenseCode, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.LicenseCode{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err

```

```

!= nil {
    return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq,
    err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
}

```

```

baseUrl, err := url.Parse(c.endpoint)
if err != nil {

```

```

return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("s=%v&s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.TestPermissionsResponse{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path
!= "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
return maybeUnknownEnum(err)
}

return nil
}, opts...)

```



```

if e != nil {
    return nil, e
}
return resp, nil
}

```

# 1.487 python-setuptools 45.2.0-1ubuntu0.1

## 1.487.1 Available under license :

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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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2.1.3	2.1.2	2002	PSF	yes
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```
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```

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- <https://github.com/abralvalheri/validate-pyproject/issues>

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```
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```

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`validate-pyproject`

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# Protocol Documentation

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## cw\_ztp\_license\_device.proto

[cwztpsvc-ZtpLicenseDevice](#)

### ZtpLicenseDevice

Field	Type	Label	Description
deviceSerialNumber	[string]	#string	

## Scalar Value Types

.proto Type	Notes	C++	Java	Python	Go	C#	PHP	Ruby
<a name="double" /> double		double	double	float	float64	double	float	Float
<a name="float" /> float		float	float	float	float32	float	float	Float
<a name="int32" /> int32	Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint32 instead.	int32	int	int	int32	int	integer	
Bignum or Fixnum (as required)								
<a name="int64" /> int64	Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint64 instead.	int64	long	int/long	int64	long	integer/string	Bignum
<a name="uint32" /> uint32	Uses variable-length encoding.	uint32	int	int/long	uint32	uint	integer	Bignum or Fixnum (as required)
<a name="uint64" /> uint64	Uses variable-length encoding.	uint64	long	int/long	uint64	ulong	integer/string	Bignum or Fixnum (as required)
<a name="sint32" /> sint32	Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int32s.	int32	int	int	int32	int	integer	Bignum or Fixnum (as required)
<a name="sint64" /> sint64	Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int64s.	int64	long	int/long	int64	long	integer/string	Bignum
<a name="fixed32" /> fixed32	Always four bytes. More efficient than uint32 if values are often greater than 2<sup>28</sup>.	uint32	int	int	uint32	uint	integer	Bignum or Fixnum (as required)
<a name="fixed64" /> fixed64	Always eight bytes. More efficient than uint64 if values are often greater than 2<sup>56</sup>.	uint64	long	int/long	uint64	ulong	integer/string	Bignum
<a name="sfixed32" /> sfixed32	Always four bytes.	int32	int	int	int32	int	integer	Bignum or Fixnum (as required)
<a name="sfixed64" /> sfixed64	Always eight bytes.	int64	long	int/long	int64	long	integer/string	Bignum
<a name="bool" /> bool		bool	boolean	boolean	bool	bool	boolean	TrueClass/FalseClass
<a name="string" /> string	A string must always contain UTF-8 encoded or 7-bit ASCII text.	string	String	str/unicode	string	string	string	String (UTF-8)
<a name="bytes" /> bytes	May contain any arbitrary sequence of bytes.	string	ByteString	str	[]byte	ByteString	string	String (ASCII-8BIT)
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## cw\_ztp\_license\_device\_v2.proto

<a name="cwztpsvc-ZtpLicenseDeviceV2"></a>

### ZtpLicenseDeviceV2

Field	Type	Label	Description
uuid	[string](#string)		
serialNumber	[string](#string)	repeated	
locationId	[string](#string)		

## Scalar Value Types

.proto Type	Notes	C++	Java	Python	Go	C#	PHP	Ruby	
double		double	double	double	float	float64	double	float	Float
float		float	float	float	float	float32	float	float	Float
int32	Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint32 instead.	int32	int	int	int32	int	integer	Bignum or Fixnum (as required)	
int64	Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint64 instead.	int64	long	int/long	int64	long	integer/string	Bignum	
uint32	Uses variable-length encoding.	uint32	int	int/long	uint32	uint	integer	Bignum or Fixnum (as required)	
uint64	Uses variable-length encoding.	uint64	long	int/long	uint64	ulong	integer/string	Bignum or Fixnum (as required)	
sint32	Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int32s.	int32	int	int	int32	int	integer	Bignum or Fixnum (as required)	
sint64	Uses variable-length encoding. Signed int value. These more efficiently encode								

```

negative numbers than regular int64s. | int64 | long | int/long | int64 | long | integer/string | Bignum |
| <a name="fixed32" /> fixed32 | Always four bytes. More efficient than uint32 if values are often greater than 2^28.
| uint32 | int | int | uint32 | uint | integer | Bignum or Fixnum (as required) |
| <a name="fixed64" /> fixed64 | Always eight bytes. More efficient than uint64 if values are often greater than
2^56. | uint64 | long | int/long | uint64 | ulong | integer/string | Bignum |
| <a name="sfixed32" /> sfixed32 | Always four bytes. | int32 | int | int | int32 | int | integer | Bignum or Fixnum (as
required) |
| <a name="sfixed64" /> sfixed64 | Always eight bytes. | int64 | long | int/long | int64 | long | integer/string | Bignum |
| <a name="bool" /> bool | | bool | boolean | boolean | bool | bool | boolean | TrueClass/FalseClass
|
| <a name="string" /> string | A string must always contain UTF-8 encoded or 7-bit ASCII text. | string | String |
str/unicode | string | string | string | String (UTF-8) |
| <a name="bytes" /> bytes | May contain any arbitrary sequence of bytes. | string | ByteString | str | []byte |
ByteString | string | String (ASCII-8BIT) |
// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license_device_v2.proto

```

```
package cwztpsvc
```

```
import (
    fmt "fmt"
    proto "github.com/golang/protobuf/proto"
    math "math"
)
```

```
// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf
```

```
// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion3 // please upgrade the proto package
```

```
type ZtpLicenseDeviceV2 struct {
    Uuid          string  `protobuf:"bytes,1,opt,name=uuid,proto3" json:"uuid,omitempty"`
    SerialNumber  []string `protobuf:"bytes,2,rep,name=serialNumber,proto3" json:"serialNumber,omitempty"`
    LocationId    string  `protobuf:"bytes,3,opt,name=locationId,proto3" json:"locationId,omitempty"`
    XXX_NoUnkeyedLiteral
    struct{} `json:"- "`
    XXX_unrecognized []byte  `json:"- "`
    XXX_sizecache   int32  `json:"- "`
}

```

```
func (m *ZtpLicenseDeviceV2) Reset()      { *m = ZtpLicenseDeviceV2{} }
func (m *ZtpLicenseDeviceV2) String() string { return proto.CompactTextString(m) }
```



```

func (*ZtpLicenseDeviceV2) ProtoMessage() {}
func (*ZtpLicenseDeviceV2) Descriptor() ([]byte, []int) {
    return fileDescriptor_187379be6b6c9b7c, []int{0}
}

func (m *ZtpLicenseDeviceV2) XXX_Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Unmarshal(m, b)
}
func (m *ZtpLicenseDeviceV2) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Marshal(b, m, deterministic)
}
func (m *ZtpLicenseDeviceV2) XXX_Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicenseDeviceV2.Merge(m, src)
}
func (m *ZtpLicenseDeviceV2) XXX_Size() int {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Size(m)
}
func (m *ZtpLicenseDeviceV2) XXX_DiscardUnknown() {
    xxx_messageInfo_ZtpLicenseDeviceV2.DiscardUnknown(m)
}

var
xxx_messageInfo_ZtpLicenseDeviceV2 proto.InternalMessageInfo

func (m *ZtpLicenseDeviceV2) GetUuid() string {
    if m != nil {
        return m.Uuid
    }
    return ""
}

func (m *ZtpLicenseDeviceV2) GetSerialNumber() []string {
    if m != nil {
        return m.SerialNumber
    }
    return nil
}

func (m *ZtpLicenseDeviceV2) GetLocationId() string {
    if m != nil {
        return m.LocationId
    }
    return ""
}

func init() {
    proto.RegisterType((*ZtpLicenseDeviceV2)(nil), "cwztpsvc.ZtpLicenseDeviceV2")
}

```

```

func init() {
    proto.RegisterFile("cw_ztp_license_device_v2.proto", fileDescriptor_187379be6b6c9b7c)
}

var fileDescriptor_187379be6b6c9b7c = []byte{
    // 219 bytes of a gzipped FileDescriptorProto
    0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x64, 0x8e, 0x4f, 0x4b, 0xc3, 0x40,
    0x10, 0x47, 0x89, 0x15, 0xb1, 0x8b, 0xa7, 0x3d, 0xc5, 0x4b, 0x28, 0x3d, 0xf5, 0x62, 0x16, 0xdb,
    0x6f, 0x10, 0xbd, 0x08, 0x62, 0x4b, 0x10, 0x85, 0x5e, 0x96, 0xdd, 0xc9, 0x12, 0x07, 0x36, 0x99,
    0x65,
    0xff, 0xa4, 0xd0, 0x4f, 0x2f, 0x6e, 0x2d, 0x28, 0xbd, 0x0d, 0x3f, 0xde, 0x3c, 0x1e, 0xab,
    0xe0, 0x20, 0x8f, 0xd1, 0x49, 0x8b, 0x60, 0xc6, 0x60, 0x64, 0x67, 0x26, 0x04, 0x23, 0xa7, 0x75,
    0xed, 0x3c, 0x45, 0xe2, 0xb7, 0x70, 0x38, 0x46, 0x17, 0x26, 0x58, 0x5a, 0xc6, 0xf7, 0xd1, 0xbd,
    0x9e, 0xb8, 0xe7, 0x8c, 0x7d, 0xac, 0x39, 0x67, 0xd7, 0x29, 0x61, 0x57, 0x16, 0x8b, 0x62, 0x35,
    0x6f, 0xf3, 0xcd, 0x97, 0xec, 0x2e, 0x18, 0x8f, 0xca, 0xbe, 0xa5, 0x41, 0x1b, 0x5f, 0x5e, 0x2d,
    0x66, 0xab, 0x79, 0xfb, 0x6f, 0xe3, 0x15, 0x63, 0x96, 0x40, 0x45, 0xa4, 0xf1, 0xa5, 0x2b, 0x67,
    0xf9, 0xfb, 0xcf, 0xd2, 0x38, 0x56, 0x01, 0x0d, 0x35, 0x60, 0x00, 0xaa, 0x3d, 0x69, 0x8a, 0xa7,
    0xa0, 0xfa, 0xdc, 0xd3, 0xdc, 0x3f, 0x7d, 0x5e, 0xf6, 0xec, 0x7e, 0x98, 0x5d, 0xb1, 0x7f, 0xec,
    0x31, 0x7e, 0x25, 0xbd, 0xf9, 0x15, 0x00, 0x0d, 0xa2, 0xdd, 0x36, 0xdb, 0x77, 0x91, 0x55, 0x0f,
    0xca, 0xa1, 0xe8, 0xc9, 0xaa, 0xb1, 0x17, 0x67, 0x9f, 0xbe, 0xc9, 0xfe, 0xcd, 0x77, 0x00, 0x00,
    0x00, 0xff, 0xff, 0x66,
    0x8d, 0x49, 0xba, 0x12, 0x01, 0x00, 0x00,
}
// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license.proto

package cwztpsvc

import (
    fmt "fmt"
    proto "github.com/golang/protobuf/proto"
    _ "google.golang.org/genproto/googleapis/api/annotations"
    math "math"
)

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion3 // please upgrade the proto package

type ZtpLicense struct {

```

```

Id          int32  `protobuf:"varint,1,opt,name=id,proto3" json:"id,omitempty"`
Status      string `protobuf:"bytes,2,opt,name=status,proto3" json:"status,omitempty"`
LastUpdated int64  `protobuf:"varint,3,opt,name=lastUpdated,proto3" json:"lastUpdated,omitempty"`
XXX_NoUnkeyedLiteral
struct{ } `json:"-`
XXX_unrecognized []byte `json:"-`
XXX_sizecache   int32  `json:"-`
}

```

```

func (m *ZtpLicense) Reset()      { *m = ZtpLicense{ } }
func (m *ZtpLicense) String() string { return proto.CompactTextString(m) }
func (*ZtpLicense) ProtoMessage() {}
func (*ZtpLicense) Descriptor() ([]byte, []int) {
    return fileDescriptor_4e24d0294ce39e81, []int{0}
}

```

```

func (m *ZtpLicense) XXX_Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicense.Unmarshal(m, b)
}
func (m *ZtpLicense) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicense.Marshal(b, m, deterministic)
}
func (m *ZtpLicense) XXX_Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicense.Merge(m, src)
}
func (m *ZtpLicense) XXX_Size() int {
    return xxx_messageInfo_ZtpLicense.Size(m)
}
func (m *ZtpLicense) XXX_DiscardUnknown() {
    xxx_messageInfo_ZtpLicense.DiscardUnknown(m)
}

```

```

var xxx_messageInfo_ZtpLicense proto.InternalMessageInfo

```

```

func
(m *ZtpLicense) GetId() int32 {
    if m != nil {
        return m.Id
    }
    return 0
}

```

```

func (m *ZtpLicense) GetStatus() string {
    if m != nil {
        return m.Status
    }
    return ""
}

```

```

func (m *ZtpLicense) GetLastUpdated() int64 {
    if m != nil {
        return m.LastUpdated
    }
    return 0
}

func init() {
    proto.RegisterType((*ZtpLicense)(nil), "cwztpsvc.ZtpLicense")
}

func init() {
    proto.RegisterFile("cw_ztp_license.proto", fileDescriptor_4e24d0294ce39e81)
}

var fileDescriptor_4e24d0294ce39e81 = []byte{
    // 222 bytes of a gzipped FileDescriptorProto
    0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x4c, 0x8f, 0x4d, 0x4b, 0x03, 0x31,
    0x10, 0x86, 0xc9, 0x16, 0x8b, 0x46, 0x10, 0x5c, 0x44, 0x16, 0x11, 0x09, 0x9e, 0xf6, 0x62, 0x82,
    0xf4, 0x1f, 0xac, 0x57, 0xa1, 0x25, 0xf8, 0x01, 0xbd, 0x94, 0xec, 0x24, 0xa4, 0x81, 0x34, 0x13,
    0x9a, 0xa9, 0x85, 0xfe, 0x7a, 0x69, 0xb7, 0x8b, 0x1e, 0xe7, 0xe3, 0x7d, 0x9e, 0x19, 0x7e, 0x07,
    0xfb, 0xd5, 0x81, 0xf2, 0x2a, 0x06, 0x70, 0xa9, 0x38, 0x99, 0xb7, 0x48,
    0x58, 0x5f, 0xc2, 0xfe,
    0x40, 0xb9, 0xfc, 0xc0, 0xc3, 0xa3, 0x47, 0xf4, 0xd1, 0x29, 0x93, 0x83, 0x32, 0x29, 0x21, 0x19,
    0x0a, 0x98, 0xca, 0xb0, 0xf7, 0xfc, 0xc5, 0xf9, 0x92, 0xf2, 0xfb, 0x90, 0xad, 0x6f, 0x78, 0x15,
    0x6c, 0xc3, 0x04, 0x6b, 0x2f, 0x74, 0x15, 0x6c, 0x7d, 0xcf, 0xa7, 0x85, 0x0c, 0xed, 0x4a, 0x53,
    0x09, 0xd6, 0x5e, 0xe9, 0x73, 0x55, 0x0b, 0x7e, 0x1d, 0x4d, 0xa1, 0xcf, 0x6c, 0x0d, 0x39, 0xdb,
    0x4c, 0x04, 0x6b, 0x27, 0xfa, 0x7f, 0xab, 0x5b, 0xf3, 0x27, 0xc0, 0x8d, 0x84, 0x50, 0x00, 0xe5,
    0x16, 0x7b, 0xa4, 0x41, 0x28, 0xc7, 0xbb, 0xba, 0xdb, 0xb7, 0xef, 0x3f, 0xf3, 0xe2, 0x38, 0x5b,
    0xb0, 0xe5, 0xab, 0x0f, 0xb4, 0xde, 0xf5, 0xb3, 0x73, 0x10, 0x70, 0xa3, 0xf4, 0xbc, 0x9b, 0x7f,
    0xa8, 0x13, 0xe2, 0xe5, 0xf8, 0x83, 0xc7, 0x68, 0x92, 0x57, 0x23, 0xa7, 0x9f, 0x9e, 0xb8, 0xb3,
    0xdf, 0x00, 0x00, 0x00, 0xff, 0xff, 0x46, 0x47, 0xa7, 0x44, 0x08, 0x01, 0x00, 0x00,
}

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```

```
## cw_ztp_license.proto
```

```
<a name="cwztpsvc-ZtpLicense"></a>
```

```
### ZtpLicense
```

```
| Field | Type | Label | Description |  
| ---- | ---- | ----- | ----- |  
| id | [int32](#int32) | | |  
| status | [string](#string) | | |  
| lastUpdated | [int64](#int64) | | |
```

```
## Scalar Value Types
```

```
| .proto Type | Notes | C++ | Java | Python | Go | C# | PHP | Ruby |  
| ----- | ----- | --- | ---- | ----- | -- | -- | --- | ---- |  
| <a name="double" /> double | | double | double | float | float64 | double | float | Float |  
| <a name="float" /> float | | float | float | float | float32 | float | float | Float |  
| <a name="int32" /> int32 | Uses variable-length encoding. Inefficient for encoding  
negative numbers if your field is likely to have negative values, use sint32 instead. | int32 | int | int | int32 | int |  
integer | Bignum or Fixnum (as required) |  
| <a name="int64" /> int64 | Uses variable-length encoding. Inefficient for encoding negative numbers if your field  
is likely to have negative values, use sint64 instead. | int64 | long | int/long | int64 | long | integer/string | Bignum |  
| <a name="uint32" /> uint32 | Uses variable-length encoding. | uint32 | int | int/long | uint32 | uint | integer | Bignum  
or Fixnum (as required) |  
| <a name="uint64" /> uint64 | Uses variable-length encoding. | uint64 | long | int/long | uint64 | ulong | integer/string  
| Bignum or Fixnum (as required) |  
| <a name="sint32" /> sint32 | Uses variable-length encoding. Signed int value. These more efficiently encode  
negative numbers than regular int32s. | int32 | int | int | int32 | int | integer | Bignum or Fixnum (as required) |
```

```

| <a name="sint64" /> sint64 | Uses variable-length encoding.
Signed int value. These more efficiently encode negative numbers than regular int64s. | int64 | long | int/long | int64
| long | integer/string | Bignum |
| <a name="fixed32" /> fixed32 | Always four bytes. More efficient than uint32 if values are often greater than 2^28.
| uint32 | int | int | uint32 | uint | integer | Bignum or Fixnum (as required) |
| <a name="fixed64" /> fixed64 | Always eight bytes. More efficient than uint64 if values are often greater than
2^56. | uint64 | long | int/long | uint64 | ulong | integer/string | Bignum |
| <a name="sfixed32" /> sfixed32 | Always four bytes. | int32 | int | int | int32 | int | integer | Bignum or Fixnum (as
required) |
| <a name="sfixed64" /> sfixed64 | Always eight bytes. | int64 | long | int/long | int64 | long | integer/string | Bignum |
| <a name="bool" /> bool | | bool | boolean | boolean | bool | bool | boolean | TrueClass/FalseClass |
| <a name="string" /> string | A string must always contain UTF-8 encoded or 7-bit ASCII
text. | string | String | str/unicode | string | string | string | String (UTF-8) |
| <a name="bytes" /> bytes | May contain any arbitrary sequence of bytes. | string | ByteString | str | []byte |
ByteString | string | String (ASCII-8BIT) |
// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license_device.proto

package cwztpsvc

import (
    fmt "fmt"
    proto "github.com/golang/protobuf/proto"
    _ "google.golang.org/genproto/googleapis/api/annotations"
    math "math"
)

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion3 // please upgrade the proto package

type ZtpLicenseDevice struct {
    DeviceSerialNumber string `protobuf:"bytes,1,opt,name=deviceSerialNumber,proto3"
json:"deviceSerialNumber,omitempty"`
    XXX_NoUnkeyedLiteral struct{} `json:"-"`
    XXX_unrecognized []byte `json:"-"`
    XXX_sizecache int32 `json:"-"`
}

func (m *ZtpLicenseDevice)

```

```

Reset()    { *m = ZtpLicenseDevice{ } }
func (m *ZtpLicenseDevice) String() string { return proto.CompactTextString(m) }
func (*ZtpLicenseDevice) ProtoMessage() {}
func (*ZtpLicenseDevice) Descriptor() ([]byte, []int) {
    return fileDescriptor_4637a3ce942b5232, []int{0}
}

func (m *ZtpLicenseDevice) XXX_Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicenseDevice.Unmarshal(m, b)
}
func (m *ZtpLicenseDevice) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicenseDevice.Marshal(b, m, deterministic)
}
func (m *ZtpLicenseDevice) XXX_Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicenseDevice.Merge(m, src)
}
func (m *ZtpLicenseDevice) XXX_Size() int {
    return xxx_messageInfo_ZtpLicenseDevice.Size(m)
}
func (m *ZtpLicenseDevice) XXX_DiscardUnknown() {
    xxx_messageInfo_ZtpLicenseDevice.DiscardUnknown(m)
}

var xxx_messageInfo_ZtpLicenseDevice proto.InternalMessageInfo

func (m *ZtpLicenseDevice) GetDeviceSerialNumber() string {
    if m != nil {
        return m.DeviceSerialNumber
    }
    return ""
}

func init() {
    proto.RegisterType((*ZtpLicenseDevice)(nil), "cwztpsvc.ZtpLicenseDevice")
}

func init() {
    proto.RegisterFile("cw_ztp_license_device.proto", fileDescriptor_4637a3ce942b5232)
}

var fileDescriptor_4637a3ce942b5232 = []byte{
    // 201 bytes of a gzipped FileDescriptorProto
    0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x6c, 0xce, 0x31, 0x4b, 0xc7, 0x30,
    0x10, 0x05, 0x70, 0xba, 0x88, 0x66, 0x92, 0x2e, 0x8a, 0x8a, 0x88, 0x93, 0x8b, 0x09, 0xf2, 0xff,
    0x06, 0xd1, 0x51, 0xfc, 0x97, 0x2a, 0x08, 0x5d, 0x4a, 0x72, 0x86, 0x18, 0x48, 0x73, 0x21, 0xb9,
    0xb6, 0xd0, 0x4f, 0x2f, 0x6d, 0xec, 0x22, 0xce, 0xf7, 0xee, 0xf7, 0x1e, 0xbb, 0x86, 0xb9, 0x5f,
    0x28, 0xf6, 0xde, 0x81, 0x09, 0xd9, 0xf4, 0x5f, 0x66, 0x72, 0x60, 0x78, 0x4c, 0x48, 0x58, 0x9f,

```

```
0xc2, 0xbc, 0x50, 0xcc, 0x13, 0x5c, 0xdd, 0x58, 0x44, 0xeb, 0x8d, 0x50, 0xd1, 0x09, 0x15, 0x02,
0x92, 0x22, 0x87, 0x21, 0x97, 0xdc, 0xbd, 0x64, 0xe7, 0x1d, 0xc5, 0xd7, 0x42,
0xbc, 0x6c, 0x42,
0xcd, 0x59, 0x5d, 0xac, 0x77, 0x93, 0x9c, 0xf2, 0x6f, 0xe3, 0xa0, 0x4d, 0xba, 0xac, 0xee, 0xaa,
0x87, 0xb3, 0xf6, 0x9f, 0x8b, 0x0c, 0xec, 0x16, 0x70, 0xe0, 0xe0, 0x32, 0x20, 0x4f, 0xa8, 0x91,
0x0a, 0xce, 0xf7, 0x0d, 0xf2, 0xe2, 0xf9, 0xf3, 0x6f, 0x4b, 0xb3, 0x26, 0x9a, 0xaa, 0x7b, 0xb2,
0x8e, 0xbe, 0x47, 0x7d, 0xf8, 0x7d, 0x07, 0x1c, 0x44, 0x7b, 0x94, 0xc7, 0x0f, 0xb1, 0x41, 0x8f,
0xeb, 0x6a, 0x8b, 0x5e, 0x05, 0x2b, 0x76, 0x4d, 0x9f, 0x6c, 0xfa, 0xe1, 0x27, 0x00, 0x00, 0xff,
0xff, 0xe7, 0xa2, 0x96, 0xc2, 0x01, 0x01, 0x00, 0x00,
}
```

## 1.489 python-pkg-resources 45.2.0-

### 1ubuntu0.1

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## 1.492 python3-wheel 0.34.2-1ubuntu0.1

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## 1.493 prometheus-procfs 0.9.0

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## 1.494 go-openapi-spec 0.20.8

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package spec

```
import (
    "encoding/json"
    "testing"

    "github.com/stretchr/testify/assert"
)
```

```
var license = License{
```

```

LicenseProps: LicenseProps{Name: "the name", URL: "the url"},
VendorExtensible: VendorExtensible{Extensions: map[string]interface{}{"x-license": "custom term"}}}

const licenseJSON = `{
  "name": "the name",
  "url": "the url",
  "x-license": "custom term"
}`

func TestIntegrationLicense(t
*testing.T) {

  // const licenseYAML = "name: the name\nurl: the url\n"

  b, err := json.MarshalIndent(license, "", "\t")
  if assert.NoError(t, err) {
    assert.Equal(t, licenseJSON, string(b))
  }

  actual := License{}
  err = json.Unmarshal([]byte(licenseJSON), &actual)
  if assert.NoError(t, err) {
    assert.EqualValues(t, license, actual)
  }
}

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package spec

import (
  "encoding/json"

  "github.com/go-openapi/swag"
)

// License information for the exposed API.

```

```

//
// For more information: http://goo.gl/8us55a#licenseObject
type License struct {
    LicenseProps
    VendorExtensible
}

// LicenseProps holds the properties of a License object
type LicenseProps struct {
    Name string `json:"name,omitempty"`
    URL string `json:"url,omitempty"`
}

// UnmarshalJSON
hydrates License from json
func (l *License) UnmarshalJSON(data []byte) error {
    if err := json.Unmarshal(data, &l.LicenseProps); err != nil {
        return err
    }
    return json.Unmarshal(data, &l.VendorExtensible)
}

// MarshalJSON produces License as json
func (l License) MarshalJSON() ([]byte, error) {
    b1, err := json.Marshal(l.LicenseProps)
    if err != nil {
        return nil, err
    }
    b2, err := json.Marshal(l.VendorExtensible)
    if err != nil {
        return nil, err
    }
    return swag.ConcatJSON(b1, b2), nil
}

```

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## 1.496 cors 1.8.3

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## 1.502 easyjson 0.7.7

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```

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the names:

```
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```

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@vskip 20pt plus 1fil  
@end macro
```

```
@macro copyrightstart{ }  
@end macro
```

```
@macro copyrightend{ }  
@end macro
```

```
@node Copyrights and Licenses, , Acknowledgments, Top  
@comment node-name, next, previous, up  
@appendix Copyrights and Licenses
```

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@item KCM credential cache.

@item HDB LDAP backend.

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@heading Vincent Rijmen, Antoon Bosselaers, Paulo Barreto

AES in libhcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

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

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DES core in libcrypto

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D3DES (V5.09) -

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```

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```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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/\* Skeleton implementation for Bison's Yacc-like parsers in C

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@table

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

@item KCM credential cache.

@item HDB LDAP backend.

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AES in libcrypto

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rijndael-alg-fst.c

@version 3.0 (December 2000)

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

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

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

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

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DES core in libcrypto

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## 1.522 tenacity 8.2.2

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## 1.523 gnutls 3.6.13-2ubuntu1.8

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## Constant-time SSSE3 AES core implementation.

## version 0.1

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Alexander Menzhinsky <amenzhinsky@gmail.com>

Artyom Pervukhin <github@artyom.dev>

Dan Peterson <danp@danp.net>

David Skinner <skinner.david@gmail.com>

David Walton <david@davidwalton.com>

Elle Mouton <elle.mouton@gmail.com>

FlyingOnion <731677080@qq.com>

Gleb Sakhnov <gleb.sakhnov@gmail.com>

Jaap Aarts <jaap.aarts1@gmail.com>

Jan Mercl <0xjml@gmail.com>

Josh Bleecher Snyder <josharian@gmail.com>

Logan Snow <logansnow@protonmail.com>

Matthew Gabeler-Lee <fastcat@gmail.com>

Michael Hoffmann <mhoffm@posteo.de>

Ross Light <ross@zombiezen.com>

Saed SayedAhmed <saadmtsa@gmail.com>

Steffen Butzer <steffen(dot)butzer@outlook.com>

Yaacov Akiba Slama <ya@slamail.org>

Michael Rykov <mrykov@gmail.com>

# 1.526 modernc.org-libc 1.22.3

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Authors/contributors include:

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Ada Worcester  
Alex Dowad  
Alex Suykov  
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Anthony G. Basile  
Aric Belsito  
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#

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Dan Kortschak <dan@kortschak.io>

Dan Peterson <danp@danp.net>

Jaap Aarts <jaap.aarts1@gmail.com>

Jan Mercl <0xjnm1@gmail.com>

Jason DeBettencourt <jasond17@gmail.com>

Koichi Shiraishi <zchee.io@gmail.com>

Marius Orcsik <marius@federated.id>

Steffen Butzer <steffen(dot)butzer@outlook.com>

ZHU Zijia <piggynl@outlook.com>

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#

# Names should be added to this file as:

# Name <email address>

Raul Silvera <rsilvera@google.com>

Tipp Moseley <tipp@google.com>

Hyoun Kyu Cho <netforce@google.com>

Martin Spier <spiermar@gmail.com>

Taco de Wolff <tacodewolff@gmail.com>

Andrew Hunter <andrewhunter@gmail.com>

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Brian Goff <cpuguy83@gmail.com>

Clayton Coleman <ccoleman@redhat.com>

Denis Smirnov <denis.smirnov.91@gmail.com>

DongYun Kang <ceram1000@gmail.com>

Dwayne Schultz <dschultz@pivotal.io>

Georg Apitz <gapitz@pivotal.io>

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Johan Brandhorst <johan.brandhorst@gmail.com>

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Patrick Lee <patrick@dropbox.com>

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Roger Johansson <rogersing@gmail.com>

Sam Nguyen <sam.nguyen@sendgrid.com>

Sergio Arbo <serabe@gmail.com>

Stephen J Day <stephen.day@docker.com>

Tamir Duberstein <tamird@gmail.com>

Todd Eisenberger <teisenberger@dropbox.com>

Tormod Erevik Lea <tormodlea@gmail.com>

Vyacheslav Kim <kane@sendgrid.com>

Walter Schulze <awalterschulze@gmail.com>

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# 1.537 googleapis-enterprise-certificate-proxy

## 0.2.3

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## 1.538 golang-jwt 4.5.0

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Denis Smirnov <denis.smirnov.91@gmail.com>  
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package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used

```



```

// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.

```

```
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
if c, ok := c.(*NoticeHandlerConnector); ok {
c.noticeHandler = handler
return c
}
return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}
```

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```

Paul Borman <borman@google.com>

Andrew Fort <afort@arista.com>

Rob Shakir <robjs@google.com>

Paul Borman <borman@google.com>

bmatsuo

shawnps

theory

jboverfelt

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Upstream Authors:

Chet Ramey <chet.ramey@case.edu>

Jeff Solomon <jsolomon@stanford.edu> (examples/excallback.c)

Harold Levy <Harold.Levy@synopsys.com> (examples/rl-fgets.c)

Juergen Weigert <jnweiger@immd4.informatik.uni-erlangen.de> (examples/rlfe)

Michael Schroeder <mlschroe@immd4.informatik.uni-erlangen.de> (examples/rlfe)

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```
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## 1.543 base-files 11ubuntu5.7

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```
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```

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```
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at assemblers) written by James Hacker.
```

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

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```

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```

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The End

## 1.544 msgpack 1.0.5

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "math"
    "net/http"
    "net/url"

    computepb "cloud.google.com/go/compute/apiv1/computepb"
    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport
    "google.golang.org/api/transport/http"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
    "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
    Delete []gax.CallOption
    Get []gax.CallOption
```

```

GetIamPolicy    []gax.CallOption
Insert          []gax.CallOption
List           []gax.CallOption
SetIamPolicy   []gax.CallOption
TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
return &LicensesCallOptions{
Delete:    []gax.CallOption{ },
Get:      []gax.CallOption{ },
GetIamPolicy: []gax.CallOption{ },
Insert:   []gax.CallOption{ },
List:    []gax.CallOption{ },
SetIamPolicy: []gax.CallOption{ },
TestIamPermissions: []gax.CallOption{ },
}
}

//
internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
Close() error
setGoogleClientInfo(...string)
Connection() *grpc.ClientConn
Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

// LicensesClient
is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
//
// The Licenses API.
type LicensesClient struct {
// The internal transport-dependent client.
internalClient internalLicensesClient

// The call options for this service.

```

```

CallOptions *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
// exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
// images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

```

```

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method
to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
    return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licensesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // operationClient is used to call the operation-specific management service.
    operationClient *GlobalOperationsClient

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD

```



```

// Points back to the CallOptions field of the containing LicensesClient
CallOptions **LicensesCallOptions
}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption)
(*LicensesClient, error) {
clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
if err != nil {
return nil, err
}

callOpts := defaultLicensesRESTCallOptions()
c := &licensesRESTClient{
endpoint: endpoint,
httpClient: httpClient,
CallOptions: &callOpts,
}
c.setGoogleClientInfo()

o := []option.ClientOption{
option.WithHTTPClient(httpClient),
option.WithEndpoint(endpoint),
}
opC, err := NewGlobalOperationsRESTClient(ctx, o...)
if err != nil {
return nil, err
}
c.operationClient = opC

return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
internaloption.WithDefaultScopes(DefaultAuthScopes()),
}
}
//

```

```

setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", versionGo()}, keyval...)
    kv = append(kv, "gapi", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    if err := c.operationClient.Close(); err != nil {
        return err
    }
    return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection()
*grpc.ClientConn {
    return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    params := url.Values{ }
    if req != nil && req.RequestId != nil {
        params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
    }

    baseUrl.RawQuery = params.Encode()

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

```

```

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
"application/json"))
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
    baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
if err != nil {
    return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
op := &Operation{
    &globalOperationsHandle{
        c:
            c.operationClient,
        proto: resp,
        project: req.GetProject(),
    },

```

```

}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
    url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)],
    opts...)
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.License{}
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

        httpRsp, err := c.httpClient.Do(httpReq)
        if err != nil {
            return err
        }
        defer httpRsp.Body.Close()

        if err = googleapi.CheckResponse(httpRsp); err != nil {
            return err
        }

        buf, err := ioutil.ReadAll(httpRsp.Body)
        if err != nil {
            return err
        }

```

```

if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource
exists. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

    params := url.Values{ }
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

    baseUrl.RawQuery = params.Encode()

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type",
"application/json"))
    opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
    unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.Policy{ }
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)

```

```

if err != nil {
    return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
    return
    nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }

```

```

}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{ }
if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v", "project",
url.QueryEscape(req.GetProject())))

headers
:= buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &compute.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return maybeUnknownEnum(err)
    }
}

```

```

return
nil
}, opts...)
if e != nil {
return nil, e
}
op := &Operation{
&globalOperationsHandle{
c: c.operationClient,
proto: resp,
project: req.GetProject(),
},
}
return op, nil
}

```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
it := &LicenseIterator{}
req = proto.Clone(req).(*computepb.ListLicensesRequest)
unm := protojson.UnmarshalOptions{AllowPartial: true,
DiscardUnknown: true}
it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
resp := &computepb.LicensesListResponse{}
if pageToken != "" {
req.PageToken = proto.String(pageToken)
}
if pageSize > math.MaxInt32 {
req.MaxResults = proto.Uint32(math.MaxInt32)
} else if pageSize != 0 {
req.MaxResults = proto.Uint32(uint32(pageSize))
}
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, "", err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{}
if req != nil && req.Filter != nil {
params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
}
}

```



```

if req != nil && req.MaxResults != nil {
    params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
}
if req != nil && req.OrderBy != nil {
    params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
}
if req != nil && req.PageToken != nil {
    params.Add("pageToken", fmt.Sprintf("%v",
req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
    params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
headers := buildHeaders(ctx, c.xGoogMetadata, metadata.Pairs("Content-Type", "application/json"))
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return
    }
    maybeUnknownEnum(err)
}

```

```

    return nil
  }, opts...)
  if e != nil {
    return nil, "", e
  }
  it.Response = resp
  return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
  items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
  if err != nil {
    return "", err
  }
  it.items = append(it.items, items...)
  return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
  m := protojson.MarshalOptions{AllowPartial:
  true}
  body := req.GetGlobalSetPolicyRequestResource()
  jsonReq, err := m.Marshal(body)
  if err != nil {
    return nil, err
  }

  baseUrl, err := url.Parse(c.endpoint)
  if err != nil {
    return nil, err
  }
  baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

  // Build HTTP headers from client and context metadata.
  md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))))

```

```

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings)
error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
return nil, e
}
return resp, nil
}

```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
```

```

*computepb.TestIamPermissionsLicenseRequest,
opts ...gax.CallOption) (*computepb.TestPermissionsResponse, error) {
m := protojson.MarshalOptions{ AllowPartial: true }
body := req.GetTestPermissionsRequestResource()
jsonReq, err := m.Marshal(body)
if err != nil {
return nil, err
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown:
true }
resp := &computepb.TestPermissionsResponse{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}
}

```

```

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
    items []*computepb.License
    pageInfo *iterator.PageInfo
    nextFunc func() error

    //
    // Response is the raw response for the current page.
    // It must be cast to the RPC response type.
    // Calling Next() or InternalFetch() updates this value.
    Response interface{ }

    // InternalFetch is for use by the Google Cloud Libraries only.
    // It is not part of the stable interface of this package.
    //
    // InternalFetch returns results from a single call to the underlying RPC.
    // The number of results is no greater than pageSize.
    // If there are no more results, nextPageToken is empty and err is nil.
    InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
    return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator)
Next() (*computepb.License, error) {
    var item *computepb.License

```

```

if err := it.nextFunc(); err != nil {
    return item, err
}
item = it.items[0]
it.items = it.items[1:]
return item, nil
}

func (it *LicenseIterator) bufLen() int {
    return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
    b := it.items
    it.items = nil
    return b
}

```

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```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute
```

```
import (
```

```
"bytes"
```

```
"context"
```

```
"fmt"
```

```
"io/ioutil"
```

```
"net/http"
```

```
"net/url"
```

```
computepb "cloud.google.com/go/compute/apiv1/computepb"
```

```
gax "github.com/googleapis/gax-go/v2"
```

```
"google.golang.org/api/googleapi"
```

```
"google.golang.org/api/option"
```

```
"google.golang.org/api/option/internaloption"
```

```
httptransport "google.golang.org/api/transport/http"
```

```
"google.golang.org/grpc"
```

```
"google.golang.org/grpc/metadata"
```

```
"google.golang.org/protobuf/encoding/protojson"
```

```
)
```

```
var
```

```
newLicenseCodesClientHook clientHook
```

```
// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
```

```
type LicenseCodesCallOptions struct {
```

```
  Get []gax.CallOption
```

```
  TestIamPermissions []gax.CallOption
```

```
}
```

```
func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
```

```
  return &LicenseCodesCallOptions{
```

```
    Get: []gax.CallOption{ },
```

```
    TestIamPermissions: []gax.CallOption{ },
```

```
  }
```

```
}
```

```
// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
```

```
type internalLicenseCodesClient interface {
```

```
  Close() error
```

```
  setGoogleClientInfo(...string)
```

```
  Connection() *grpc.ClientConn
```

```
  Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
```

```
  TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
```

```

(*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

    // The call options for this service.
    CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

//
// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

```

```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context,
    req *computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
method calls.
type licenseCodesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD

    // Points back to the CallOptions field of the containing LicenseCodesClient
    CallOptions **LicenseCodesCallOptions
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx,
        clientOpts...)
    if err != nil {
        return nil, err
    }

    callOpts := defaultLicenseCodesRESTCallOptions()
    c := &licenseCodesRESTClient{
        endpoint:  endpoint,
        httpClient: httpClient,
        CallOptions: &callOpts,
    }
    c.setGoogleClientInfo()

    return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{

```

```

internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go",
versionGo()}, keyval...)
kv = append(kv, "gopic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption)
(*computepb.LicenseCode, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode()))

```

```

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.LicenseCode{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err
    != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return maybeUnknownEnum(err)
    }

    return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)

```

```

(*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{ AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq,
    err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
    req.GetProject(), req.GetResource())

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
    url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    opts =
    append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
    tIamPermissions)], opts...)
    unmarshalOptions := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.TestPermissionsResponse{}
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path
        != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

        httpRsp, err := c.httpClient.Do(httpReq)
        if err != nil {
            return err
        }
        defer httpRsp.Body.Close()

        if err = googleapi.CheckResponse(httpRsp); err != nil {
            return err
        }
    })
}

```



```
buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
    return maybeUnknownEnum(err)
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}
```

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "cloud.google.com/go/compute/apiv1/computepb"
    "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will
    require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicensesRESTClient(ctx)

```

```

if err != nil {
    // TODO: Handle error.
}
defer c.Close()

req := &computepb.DeleteLicenseRequest{
    //
    // TODO: Fill request struct fields.
    // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#DeleteLicenseRequest.
}
op, err := c.Delete(ctx, req)
if err != nil {
    // TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
    // TODO: Handle error.
}
}

func ExampleLicensesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseRequest.
    }
    resp,
    err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {

```

```

ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
//   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()

req := &computepb.GetIamPolicyLicenseRequest{
    // TODO: Fill request struct fields.
    // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetIamPolicyLicenseRequest.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Insert()
{
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.InsertLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#InsertLicenseRequest.
    }
    op, err := c.Insert(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }

    err = op.Wait(ctx)

```

```

if err != nil {
    // TODO: Handle error.
}
}

func ExampleLicensesClient_List() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template
    only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &compute.ListLicensesRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#ListLicensesRequest.
    }
    it := c.List(ctx, req)
    for {
        resp, err := it.Next()
        if err == iterator.Done {
            break
        }
        if err != nil {
            // TODO: Handle error.
        }
        // TODO: Use resp.
        _ = resp
    }
}

func ExampleLicensesClient_SetIamPolicy() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range
    values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

}
defer c.Close()

req := &computepb.SetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#SetIamPolicyLicenseRequest.
}
resp, err := c.SetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown
in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#TestIamPermissionsLicenseRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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```

```
// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute_test
```

```
import (
    "context"
```

```
    compute "cloud.google.com/go/compute/apiv1"
    computepb "cloud.google.com/go/compute/apiv1/computepb"
)
```

```
func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    //
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}
```

```
func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    //
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()
}
```

```

req := &computepb.GetLicenseCodeRequest{
    // TODO: Fill request
    struct fields.
    // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#GetLicenseCodeRequest.
}
resp, err := c.Get(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseCodeRequest.
    }
    resp,
    err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

```

# 1.546 systemd 245.4-4ubuntu3.21

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jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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## 1.554 bridgeutils 1.7.1-r2

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Damian Gryski <dgryski@gmail.com>  
Jan Mercl <0xjnm@gmail.com>  
Kai Backman <kaib@golang.org>  
Marc-Antoine Ruel <maruel@chromium.org>  
Nigel Tao <nigeltao@golang.org>  
Rob Pike <r@golang.org>  
Rodolfo Carvalho <rhcarvalho@gmail.com>  
Russ Cox <rsc@golang.org>  
Sebastien Binet <seb.binet@gmail.com>  
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# 1.560 mpdecimal 2.5.1-r2

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bzip2/libbzip2 version 1.0.8 of 13 July 2019

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(at your option) any later version.
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```
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under certain conditions; type `show c' for details.
```

The hypothetical commands

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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Julian Seward, [jseward@bzip.org](mailto:jseward@bzip.org)  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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Any

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```

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```
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```

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

title: Notice

description : "Message pour vous aider structurer votre contenu"



---

Le shortcode `*Notice*` permet d'afficher 4 types de message pour vous aider structurer votre contenu.

### ### Note

---

```
{{%/ *notice note */%}}
```

Une notice de type `*note*`

```
{{%/ * /notice */%}}
```

---

s'affiche comme

```
{{% notice note %}}
```

Une notice de type `*note*`

```
{{% /notice %}}
```

### ### Info

---

```
{{%/ *notice info */%}}
```

Une notice de type `*info*`

```
{{%/ * /notice */%}}
```

---

s'affiche comme

```
{{% notice info %}}
```

Une notice de type `*info*`

```
{{% /notice %}}
```

### ### Tip

---

```
{{%/ *notice tip */%}}
```

Une notice de type `*tip*`

```
{{%/ * /notice */%}}
```

---

s'affiche comme

```
{{% notice tip %}}
```

Une notice de type `*tip*`

```
{{% /notice %}}
```

### ### Warning

---

```
{{%/notice warning */%}}  
Une notice de type *warning*  
{{%/notice */%}}  
---
```

s'affiche comme

```
{{% notice warning %}}  
Une notice de type *warning*  
{{% /notice %}}
```

---

title: Notice

description : "Disclaimers to help you structure your page"

---

The notice shortcode shows 4 types of disclaimers to help you structure your page.

### ### Note

---

```
{{%/notice note */%}}  
A notice disclaimer  
{{%/notice */%}}  
---
```

renders as

```
{{% notice note %}}  
A notice disclaimer  
{{% /notice %}}
```

### ### Info

---

```
{{%/notice info */%}}  
An information disclaimer  
{{%/notice */%}}  
---
```

renders as

```
{{% notice info %}}  
An information disclaimer  
{{% /notice %}}
```

### ### Tip

...

{{%/notice tip \*/%}}

A tip disclaimer

{{%/notice \*/%}}

...

renders as

{{% notice tip %}}

A tip disclaimer

{{% /notice %}}

### Warning

...

{{%/notice warning \*/%}}

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include/bsd/vis.h  
man/bitstring.3bsd  
man/errc.3bsd  
man/explicit\_bzero.3bsd  
man/fgetln.3bsd  
man/fgetwln.3bsd  
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man/pwcache.3bsd  
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man/radixsort.3bsd  
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man/strnstr.3bsd  
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man/strtou.3bsd  
man/unvis.3bsd  
man/vis.3bsd  
man/wcslcpy.3bsd  
src/getbsize.c  
src/heapsort.c  
src/merge.c  
src/nlist.c  
src/pwcache.c  
src/radixsort.c  
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man/stringlist.3bsd

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man/flopen.3bsd

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src/arc4random.c  
src/arc4random\_linux.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/arc4random\_win.h  
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src/freezero.c  
src/getentropy\_aix.c  
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src/getentropy\_solaris.c  
src/getentropy\_win.c  
src/readpassphrase.c  
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man/sha1.3

man/sha2.3

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src/helper.c

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Written by: Philip Hazel  
Email local part: Philip.Hazel  
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## 1.589 py3-parsing-pyc 3.0.9-r2

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# 1.593 pyc 0.1-r0

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# 1.594 py3-packaging-pyc 23.1-r1

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## 1.595 python-setuptools 67.7.2

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# 1.596 golang-protobuf-extensions 1.0.4

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# 1.597 crosswork-nca 4.5.0

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

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Russ Cox <rsc@golang.org>
Sebastien Binet <seb.binet@gmail.com>
//go:build go1.10
// +build go1.10
```



```

package pq

import (
    "context"
    "database/sql/driver"
)

// NoticeHandler returns the notice handler on the given connection, if any. A
// runtime panic occurs if c is not a pq connection. This is rarely used
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.
func NoticeHandler(c driver.Conn) func(*Error) {
    return c.(*conn).noticeHandler
}

// SetNoticeHandler sets the given notice handler on the given connection. A
// runtime panic occurs if c is not a pq connection. A nil handler may be used
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and
// ConnectorWithNoticeHandler instead.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
    c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {

```

```

return c.noticeHandler
}
return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error) *NoticeHandlerConnector {
if c, ok := c.(*NoticeHandlerConnector); ok {
c.noticeHandler = handler
return c
}
return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

```

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# Names should be added to this file as:

# Name <email address>

Paul Borman <borman@google.com>

Andrew Fort <afort@arista.com>

Rob Shakir <robjs@google.com>

Paul Borman <borman@google.com>

bmatsuo

shawnps

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## 1.598 rich 13.3.5

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# Contributors

The following people have contributed to the development of Rich:

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- [Patrick Arminio](<https://github.com/patrick91>)
- [Gregory Beauregard](<https://github.com/GBeauregard/pyffstream>)
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- [Dennis Brakhane](<https://github.com/brakhane>)
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- [Kilian Point](https://github.com/p0lux)
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## 1.599 libucontext 1.2-r2



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# 1.600 grpc-ecosystem-go-grpc-middleware

## 1.4.0

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# 1.601 logr 1.2.4

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Package: logr

Title: Creates Log Files

Version: 1.2.4

Authors@R:

person(given = "David",

family = "Bosak",

```
role = c("aut", "cre"),
email = "dbosak01@gmail.com")
```

Description: Contains functions to help create log files. The package aims to overcome the difficulty of the base R sink() command. The log\_print() function will print to both the console and the file log, without interfering in other write operations.

License: CC0

Encoding: UTF-8

URL: <https://logr.r-sassy.org>

BugReports: <https://github.com/dbosak01/logr/issues>

Depends: R (>= 3.4.0)

Suggests: knitr,

rmarkdown,

testthat,

tidylog,

dplyr,

utils

Imports: withr

VignetteBuilder: knitr

Roxygen: list(markdown = TRUE)

RoxygenNote: 7.1.1

Found in path(s):

```
* /opt/cola/permits/1659984856_1682927116.4079604/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/DESCRIPTION
```

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```
/*!
```

```
* Bootstrap Table of Contents v0.4.1 (http://afeld.github.io/bootstrap-toc/)
```

```
* Copyright 2015 Aidan Feldman
```

```
* Licensed under MIT (https://github.com/afeld/bootstrap-toc/blob/gh-pages/LICENSE.md) */
```

Found in path(s):

```
* /opt/cola/permits/1659984856_1682927116.4079604/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/docs/bootstrap-toc.css
```

```
* /opt/cola/permits/1659984856_1682927116.4079604/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/docs/bootstrap-toc.js
```

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```
/*
```

```
Source: https://github.com/algolia/docsearch/
```

```
License: MIT
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1659984856_1682927116.4079604/0/dbosak01-logr-v1-2-4-0-g8c5ac86-1-tar-gz/dbosak01-logr-8c5ac86/docs/docsearch.css
```

# 1.602 azure-azure-sdk-for-go-sdk-internal

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## 1.603 chardet 5.1.0

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Ty Coon, President of Vice

That's all there is to it!

# 1.604 gofrs-uuid 4.4.0+incompatible

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## 1.605 lib-pq 1.10.9

### 1.605.1 Available under license :

```
//go:build go1.10
```

```
// +build go1.10
```

```
package pq
```

```
import (  
    "context"  
    "database/sql/driver"  
)
```

```
// NoticeHandler returns the notice handler on the given connection, if any. A  
// runtime panic occurs if c is not a pq connection. This is rarely used  
// directly, use ConnectorNoticeHandler and ConnectorWithNoticeHandler instead.  
func NoticeHandler(c driver.Conn) func(*Error) {  
    return c.(*conn).noticeHandler  
}
```

```
// SetNoticeHandler sets the given notice handler on the given connection. A  
// runtime panic occurs if c is not a pq connection. A nil handler may be used  
// to unset it. This is rarely used directly, use ConnectorNoticeHandler and  
// ConnectorWithNoticeHandler instead.  
//
```

```
// Note: Notice handlers are executed synchronously by pq meaning commands  
// won't continue to be processed until the handler returns.  
func SetNoticeHandler(c driver.Conn, handler func(*Error)) {
```

```

c.(*conn).noticeHandler = handler
}

// NoticeHandlerConnector wraps a regular connector and sets a notice handler
//
// on it.
type NoticeHandlerConnector struct {
    driver.Connector
    noticeHandler func(*Error)
}

// Connect calls the underlying connector's connect method and then sets the
// notice handler.
func (n *NoticeHandlerConnector) Connect(ctx context.Context) (driver.Conn, error) {
    c, err := n.Connector.Connect(ctx)
    if err == nil {
        SetNoticeHandler(c, n.noticeHandler)
    }
    return c, err
}

// ConnectorNoticeHandler returns the currently set notice handler, if any. If
// the given connector is not a result of ConnectorWithNoticeHandler, nil is
// returned.
func ConnectorNoticeHandler(c driver.Connector) func(*Error) {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        return c.noticeHandler
    }
    return nil
}

// ConnectorWithNoticeHandler creates or sets the given handler for the given
// connector. If the given connector is a result of calling this function
// previously, it is simply set on the given connector and returned. Otherwise,
// this returns a new connector wrapping the given one and
// setting the notice
// handler. A nil notice handler may be used to unset it.
//
// The returned connector is intended to be used with database/sql.OpenDB.
//
// Note: Notice handlers are executed synchronously by pq meaning commands
// won't continue to be processed until the handler returns.
func ConnectorWithNoticeHandler(c driver.Connector, handler func(*Error)) *NoticeHandlerConnector {
    if c, ok := c.(*NoticeHandlerConnector); ok {
        c.noticeHandler = handler
        return c
    }
    return &NoticeHandlerConnector{Connector: c, noticeHandler: handler}
}

```

}

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## 1.606 ca-certificates 20230506-r0

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```

Found in path(s):

```
* /opt/cola/permits/1667253608_1683577718.267003/0/ca-certificates-20230506-tar-bz2/ca-certificates-  
20230506/mk-ca-bundle.pl
```

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

```
/* c_rehash.c - Create hash symlinks for certificates  
* C implementation based on the original Perl and shell versions  
*  
* Copyright (c) 2013-2014 Timo Teräs <timo.teras@iki.fi>  
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*  
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* Full license available at: http://opensource.org/licenses/MIT  
*/
```

Found in path(s):

```
* /opt/cola/permits/1667253608_1683577718.267003/0/ca-certificates-20230506-tar-bz2/ca-certificates-  
20230506/c_rehash.c
```



# 1.607 ncurses 6.4\_p20230506-r0

## 1.607.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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-- vile:txtmode fc=72  
-- \$Id: COPYING,v 1.12 2023/01/07 17:55:53 tom Exp \$  
Upstream source <https://invisible-island.net/ncurses/Ada95.html>

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This package is used for testing builds of ncurses.

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Files: progs/tset.c ncurses/tinfo/read\_termcap.c

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# 1.608 xz 5.4.3-r0

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# 1.612 py3-pip 23.1.2-r0

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



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

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

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

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes

2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
3.1.1	3.1	2009	PSF	yes
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1.6.1	1.6	2001	CNRI	yes (2)
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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		
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## 1.613 wget 1.21.4-r0

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## 1.614 alpine-baselayout 3.4.3-r1

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```
/*
* Create mount directories in fstab
*
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*
* usage: mkmntdirs [fstab]
*
*/
```

Found in path(s):

`/opt/cola/permits/1675356458_1684887865.7744117/0/alpine-baselayout-master-zip/alpine-baselayout-master/src/mkmntdirs.c`



# 1.615 libpanelw 6.4\_p20230506-r0

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-- vile: txtmode file-encoding=utf-8



# 1.616 py3-setuptools-pyc 67.7.2-r0

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

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

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

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
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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The code contained in this directory was automatically generated using the following command:

```
python -m validate_pyproject.pre_compile --output-dir=setuputils/config/_validate_pyproject --enable-plugins
setuputils.distutils --very-verbose
```

Please avoid changing it manually.

You can report issues or suggest changes directly to ``validate-pyproject`` (or to the relevant plugin repository)

- <https://github.com/abralvalheri/validate-pyproject/issues>

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- ``fastjsonschema_exceptions.py``:
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`fastjsonschema`

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

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

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

All

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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)
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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This package contains a modified version of ca-bundle.crt:

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

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

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

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v

\$ \$Revision: 1.80 \$ \$Date: 2011/11/03 15:11:58 \$

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- Chris McDonough, 2011/02/16

- Wichert Akkerman, 2012/02/02

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

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

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

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

Release	Derived	Year	Owner	GPL-
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	from		compatible? (1)	
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
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2.6.5	2.6.4	2010	PSF	yes
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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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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3				
2.1.2	2002	PSF	yes	
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes

2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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This script is compatible with the BSD install script, but was written from scratch. It can only install one file at a time, a restriction shared with many OS's install programs.

On Debian systems, the complete text of the GNU General Public License can be found in '/usr/share/common-licenses/GPL-2'

-- 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](mailto:dickey@invisible-island.net)>

-----  
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-----  
Files:

install-sh

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-- vile: txtmode file-encoding=utf-8

## 1.619 golang-glog 1.1.2

### 1.619.1 Available under license :

Apache License

Version 2.0, January 2004

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# 1.620 tzdata 2023c-r1

## 1.620.1 Available under license :

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```
/* ripped from uclibc
*
* Copyright (C) 2010 Denys Vlasenko <vda.linux@googlemail.com>
* Copyright (C) 2011 Natanael Copa <ncopa@alpinelinux.org>
*
* GNU Library General Public License (LGPL) version 2 or later.
*
*/
```

Found in path(s):

```
* /opt/cola/permits/1678090724_1684323555.0076678/0/posixtz-0-5-tar-xz/posixtz-0.5/posixtz.c
```

# 1.621 zlib1g 1.2.11.dfsg-2ubuntu1.5

## 1.621.1 Available under license :

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

```
/* inftrees.h -- header to use inftrees.c
* Copyright (C) 1995-2005, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.h
```

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

Not copyrighted -- provided to the public domain

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zlib_how.html
```

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

```
/* gzread.c -- zlib functions for reading gzip files
* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzread.c
```

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

```
/* zutil.c -- target dependent utility functions for the compression library
* Copyright (C) 1995-2017 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.c
```

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

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

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

Modifications for Zip64 support  
Copyright (C) 2009-2010 Mathias Svensson ( <http://result42.com> )

For more info read MiniZip\_info.txt

-----  
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-----  
Changes

See header of zip.h



\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/zip.h

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

/\* trees.c -- output deflated data using Huffman coding

\* Copyright (C) 1995-2017 Jean-loup Gailly

\* detect\_data\_type() function provided freely by Cosmin Truta, 2006

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/trees.c

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

/\* inflate.c -- zlib decompression

\* Copyright (C) 1995-2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.c

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

/\* zran.c -- example of zlib/gzip stream indexing and random access

\* Copyright (C) 2005, 2012 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

Version 1.1 29 Sep 2012 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zran.c

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

/\* zpipe.c: example of proper use of zlib's inflate() and deflate()

Not copyrighted -- provided to the public domain

Version 1.4 11 December 2005 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/zpipe.c

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/\* deflate.h -- internal compression state

\* Copyright (C) 1995-2016 Jean-loup Gailly

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\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.h

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

/\* inftrees.c -- generate Huffman trees for efficient decoding

\* Copyright (C) 1995-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inftrees.c

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

/\* Adler32.c -- compute the Adler-32 checksum of a data stream

\* Copyright (C) 1995-2011, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/adler32.c

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

/\* gzguts.h -- zlib internal header definitions for gz\* operations

\* Copyright (C) 2004, 2005, 2010, 2011, 2012, 2013, 2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzguts.h

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

/\* inflate.h -- internal inflate state definition

\* Copyright (C) 1995-2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inflate.h

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

/\* deflate.c -- compress data using the deflation algorithm

\* Copyright (C) 1995-2017 Jean-loup Gailly and Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/deflate.c

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

/\* gzwrite.c -- zlib functions for writing gzip files

\* Copyright (C) 2004-2017 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzwrite.c

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/\* gzjoin -- command to join gzip files into one gzip file

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version 1.2, 14 Aug 2012

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Mark Adler madler@alumni.caltech.edu

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzjoin.c

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

/\* zconf.h -- configuration of the zlib compression library

\* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.in
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h.cmakein
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zconf.h
No license file was found, but licenses were detected in source scan.
```

```
/* inffast.c -- fast decoding
```

```
* Copyright (C) 1995-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.c
No license file was found, but licenses were detected in source scan.
```

MiniZip - Copyright (c) 1998-2010 - by Gilles Vollant - version 1.1 64 bits from Mathias Svensson

Introduction

-----

MiniZip 1.1 is built from MiniZip 1.0 by Gilles Vollant ( <http://www.winimage.com/zLibDll/minizip.html> )

When adding ZIP64 support into minizip it would result into risk of breaking compatibility with minizip 1.0.  
All possible work was done for compatibility.

Background

-----

When adding ZIP64 support Mathias Svensson found that Even Rouault have added ZIP64 support for unzip.c into minizip for a open source project called gdal ( <http://www.gdal.org/> )

That was used as a starting point. And after that ZIP64 support was added to zip.c some refactoring and code cleanup was also done.

Changed from MiniZip 1.0 to MiniZip 1.1

-----

- \* Added ZIP64 support for unzip ( by Even Rouault )
- \* Added ZIP64 support for zip ( by Mathias Svensson )
- \* Reverted some changed that Even Rouault did.
- \* Bunch of patches received from Gulles Vollant that he received for MiniZip from various users.
- \* Added unzip patch for BZIP Compression method (patch create by Daniel Borca)
- \* Added BZIP Compress method for zip
- \* Did some refactoring and code cleanup

Credits

Gilles Vollant - Original MiniZip author  
Even Rouault - ZIP64 unzip Support  
Daniel Borca - BZip Compression method support in unzip  
Mathias Svensson - ZIP64 zip support  
Mathias Svensson - BZip Compression method support in zip

#### Resources

ZipLayout <http://result42.com/projects/ZipFileLayout>

Command line tool for Windows that shows the layout and information of the headers in a zip archive.

Used when debugging and validating the creation of zip files using MiniZip64

ZIP App Note <http://www.pkware.com/documents/casestudies/APPNOTE.TXT>

Zip File specification

#### Notes.

\* To be able to use BZip compression method in  
zip64.c or unzip64.c the BZIP2 lib is needed and HAVE\_BZIP2 need to be defined.

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-----  
Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/MiniZip64\_info.txt

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

```
/* uncompr.c -- decompress a memory buffer
* Copyright (C) 1995-2003, 2010, 2014, 2016 Jean-loup Gailly, Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/uncompr.c
No license file was found, but licenses were detected in source scan.
```

```
/*
* gzlog.c
* Copyright (C) 2004, 2008, 2012, 2016 Mark Adler, all rights reserved
* For conditions of distribution and use, see copyright notice in gzlog.h
* version 2.2, 14 Aug 2012
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/examples/gzlog.c
No license file was found, but licenses were detected in source scan.
```

```
/* example.c -- usage example of the zlib compression library
* Copyright (C) 1995-2006, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/test/example.c
No license file was found, but licenses were detected in source scan.
```

```
/* inffast.h -- header to use inffast.c
* Copyright (C) 1995-2003, 2010 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/inffast.h
No license file was found, but licenses were detected in source scan.
```

```
/* minigzip.c -- simulate gzip using the zlib compression library
* Copyright (C) 1995-2006, 2010, 2011, 2016 Jean-loup Gailly
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/test/minigzip.c
```

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

```
/* crc32.c -- compute the CRC-32 of a data stream
```

```
* Copyright (C) 1995-2006, 2010, 2011, 2012, 2016 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*
```

```
* Thanks to Rodney Brown <rbrown64@csc.com.au> for his contribution of faster
```

```
* CRC methods: exclusive-oring 32 bits of data at a time, and pre-computing
```

```
* tables for updating the shift register in one step with three exclusive-ors
```

```
* instead of four steps with four exclusive-ors. This results in about a
```

```
* factor of two increase in speed on a Power PC G4 (PPC7455) using gcc -O3.
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/crc32.c
```

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

Permission is granted to anyone to use this software for any purpose,

The origin of this software must not be misrepresented; you must not

Altered source versions must be plainly marked as such, and must not be

This notice may not be removed or altered from any source distribution.

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.3
```

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

```
# For conditions of distribution and use, see copyright notice in zlib.h
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.dj2
```

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/Makefile.emx
```

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/msdos/Makefile.emx
```

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/old/os2/Makefile.os2
```

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

```
/* gzclose.c -- zlib gzclose() function
```

```
* Copyright (C) 2004, 2010 Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzclose.c
```

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

```
/* zlib.c -- zlib functions common to reading and writing gzip files
* Copyright (C) 2004-2017 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/gzlib.c
No license file was found, but licenses were detected in source scan.
```

```
/* infcover.c -- test zlib's inflate routines with full code coverage
* Copyright (C) 2011, 2016 Mark Adler
* For conditions of distribution and use, see copyright notice in zlib.h
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-
1.2.11.dfsg/test/infcover.c
No license file was found, but licenses were detected in source scan.
```

```
/* 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 )
```

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

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.  
Code woven in by Terry Thorsen 1/2003.

Copyright (c) 1990-2000 Info-ZIP. All rights reserved.

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.  
If, for some reason, all these files are missing, the Info-ZIP license  
also may be found at: <ftp://ftp.info-zip.org/pub/infozip/license.html>



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

Copyright (C) 2007-2008 Even Rouault

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 received 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

Copyright (C) 1998 - 2010 Gilles Vollant, Even Rouault, Mathias Svensson

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.c

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

/\* gun.c -- simple gunzip to give an example of the use of inflateBack()

\* Copyright (C) 2003, 2005, 2008, 2010, 2012 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

Version 1.7 12 August 2012 Mark Adler \*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gun.c

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

/\* compress.c -- compress a memory buffer

\* Copyright (C) 1995-2005, 2014, 2016 Jean-loup Gailly, Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/compress.c

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

/\* unzip.h -- 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> )

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

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

-----

Condition of use and distribution are the same than zlib :

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2. Altered source versions must be plainly marked as such, and must not be misrepresented as being the original software.
3. This notice may not be removed or altered from any source distribution.

---

## Changes

See header of unzip64.c

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/contrib/minizip/unzip.h

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

## Frequently Asked Questions about zlib

If your question is not there, please check the zlib home page

<http://zlib.net/> which may have more recent information.

The latest zlib FAQ is at [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html)

### 1. Is zlib Y2K-compliant?

Yes. zlib doesn't handle dates.

### 2. Where can I get a Windows DLL version?

The zlib sources can be compiled without change to produce a DLL. See the file win32/DLL\_FAQ.txt in the zlib distribution. Pointers to the precompiled DLL are found in the zlib web site at <http://zlib.net/>.

### 3. Where can I get a Visual Basic interface to zlib?

See

\* <http://marknelson.us/1997/01/01/zlib-engine/>

\* win32/DLL\_FAQ.txt in the zlib distribution

### 4. compress() returns Z\_BUF\_ERROR.

Make sure that before the call of compress(), the length of the compressed buffer is equal to the available size of the compressed buffer and not zero. For Visual

Basic, check that this parameter is passed by reference

("as any"), not by value ("as long").

5. deflate() or inflate() returns Z\_BUF\_ERROR.

Before making the call, make sure that avail\_in and avail\_out are not zero. When setting the parameter flush equal to Z\_FINISH, also make sure that avail\_out is big enough to allow processing all pending input. Note that a Z\_BUF\_ERROR is not fatal--another call to deflate() or inflate() can be made with more input or output space. A Z\_BUF\_ERROR may in fact be unavoidable depending on how the functions are used, since it is not possible to tell whether or not there is more output pending when strm.avail\_out returns with zero. See [http://zlib.net/zlib\\_how.html](http://zlib.net/zlib_how.html) for a heavily annotated example.

6. Where's the zlib documentation (man pages, etc.)?

It's in zlib.h . Examples of zlib usage are in the files test/example.c and test/minigzip.c, with more in examples/ .

7. Why don't you use GNU autoconf or libtool or ...?

Because we would like to keep zlib as a very small and simple package. zlib is rather portable and doesn't need much configuration.

8. I found a bug in zlib.

Most of the time, such problems are due to an incorrect usage of zlib. Please try to reproduce the problem with a small program and send the corresponding source to us at [zlib@gzip.org](mailto:zlib@gzip.org) . Do not send multi-megabyte data files without prior agreement.

9. Why do I get "undefined reference to gzputc"?

If "make test" produces something like

```
example.o(.text+0x154): undefined reference to `gzputc'
```

check that you don't have old files libz.\* in /usr/lib, /usr/local/lib or /usr/X11R6/lib. Remove any old versions, then do "make install".

10. I need a Delphi interface to zlib.

See the contrib/delphi directory in the zlib distribution.

11. Can zlib handle .zip archives?

Not by itself, no. See the directory contrib/minizip in the zlib distribution.

12.

Can zlib handle .Z files?

No, sorry. You have to spawn an uncompress or gunzip subprocess, or adapt the code of uncompress on your own.

13. How can I make a Unix shared library?

By default a shared (and a static) library is built for Unix. So:

```
make distclean
./configure
make
```

14. How do I install a shared zlib library on Unix?

After the above, then:

```
make install
```

However, many flavors of Unix come with a shared zlib already installed. Before going to the trouble of compiling a shared version of zlib and trying to install it, you may want to check if it's already there! If you can `#include <zlib.h>`, it's there. The `-lz` option will probably link to it. You can check the version at the top of `zlib.h` or with the `ZLIB_VERSION` symbol defined in `zlib.h`.

15. I have a question about OttoPDF.

We are not the authors of OttoPDF. The real author is on the OttoPDF web site: Joel Hainley, [jhainley@myndkryme.com](mailto:jhainley@myndkryme.com).

16.

Can zlib decode Flate data in an Adobe PDF file?

Yes. See <http://www.pdflib.com/>. To modify PDF forms, see <http://sourceforge.net/projects/acroformtool/>.

17. Why am I getting this "register\_frame\_info not found" error on Solaris?

After installing zlib 1.1.4 on Solaris 2.6, running applications using zlib generates an error such as:

```
ld.so.1: rpm: fatal: relocation error: file /usr/local/lib/libz.so:
symbol __register_frame_info: referenced symbol not found
```

The symbol `__register_frame_info` is not part of zlib, it is generated by

the C compiler (cc or gcc). You must recompile applications using zlib which have this problem. This problem is specific to Solaris. See <http://www.sunfreeware.com> for Solaris versions of zlib and applications using zlib.

18. Why does gzip give an error on a file I make with compress/deflate?

The compress and deflate functions produce data in the zlib format, which is different and incompatible with the gzip format. The gz\* functions in zlib on the other hand use the gzip format. Both the zlib and gzip formats use the same compressed data format internally, but have different headers and trailers around the compressed data.

19. Ok, so why are there two different formats?

The gzip format was designed to retain the directory information about a single file, such as the name and last modification date. The zlib format on the other hand was designed for in-memory and communication channel applications, and has a much more compact header and trailer and uses a faster integrity check than gzip.

20. Well that's nice, but how do I make a gzip file in memory?

You can request that deflate write the gzip format instead of the zlib format using deflateInit2(). You can also request that inflate decode the gzip format using inflateInit2(). Read zlib.h for more details.

21. Is zlib thread-safe?

Yes. However any library routines that zlib uses and any application-provided memory allocation routines must also be thread-safe. zlib's gz\* functions use stdio library routines, and most of zlib's functions use the library memory allocation routines by default. zlib's \*Init\* functions allow for the application to provide custom memory allocation routines.

Of course, you should only operate on any given zlib or gzip stream from a single thread at a time.

22. Can I use zlib in my commercial application?

Yes. Please read the license in zlib.h.

23. Is zlib under the GNU license?

No. Please read the license in zlib.h.

24. The license says that altered source versions must be "plainly marked". So what exactly do I need to do to meet that requirement?

You need to change the `ZLIB_VERSION` and `ZLIB_VERNUM` #defines in `zlib.h`. In particular, the final version number needs to be changed to "f", and an identification string should be appended to `ZLIB_VERSION`. Version numbers `x.x.x.f` are reserved for modifications to `zlib` by others than the `zlib` maintainers. For example, if the version of the base `zlib` you are altering is "1.2.3.4", then in `zlib.h` you should change `ZLIB_VERNUM` to `0x123f`, and `ZLIB_VERSION` to something like "1.2.3.f-zachary-mods-v3". You can also update the version strings in `deflate.c` and `inftrees.c`.

For altered source distributions, you should also note the origin and nature of the changes in `zlib.h`, as well as in `ChangeLog` and `README`, along with the dates of the alterations. The origin should include at least your name (or your company's name), and an email address to contact for help or issues with the library.

Note that distributing a compiled `zlib` library along with `zlib.h` and `zconf.h` is also a source distribution, and so you should change `ZLIB_VERSION` and `ZLIB_VERNUM` and note the origin and nature of the changes in `zlib.h` as you would for a full source distribution.

25.

Will `zlib` work on a big-endian or little-endian architecture, and can I exchange compressed data between them?

Yes and yes.

26. Will `zlib` work on a 64-bit machine?

Yes. It has been tested on 64-bit machines, and has no dependence on any data types being limited to 32-bits in length. If you have any difficulties, please provide a complete problem report to [zlib@gzip.org](mailto:zlib@gzip.org)

27. Will `zlib` decompress data from the PKWare Data Compression Library?

No. The PKWare DCL uses a completely different compressed data format than does PKZIP and `zlib`. However, you can look in `zlib's contrib/blast` directory for a possible solution to your problem.

28. Can I access data randomly in a compressed stream?

No, not without some preparation. If when compressing you periodically use `Z_FULL_FLUSH`, carefully write all the pending data at those points, and keep an index of those locations, then you can start decompression at those points. You have to be

careful to not use `Z_FULL_FLUSH` too often, since it can significantly degrade compression. Alternatively, you can scan a deflate stream once to generate an index, and then use that index for random access. See `examples/zran.c`.

29. Does zlib work on MVS, OS/390, CICS, etc.?

It has in the past, but we have not heard of any recent evidence. There were working ports of zlib 1.1.4 to MVS, but those links no longer work. If you know of recent, successful applications of zlib on these operating systems, please let us know. Thanks.

30. Is there some simpler, easier to read version of inflate I can look at to understand the deflate format?

First off, you should read RFC 1951. Second, yes. Look in zlib's `contrib/puff` directory.

31. Does zlib infringe on any patents?

As far as we know, no. In fact, that was originally the whole point behind zlib. Look here for some more information:

<http://www.gzip.org/#faq11>

32. Can zlib work with greater than 4 GB of data?

Yes. `inflate()` and `deflate()` will process any amount of data correctly. Each call of `inflate()` or `deflate()` is limited to input and output chunks of the maximum value that can be stored in the compiler's "unsigned int" type, but there is no limit to the number of chunks. Note however that the `strm.total_in` and `strm_total_out` counters may be limited to 4 GB. These counters are provided as a convenience and are not used internally by `inflate()` or `deflate()`. The application can easily set up its own counters updated after each call of `inflate()` or `deflate()` to count beyond 4 GB. `compress()` and `uncompress()` may be limited to 4 GB, since they operate in a single call. `gzseek()` and `gztell()` may be limited to 4 GB depending on how zlib is compiled. See the `zlibCompileFlags()` function in `zlib.h`.

The word "may" appears several times above since there is a 4 GB limit only if the compiler's "long" type is 32 bits. If the compiler's "long" type is 64 bits, then the limit is 16 exabytes.

33. Does zlib have any security vulnerabilities?

The only one that we are aware of is potentially in `gzprintf()`. If zlib is



compiled to use `sprintf()` or `vsprintf()`, then there is no protection against a buffer overflow of an 8K string space (or other value as set by `gzbuffer()`), other than the caller of `gzprintf()` assuring that the output will not exceed 8K. On the other hand, if zlib is compiled to use `snprintf()` or `vsnprintf()`, which should normally be the case, then there is no vulnerability. The `./configure` script will display warnings if an insecure variation of `sprintf()` will be used by `gzprintf()`. Also the `zlibCompileFlags()` function will return information on what variant of `sprintf()` is used by `gzprintf()`.

If you don't have `snprintf()` or `vsnprintf()` and would like one, you can find a portable implementation here:

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

Note that you should be using the most recent version of zlib. Versions 1.1.3 and before were subject to a double-free vulnerability, and versions 1.2.1 and 1.2.2 were subject to an access exception when decompressing invalid compressed data.

34. Is there a Java version of zlib?

Probably what you want is to use zlib in Java. zlib is already included as part of the Java SDK in the `java.util.zip` package. If you really want a version of zlib written in the Java language, look on the zlib home page for links: <http://zlib.net/>.

35. I get this or that compiler or source-code scanner warning when I crank it up to maximally-pedantic. Can't you guys write proper code?

Many years ago, we gave up attempting to avoid warnings on every compiler in the universe. It just got to be a waste of time, and some compilers were downright silly as well as contradicted each other. So now, we simply make sure that the code always works.

36. Valgrind (or some similar memory access checker) says that deflate is performing a conditional jump that depends on an uninitialized value. Isn't that a bug?

No. That is intentional for performance reasons, and the output of deflate is not affected. This only started showing up recently since zlib 1.2.x uses `malloc()` by default for allocations, whereas earlier versions used `calloc()`, which zeros out the allocated memory. Even though the code was correct, versions 1.2.4 and later was changed to not stimulate these checkers.

37. Will zlib read the (insert any ancient or arcane format here) compressed

data format?

Probably not. Look in the comp.compression FAQ for pointers to various formats and associated software.

38. How can I encrypt/decrypt zip files with zlib?

zlib doesn't support encryption. The original PKZIP encryption is very weak and can be broken with freely available programs. To get strong encryption, use GnuPG, <http://www.gnupg.org/>, which already includes zlib compression. For PKZIP compatible "encryption", look at <http://www.info-zip.org/>

39. What's the difference between the "gzip" and "deflate" HTTP 1.1 encodings?

"gzip" is the gzip format, and "deflate" is the zlib format. They should probably have called the second one "zlib" instead to avoid confusion with the raw deflate compressed data format. While the HTTP 1.1 RFC 2616 correctly points to the zlib specification in RFC 1950 for the "deflate" transfer encoding, there have been reports of servers and browsers that incorrectly produce or expect raw deflate data per the deflate specification in RFC 1951, most notably Microsoft. So even though the "deflate" transfer encoding using the zlib format would be the more efficient approach (and in fact exactly what the zlib format was designed for), using the "gzip" transfer encoding is probably more reliable due to an unfortunate choice of name on the part of the HTTP 1.1 authors.

Bottom line: use the gzip format for HTTP 1.1 encoding.

40. Does zlib support the new "Deflate64" format introduced by PKWare?

No. PKWare has apparently decided to keep that format proprietary, since they have not documented it as they have previous compression formats. In any case, the compression improvements are so modest compared to other more modern approaches, that it's not worth the effort to implement.

41. I'm having a problem with the zip functions in zlib, can you help?

There are no zip functions in zlib. You are probably using minizip by Giles Vollant, which is found in the contrib directory of zlib. It is not part of zlib. In fact none of the stuff in contrib is part of zlib. The files in there are not supported by the zlib authors. You need to contact the authors of the respective contribution for help.

42. The match.asm code in contrib is under the GNU General

Public License.

Since it's part of zlib, doesn't that mean that all of zlib falls under the GNU GPL?

No. The files in contrib are not part of zlib. They were contributed by other authors and are provided as a convenience to the user within the zlib distribution. Each item in contrib has its own license.

43. Is zlib subject to export controls? What is its ECCN?

zlib is not subject to export controls, and so is classified as EAR99.

44. Can you please sign these lengthy legal documents and fax them back to us so that we can use your software in our product?

No. Go away. Shoo.

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/FAQ
```

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

```
/* zutil.h -- internal interface and configuration of the compression library
```

```
* Copyright (C) 1995-2016 Jean-loup Gailly, Mark Adler
```

```
* For conditions of distribution and use, see copyright notice in zlib.h
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zutil.h
```

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

```
/* gzlog.h
```

```
Copyright (C) 2004, 2008, 2012 Mark Adler, all rights reserved
```

```
version 2.2, 14 Aug 2012
```

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Mark Adler madler@alumni.caltech.edu

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzlog.h

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

/\* infback.c -- inflate using a call-back interface

\* Copyright (C) 1995-2016 Mark Adler

\* For conditions of distribution and use, see copyright notice in zlib.h

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/infback.c

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/\* gzappend -- command to append to a gzip file

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version 1.2, 11 Oct 2012

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\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/gzappend.c

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

```
/* fitblk.c: example of fitting compressed output to a specified size
   Not copyrighted -- provided to the public domain
   Version 1.1 25 November 2004 Mark Adler */
```

Found in path(s):

```
* /opt/cola/permits/1679297487_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/examples/fitblk.c
```

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## ZLIB DATA COMPRESSION LIBRARY

zlib 1.2.11 is a general purpose data compression library. All the code is thread safe. 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](http://tools.ietf.org/html/rfc1951) (deflate format) and [rfc1952](http://tools.ietf.org/html/rfc1952) (gzip format).

All functions of the compression library are documented in the file `zlib.h` (volunteer to write man pages welcome, contact [zlib@gzip.org](mailto:zlib@gzip.org)). A usage example of the library is given in the file `test/example.c` which also tests that the library is working correctly. Another example is given in the file `test/minigzip.c`. The compression library itself is composed of all source files in the root directory.

To compile all files and run the test program, follow the instructions given at the top of `Makefile.in`. In short `./configure; make test`, and if that goes well, `make install` should work for most flavors of Unix. For Windows, use one of the special makefiles in `win32/` or `contrib/vstudio/`. For VMS, use `make_vms.com`.

Questions about zlib should be sent to [<zlib@gzip.org>](mailto:zlib@gzip.org), or to Gilles Vollant [<info@winimage.com>](mailto:info@winimage.com) for the Windows DLL version. The zlib home page is <http://zlib.net/>. Before reporting a problem, please check this site to verify that you have the latest version of zlib; otherwise get the latest version and check whether the problem still exists or not.

PLEASE read the zlib FAQ [http://zlib.net/zlib\\_faq.html](http://zlib.net/zlib_faq.html) before asking for help.

Mark Nelson [<markn@ieee.org>](mailto:markn@ieee.org) wrote an article about zlib for the Jan. 1997 issue of Dr. Dobbs' Journal; a copy of the article is available at <http://marknelson.us/1997/01/01/zlib-engine/>.

The changes made in version 1.2.11 are documented in the file `ChangeLog`.

Unsupported third party contributions are provided in directory `contrib/`.

zlib is available in Java using the java.util.zip package, documented at <http://java.sun.com/developer/technicalArticles/Programming/compression/>

.

A Perl interface to zlib written by Paul Marquess <pmqs@cpan.org> is available at CPAN (Comprehensive Perl Archive Network) sites, including <http://search.cpan.org/~pmqs/IO-Compress-Zlib/> .

A Python interface to zlib written by A.M. Kuchling <amk@amk.ca> is available in Python 1.5 and later versions, see <http://docs.python.org/library/zlib.html> .

zlib is built into tcl: <http://wiki.tcl.tk/4610> .

An experimental package to read and write files in .zip format, written on top of zlib by Gilles Vollant <info@winimage.com>, is available in the contrib/minizip directory of zlib.

Notes for some targets:

- For Windows DLL versions, please see win32/DLL\_FAQ.txt
- For 64-bit Irix, deflate.c must be compiled without any optimization. With -O, one libpng test fails. The test works in 32 bit mode (with the -n32 compiler flag). The compiler bug has been reported to SGI.
- zlib doesn't work with gcc 2.6.3 on a DEC 3000/300LX under OSF/1 2.1 it works when compiled with cc.
- On Digital Unix 4.0D (formely OSF/1) on AlphaServer, the cc option -std1 is necessary to get gzprintf working correctly. This is done by configure.
- zlib doesn't work on HP-UX 9.05 with some versions of /bin/cc. It works with other compilers. Use "make test" to check your compiler.
- gzdopen is not supported on RISCOS or BEOS.
- For PalmOs, see <http://palmzlib.sourceforge.net/>

Acknowledgments:

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

are too numerous to cite here.

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

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Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/README

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/\*

Additional tools for Minizip  
Code: Xavier Roche '2004  
License: Same as ZLIB (www.gzip.org)

\*/

Found in path(s):

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-

1.2.11.dfsg/contrib/minizip/mztools.c

\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-

1.2.11.dfsg/contrib/minizip/mztools.h

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

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

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\*/

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\* /opt/cola/permits/1679297487\_1684349702.547043/0/zlib-1-2-11-dfsg-orig-2-tar-gz/zlib-1.2.11.dfsg/zlib.h

## 1.622 login 4.8.1-1ubuntu5.20.04.4

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```
* /opt/cola/permits/1679450782_1685340861.071418/0/ca-certificates-20230506-tar-bz2/ca-certificates-20230506/mk-ca-bundle.pl
```

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```
/* c_rehash.c - Create hash symlinks for certificates
```

```
* C implementation based on the original Perl and shell versions
```

```
*
```

```
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```

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```

## 1.626 libncurses 6.2-0ubuntu2.1

### 1.626.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

-----  
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\*  
\* @(#)queue.h 8.5 (Berkeley) 8/20/94  
\*/

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\* /opt/cola/permits/1686513755\_1685082238.691036/0/aports-master-main-libc-dev-  
zip/aports-master-main-libc-dev/main/libc-dev/sys-queue.h

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\* /opt/cola/permits/1686513755\_1685082238.691036/0/aports-master-main-libc-dev-zip/aports-master-main-libc-dev/main/libc-dev/sys-tree.h

## 1.630 urllib3 1.26.16

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```

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Ty Coon, President of Vice
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## 1.632 gettext 0.21.1-r7

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```

```
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@c hence no sectioning command or @node.
```

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@subheading END OF TERMS AND CONDITIONS

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file to most effectively  
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``copyright" line and a pointer to where the full notice is found.

```
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@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end
smallexample
```

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```
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`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

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

That's all there is to it!  
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@c The GNU General Public License.  
@center Version 2, June 1991

```
@c This file is intended to be included within another document,
@c hence no sectioning command or @node.
```

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@page

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```
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@var{one line to give the program's name
and a brief idea of what it does.}
Copyright (C) @var{yyyy} @var{name of author}
```

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@end smallexample

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

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

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

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

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@example

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

Ty Coon, President of Vice

@end example

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,



- the gettext.sh shells script function library.

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- 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.

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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.

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

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

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

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

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

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is

normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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

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The

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```
/*
 * Create mount directories in fstab
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 *
 * usage: mkmntdirs [fstab]
 *
 */
```

Found in path(s):

```
* /opt/cola/permits/1690300026_1684996389.3603017/0/alpine-baselayout-master-zip/alpine-baselayout-master/src/mkmntdirs.c
```

## 1.636 bash 5.2.15-r5

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```

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```
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```

```
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```
@smallexample
@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year} @var{name of author}
```

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```
@end
smallexample
```

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

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

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

That's all there is to it!

This subpackage is under the GPL, see file COPYING in the toplevel directory.

The libasprintf package is under the LGPL, see file COPYING.LIB.

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@center Version 2, June 1991

@c This file is intended to be included within another document,

@c hence no sectioning command or @node.

@display

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@end iftex

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@page

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

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@smallexample

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

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@end smallexample

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

@smallexample

Gnomovision version

69, Copyright (C) @var{year} @var{name of author}

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

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@end smallexample

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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 program, if necessary. Here is a sample; alter the names:

@example

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

Ty Coon, President of Vice

@end example

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- the libintl.jar Java library,
- the GNU.Gettext.dll C# library,
- the gettext.sh shells script function library.

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

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threshold for this to be true is not precisely defined by law.

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

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

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

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

^L

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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.

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

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Any

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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Developed by:

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That's all there is to it!

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Version 3.1, 31 March 2009

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# 1.654 python3.8-minimal 3.8.10- 0ubuntu1~20.04.8

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=====

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

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

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

All

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

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

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

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# 1.656 perl-base 5.30.0-9ubuntu0.4

## 1.656.1 Available under license :

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?RCS: \$Id: Unix.U,v 3.0.1.1 1997/02/28 15:20:06 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Unix.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:20:06 ram

?RCS: patch61: created

?RCS:

?X:

?X: The purpose of this unit is to define things that are common across all

?X: known UNIX platforms. If Configure is ported/used on a non-UNIX

?X: environment, then some of the following variables can be redefined in hint

?X: files.

?X:

?MAKE: Unix \_exe \_a \_o exe\_ext lib\_ext obj\_ext path\_sep \

firstmakefile archobjs rm\_try: Oldconfig rm

?MAKE: -pick add \$@ %<

?S: \_exe:

?S: This

variable defines the extension used for executable files.

?S: DJGPP, Cygwin and OS/2 use '.exe'. Stratus VOS uses '.pm'.

?S: On operating systems which do not require a specific extension

?S: for executable files, this variable is empty.

?S:.

?S: \_a:

?S: This variable defines the extension used for ordinary library files.

?S: For unix, it is '.a'. The '.' is included. Other possible

?S: values include '.lib'.

?S:.

?S: \_o:

?S: This variable defines the extension used for object files.

?S: For unix, it is '.o'. The '.' is included. Other possible

?S: values include '.obj'.

?S:.

?S: firstmakefile:

?S: This variable defines the first file searched by make. On unix,

?S: it is makefile (then Makefile). On case-insensitive systems,

?S: it might be something else. This is only used to deal with

?S: convoluted make depend tricks.

?S:.

?S: archobjs:

?S: This variable defines any additional objects that must be linked

?S: in with the program on this architecture. On unix, it is usually

?S: empty.

It is typically used to include emulations of unix calls

?S: or other facilities. For perl on OS/2, for example, this would

?S: include os2/os2.obj.

?S:.

?X: Metaconfig's Obsolete symbol stuff is too over-eager. In the

?X: perl sources, it picks up things like "P" and "FLOCK" that are

?X: not used in the way Metaconfig thinks they are. Thus I can't

?X: just declare these obsolete and then run metaconfig -o.

?X: Instead, I'll just handle them here.

?X: Sadly, history has conspired to give us a web of definitions;

?X: this could have been much simpler.

?S: lib\_ext:

?S: This is an old synonym for \_a.

?S:.

?S: exe\_ext:

?S: This is an old synonym for \_exe.

?S:.

?S: obj\_ext:

?S: This is an old synonym for \_o.

?S:.

?S: path\_sep:

?S: This is an old synonym for p\_ in Head.U, the character

?S: used to separate elements in the command shell search PATH.

```

?S:.
?S:rm_try:
?S: This is a cleanup variable for try test programs.
?S: Internal Configure use only.
?S:.
?LINT: change p_
?INIT::
    Trailing extension. Override this in a hint file, if needed.
?INIT:: Extra object files, if any, needed on this platform.
?INIT:archobjs="
: Define several unixisms.
: Hints files or command line option can be used to override them.
: The convoluted testing is in case hints files set either the old
: or the new name.
case "$_exe" in
") case "$exe_ext" in
    ") ;;
    *) _exe="$exe_ext" ;;
esac
;;
esac
case "$_a" in
") case "$lib_ext" in
    ") _a='.a';;
    *) _a="$lib_ext" ;;
esac
;;
esac
case "$_o" in
") case "$obj_ext" in
    ") _o='.o';;
    *) _o="$obj_ext";;
esac
;;
esac
case "$p_" in
") case "$path_sep" in
    ") p_=':'.;
    *) p_="$path_sep";;
esac
;;
esac
exe_ext=$_exe
lib_ext=$_a
obj_ext=$_o
path_sep=$p_

rm_try="$rm -f try try$_exe a.out .out try.[cho] try.$_o core core.try* try.core*"

```

```
@if firstmakefile
: Which makefile gets called first. This is used by make depend.
case "$firstmakefile" in
") firstmakefile='makefile';;
esac

@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Unix.U
```

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```
?RCS: $Id: d_setruid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_setruid.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:15 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_setruid: Inlibc
?MAKE: -pick add $@ %<
?S:d_setruid:
?S: This variable conditionally defines the HAS_SETRUID symbol, which
?S: indicates to the C program that the setruid() routine is available
?S: to change the real uid of the current program.
?S:.
?C:HAS_SETRUID (SETRUID):
?C: This symbol, if defined, indicates that the setruid
routine is available
?C: to change the real uid of the current program.
?C:.
?H:#$d_setruid HAS_SETRUID /**/
?H:.
?LINT:set d_setruid
: see if setruid exists
set setruid d_setruid
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setruid.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: \$Log: Oldconfig.U,v \$

?RCS: Revision 3.0.1.10 1997/02/28 15:06:39 ram

?RCS: patch61: added support for src.U

?RCS: patch61: new OSNAME define

?RCS: patch61: can now sense new OSes

?RCS:

?RCS: Revision 3.0.1.9 1995/07/25 13:40:51 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.8 1995/05/12 12:04:18 ram

?RCS: patch54: config.sh reload logic now knows about new -K switch

?RCS: patch54: cleaned up and extended osvers for DEC OSF/1 (ADO)

?RCS: patch54: added MachTen detection

(ADO)

?RCS:

?RCS: Revision 3.0.1.7 1995/02/15 14:13:41 ram

?RCS: patch51: adapted osvers computation for AIX (ADO)

?RCS:

?RCS: Revision 3.0.1.6 1995/01/30 14:27:15 ram

?RCS: patch49: unit Options.U now exports file optdef.sh, not a variable

?RCS: patch49: update code for myuname changed (WED)

?RCS:

?RCS: Revision 3.0.1.5 1995/01/11 15:15:36 ram

?RCS: patch45: added quotes around the INITPROG variable (ADO)

?RCS: patch45: allows variable overriding after config file loading

?RCS:

?RCS: Revision 3.0.1.4 1994/10/29 15:57:05 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: merged with the version used for perl5's Configure (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/05/06 14:24:17 ram

?RCS: patch23: added support for osf1 hints

?RCS: patch23: new support for solaris and i386 systems (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/01/24 14:05:02 ram  
?RCS: patch16: added post-processing on myuname for Xenix targets  
?RCS: patch16: message proposing config.sh  
defaults made consistent  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:56:32 ram  
?RCS: patch10: force use of config.sh when -d option is used (WAD)  
?RCS: patch10: complain about non-existent hint files (WAD)  
?RCS: patch10: added Options dependency for fastread variable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit tries to remember what we did last time we ran Configure, mostly  
?X: for the sake of setting defaults.  
?X:  
?MAKE:Oldconfig hint myuname osname osvers: Instruct Myread Checkcc \  
Mksymlinks Loc Options Tr src trnl ln uname sh awk sed test cat grep \  
rm lns tr n c contains targetarch  
?MAKE: -pick wipe \$@ %<  
?S:myuname:  
?S: The output of 'uname -a' if available, otherwise the hostname. On Xenix,  
?S: pseudo variables assignments in the output are stripped, thank you. The  
?S: whole thing is then lower-cased.  
?S:.  
?S:hint:  
?S: Gives the type of hints used for previous answers. May be one of  
?S: "default",  
"recommended" or "previous".  
?S:.  
?S:osname:  
?S: This variable contains the operating system name (e.g. sunos,  
?S: solaris, hpux, etc.). It can be useful later on for setting  
?S: defaults. Any spaces are replaced with underscores. It is set  
?S: to a null string if we can't figure it out.  
?S:.  
?S:osvers:  
?S: This variable contains the operating system version (e.g.  
?S: 4.1.3, 5.2, etc.). It is primarily used for helping select  
?S: an appropriate hints file, but might be useful elsewhere for  
?S: setting defaults. It is set to " if we can't figure it out.  
?S: We try to be flexible about how much of the version number  
?S: to keep, e.g. if 4.1.1, 4.1.2, and 4.1.3 are essentially the  
?S: same for this package, hints files might just be os\_4.0 or  
?S: os\_4.1, etc., not keeping separate files for each little release.  
?S:.  
?C:OSNAME:

?C: This symbol contains the name of the operating system, as determined  
?C: by Configure. You shouldn't rely on it too much; the specific  
?C: feature tests from Configure are generally more reliable.  
?C:.  
?C:OSVERS:  
?C: This symbol contains the version of the operating system, as determined  
?C: by Configure. You shouldn't rely on it too much; the specific  
?C: feature tests from Configure are generally more reliable.  
?C:.  
?H:#define OSNAME "\$osname" /\*\*/  
?H:#define OSVERS "\$osvers" /\*\*/  
?H:.  
?F:!config.sh  
?T:tmp tmp\_n tmp\_c tmp\_sh file  
?T:xxxxfile xxxfile xxfile xfile hintfile newmyuname  
?T:tans \_ isesix INITPROG DJGPP has\_uname  
?D:osname="  
?LINT:change n c sh  
?LINT:extern hostarch  
?LINT:change hostarch  
: Determine the name of the machine  
myuname=`\$uname -a 2>/dev/null`  
\$test -z "\$myuname" && myuname=`hostname 2>/dev/null`  
?X: Special mention for Xenix, whose 'uname -a' gives us output like this:  
?X: sysname=XENIX  
?X: nodename=whatever  
?X: release=2.3.2 .. etc...  
?X: Therefore, we strip all this variable assignment junk and remove all the  
?X: new lines to keep the myuname variable sane... --RAM  
myuname=`echo \$myuname | \$sed -e  
's/^[^=]\*=/' -e 's/\\//g' | \  
./tr '[A-Z]' '[a-z]' | \$tr \$trnl ' '^`  
?X: Save the value we just computed to reset myuname after we get done here.  
newmyuname="\$myuname"  
\$test -f "\$uname\$\_exe" && has\_uname=y

: Guessing of the OS name -- half the following guesses are probably wrong...  
: If you have better tests or hints, please send them to the metaconfig  
: authors and to <MAINTLOC>  
\$test -f /irix && osname=irix  
\$test -f /xenix && osname=sco\_xenix  
\$test -f /dynix && osname=dynix  
\$test -f /dnix && osname=dnix  
\$test -f /lynx.os && osname=lynxos  
\$test -f /unicos && osname=unicos && osvers=`\$uname -r`  
\$test -f /unicosmk && osname=unicosmk && osvers=`\$uname -r`  
\$test -f /unicosmk.ar && osname=unicosmk && osvers=`\$uname -r`

```

$stest -f /bin/mips && /bin/mips && osname=mips
$stest -d /NextApps && set X `hostinfo | $grep 'NeXT Mach.*:' | \
  $sed -e 's:/:/' -e 's\./_/' && osname=next && osvers=$4
$stest -d /usr/apollo/bin && osname=apollo
$stest -f /etc/saf/_sactab && osname=svr4
$stest -d /usr/include/minix
  && osname=minix
$stest -f /system/gnu_library/bin/ar.pm && osname=vos
if $stest -d /MachTen -o -d /MachTen_Folder; then
?X: MachTen uname -a output looks like
?X: xxx 4 0.0 Macintosh
?X: MachTen /sbin/version output looks like
?X: MachTen 4.0 Mon Aug 28 10:18:00 1995
?X: MachTen 3.x had the 'version' command in /usr/etc/version.
  osname=machten
  if $stest -x /sbin/version; then
    osvers=`/sbin/version | $awk '{print $2}' |
    $sed -e 's/[A-Za-z]$/'^
  elif $stest -x /usr/etc/version; then
    osvers=`/usr/etc/version | $awk '{print $2}' |
    $sed -e 's/[A-Za-z]$/'^
  else
    osvers="$2.$3"
  fi
fi
$stest -f /sys/posix.dll &&
$stest -f /usr/bin/what &&
set X `usr/bin/what /sys/posix.dll` &&
$stest "$3" = UWIN &&
  osname=uwin &&
  osvers="$5"
?X: If we have uname, we already computed a suitable uname -a output, correctly
?X: formatted for Xenix, and it lies in $myuname.
if $stest "X$has_uname" != X; then
  set X $myuname
  shift
  case "$5" in
  fps*) osname=fps ;;
  mips*)
    case "$4"
    in
    umips) osname=umips ;;
    *) osname=mips ;;
    esac;;
  [23]100) osname=mips ;;
  next*) osname=next ;;
?X: Interactive Unix.
  i386*)

```



```

tmp=`/bin/uname -X 2>/dev/null|awk '/3\.2v[45]/{ print $(NF) }`
if $test "$tmp" != "" -a "$3" = "3.2" -a -f /etc/systemid; then
    osname='sco'
    osvers=$tmp
elif $test -f /etc/kconfig; then
    osname=isc
if $test "$lns" = "$ln -s"; then
    osvers=4
elif $contains _SYSV3 /usr/include/stdio.h > /dev/null 2>&1 ; then
    osvers=3
elif $contains _POSIX_SOURCE /usr/include/stdio.h > /dev/null 2>&1 ; then
    osvers=2
fi
fi
tmp=""
;;

```

?X: MS-DOS djgpp uname -a output looks like:

?X: ms-dos xxx 6 22 pc

?X: \$1 is the "dos flavor" (need not be "ms-dos").

?X: \$2 is the node name

?X: \$3 and \$4 are version/subversion

?X: \$5 is always "pc", but that might not be unique to DJGPP.

?X: (e.g. Solaris\_x86 has \$5 = i86pc, which doesn't actually conflict,

?X: but it's close enough that I can easily imagine other vendors also

?X: using variants

of pc\* in \$5.)

?X: The "DJGPP" environment variable is always set when djgpp is active.

pc\*)

```

if $test -n "$DJGPP"; then

```

```

    osname=dos

```

```

    osvers=djgpp

```

```

fi

```

```

;;

```

```

esac

```

```

case "$1" in

```

```

aix) osname=aix

```

?X: aix 4.1 uname -a output looks like

?X: AIX foo 1 4 000123456789

?X: where \$4 is the major release number and \$3 is the (minor) version.

?X: More detail on the version is available with the oslevel command.

?X: in 3.2.x, it output a string (see case statements below). In 4.1,

?X: it puts out something like 4.1.1.0

```

tmp=`( oslevel) 2>/dev/null || echo "not found") 2>&1`

```

```

case "$tmp" in

```

```

'not found') osvers="$4"."$3" ;;

```

```

'<3240'|<>3240') osvers=3.2.0 ;;

```

```

'<=3240'|>3240'|<3250'|<>3250') osvers=3.2.4 ;;

```

```

'<=3250'|>3250') osvers=3.2.5 ;;

```

```

*) osvers=$tmp;;
esac
;;
bsd386) osname=bsd386
osvers=`$uname -r`
;;
cygwin*) osname=cygwin
osvers="$3"
;;
*dc.osx) osname=dcosx
osvers="$3"
;;
dnix) osname=dnix
osvers="$3"
;;
domainos) osname=apollo
osvers="$3"
;;
dgux)
osname=dgux
osvers="$3"
;;
?X: uname -a returns
?X: DYNIX/ptx xxx 4.0 V4.1.2 i386
dynixptx*) osname=dynixptx
osvers=`echo "$4"|sed 's/^v//`
;;
freebsd) osname=freebsd
osvers="$3" ;;
genix) osname=genix ;;
?X: HP-UX uname -a gives something like
?X: HP-UX foobar B.10.20 A 9000/735 2016483812 two-user license
?X: Preserve the full 10.20 string instead of the previous plain '10'.
?X: Thanks to Graham Barr. --AD 6/30/1998
hp*) osname=hpux
osvers=`echo "$3" | $sed 's,.*\.[0-9]*\.[0-9]*,1,`
;;
irix*) osname=irix
case "$3" in
4*) osvers=4 ;;
5*) osvers=5 ;;
*) osvers="$3" ;;
esac
;;
linux) osname=linux
case "$3" in
*) osvers="$3" ;;
esac

```

```

;;
MiNT) osname=mint
;;
netbsd*) osname=netbsd
osvers="$3"
;;
news-os) osvers="$3"
case "$3" in
4*) osname=newsos4 ;;
*) osname=newsos ;;
esac
;;
next*) osname=next ;;
nonstop-ux) osname=nonstopux ;;
openbsd) osname=openbsd
osvers="$3"
;;
POSIX-BC | posix-bc
) osname=posix-bc
osvers="$3"
;;
powerux | power_ux | powermax_os | powermaxos | \
powerunix | power_unix) osname=powerux
osvers="$3"
;;
qnx) osname=qnx
osvers="$4"
;;
solaris) osname=solaris
case "$3" in
5*) osvers=`echo $3 | $sed 's/^5/2/g'` ;;
*) osvers="$3" ;;
esac
;;
sunos) osname=sunos
case "$3" in
5*) osname=solaris
osvers=`echo $3 | $sed 's/^5/2/g'` ;;
*) osvers="$3" ;;
esac
;;
titanos) osname=titanos
case "$3" in
1*) osvers=1 ;;
2*) osvers=2 ;;
3*) osvers=3 ;;
4*) osvers=4 ;;
*) osvers="$3" ;;

```

```

esac
;;
ultrix) osname=ultrix
osvers="$3"
;;
osf1|m1s+) case "$5" in
alpha)
?X: DEC OSF/1 myuname -a output looks like: osf1 xxxx t3.2 123.4 alpha
?X: where the version number can be something like [xvt]n.n
osname=dec_osf
?X: sizer knows the minor minor version: the letter
osvers=`sizer -v | awk '{print $3}' | \
./tr '[A-Z]' '[a-z]' | sed 's/^[xvt]//'`
case "$osvers" in
[1-9].[0-9]*) ;;
*) osvers=`echo
"$3" | sed 's/^[xvt]//'` ;;
esac
;;
hp*) osname=hp_osf1 ;;
mips) osname=mips_osf1 ;;
?X: hp and mips were unsupported Technology Releases -- ADO, 24/10/94
esac
;;
unixware) osname=svr5
osvers="$4"
;;
uts) osname=uts
osvers="$3"
;;
vos) osvers="$3"
;;
$2) case "$osname" in
*isc*) ;;
*freebsd*) ;;
svr*)
: svr4.x or possibly later
case "svr$3" in
${osname}*)
osname=svr$3
osvers=$4
;;
esac
case "$osname" in
svr4.0)
: Check for ESIX
if $test -f /stand/boot ; then
eval `grep '^INITPROG=[a-z/0-9]*$' /stand/boot`

```

```

if $test -n "$INITPROG" -a -f "$INITPROG"; then
  isesix=`strings -a $INITPROG | \
  $grep 'ESIX SYSTEM V/386 Release 4.0`
  if $test -n "$isesix"; then
    osname=esix4
  fi
fi
fi
;;
esac
;;
*) if $test -f /etc/systemid; then
  osname=sco
  set `echo $3 | $sed 's/./ /g` $4
  if $test -f $src/hints/sco_$1_$2_$3.sh; then
    osvers=$1.$2.$3
  elif $test
-f $src/hints/sco_$1_$2.sh; then
    osvers=$1.$2
  elif $test -f $src/hints/sco_$1.sh; then
    osvers=$1
  fi
else
  case "$osname" in
  ") : Still unknown. Probably a generic Sys V.
    osname="sysv"
    osvers="$3"
    ;;
  esac
fi
;;
esac
;;
*) case "$osname" in
  ") : Still unknown. Probably a generic BSD.
    osname="$1"
    osvers="$3"
    ;;
  esac
;;
esac
else
?X: Try to identify sony's NEWS-OS (BSD unix)
if $test -f /vmunix -a -f $src/hints/news_os.sh; then
  (what /vmunix | UU/tr '[A-Z]' '[a-z]') > UU/kernel.what 2>&1
  if $contains news-os UU/kernel.what >/dev/null 2>&1; then
    osname=news_os
  fi

```

```

$rm -f UU/kernel.what
?X: Maybe it's OS/2 or DOS or something similar
elif $test -d c:/.; then
  set X $myuname
  osname=os2
  osvers="$5"
fi
fi

```

```

: Try to determine whether config.sh was made on this system
case "$config_sh" in

```

```

")
?X: indentation wrong on purpose--RAM
dflt=n
case "$knowitall" in
")
if test -f ../config.sh; then
  if $contains
myuname= ../config.sh >/dev/null 2>&1; then
  eval "`$grep myuname= ../config.sh`"
  fi
if test "X$myuname" = "X$newmyuname"; then
  dflt=y
  fi
fi
;;
*) dflt=y;;
esac

```

```

: Get old answers from config file if it was generated on the same system

```

```

hint=default
if $test -f ../config.sh; then
echo " "
rp="I see a config.sh file. Shall I use it to set the defaults?"
. ./myread
case "$ans" in
n*|N*) echo "OK, I'll ignore it."
mv ../config.sh ../config.sh.old
myuname="$newmyuname"
;;
*) echo "Fetching default answers from your old config.sh file..." >&4
tmp_n="$n"
tmp_c="$c"
tmp_sh="$sh"
. ../config.sh
cp ../config.sh .
n="$tmp_n"
c="$tmp_c"

```

```

    hint=previous
    ;;
esac
fi
?X: remember, case indentation is wrong--RAM
;;
*)
echo " "
echo "Fetching default answers from $config_sh..." >&4
tmp_n="$n"
tmp_c="$c"
tmp_sh="$sh"
cd ..
?X: preserve symbolic links, if any
cp $config_sh config.sh 2>/dev/null
chmod +w config.sh
. ./config.sh
cd UU
cp ../config.sh
.
n="$tmp_n"
c="$tmp_c"
hint=previous
;;
esac
?X: Older versions did not always set $sh.
case "$sh" in
") sh="$tmp_sh" ;;
esac
$test "$override" && . ./optdef.sh

: Restore computed paths
for file in $loclist $strylist; do
    eval $file="\$_$file"
done

. ./checkcc
?X: Cross-compiling support
case "$targetarch" in
") ;;
*) hostarch=$osname
    osname=`echo $targetarch|sed 's,^[^-]*-,`
    osvers=""
    ;;
esac

@if { test -d ../hints }
: Offer them some hints based on their OS

```

cd ..

?X: Since we are now at the root of the source tree, we must use \$src

?X: to access the sources and not \$src. See src.U for details...

if \$test ! -f config.sh; then

\$cat <<EOM

First time through, eh? I have some defaults handy for some systems that need some extra help getting the Configure answers right:

EOM

```
(cd $src/hints; ls -C *.sh) | $sed 's/\./ /g' >&4
dflt=""
```

: Now look for a hint file osname\_osvers, unless one has been specified already.

case "\$hintfile" in

"|' )

file=`echo "\${osname}\_\${osvers}"

| \$sed -e 's%\.\%\_g' -e 's%\_\$\$%%`

: Also try without trailing minor version numbers.

xfile=`echo \$file | \$sed -e 's%[\_]\*\$%%`

xxfile=`echo \$xfile | \$sed -e 's%[\_]\*\$%%`

xxxfile=`echo \$xxfile | \$sed -e 's%[\_]\*\$%%`

xxxxfile=`echo \$xxxfile | \$sed -e 's%[\_]\*\$%%`

case "\$file" in

") dflt=none ;;

\*) case "\$osvers" in

") dflt=\$file

;;

\*) if \$test -f \$src/hints/\$file.sh ; then

dflt=\$file

elif \$test -f \$src/hints/\$xfile.sh ; then

dflt=\$xfile

elif \$test -f \$src/hints/\$xxfile.sh ; then

dflt=\$xxfile

elif \$test -f \$src/hints/\$xxxfile.sh ; then

dflt=\$xxxfile

elif \$test -f \$src/hints/\$xxxxfile.sh ; then

dflt=\$xxxxfile

elif \$test -f "\$src/hints/\${osname}.sh" ; then

dflt="\${osname}"

else

dflt=none

fi

;;

esac

;;

esac



```

if $test -f Policy.sh ; then
  case "$dflt" in
    *Policy*) ;;
    none) dflt="Policy" ;;
    *) dflt="Policy $dflt" ;;
  esac
fi
;;
*)
dflt=`echo
$hintfile | $sed 's/\.sh$/'^
;;
esac

```

```

if $test -f Policy.sh ; then
  $cat <<EOM

```

There's also a Policy hint file available, which should make the site-specific (policy) questions easier to answer.

EOM

```

fi

```

```

$cat <<EOM

```

You may give one or more space-separated answers, or "none" if appropriate. A well-behaved OS will have no hints, so answering "none" or just "Policy" is a good thing. DO NOT give a wrong version or a wrong OS.

EOM

```

rp="Which of these apply, if any?"
. UU/myread
tans=$ans
for file in $tans; do
  if $test X$file = XPolicy -a -f Policy.sh; then
    . Policy.sh
    $cat Policy.sh >> UU/config.sh
  elif $test -f $src/hints/$file.sh; then
    . $src/hints/$file.sh
    $cat $src/hints/$file.sh >> UU/config.sh
  elif $test X"$tans" = X -o X"$tans" = Xnone ; then
    : nothing
  else
    : Give one chance to correct a possible typo.
    echo "$file.sh does not exist"
    dflt=$file
    rp="hint to use instead?"
  fi
done

```

```

. UU/myread
for file in $ans; do
  if $test -f "$src/hints/$file.sh";
then
  . $src/hints/$file.sh
  $cat $src/hints/$file.sh >> UU/config.sh
  elif $test X$ans = X -o X$ans = Xnone ; then
    : nothing
  else
    echo "$file.sh does not exist -- ignored."
  fi
done
fi
done

hint=recommended
: Remember our hint file for later.
if $test -f "$src/hints/$file.sh" ; then
  hintfile="$file"
else
  hintfile=""
fi
fi
cd UU
?X: From here on, we must use $src instead of $src

@end
: Process their -A options
./posthint.sh

```

```

@if osname || osvers
: Ask them to confirm the OS name
cat << EOM

```

Configure uses the operating system name and version to set some defaults. The default value is probably right if the name rings a bell. Otherwise, since spelling matters for me, either accept the default or answer "none" to leave it blank.

```

EOM
@end
@if osname
case "$osname" in
'| ')
  case "$hintfile" in
'| |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//' -e 's/_.*/$/'` ;;
esac

```

```

;;
*) dflt="$osname" ;;
esac
rp="Operating
system name?"
./myread
case "$ans" in
none) osname="" ;;
*) osname=`echo "$ans" | $sed -e 's/[ ][ ]*/_/g' | ./tr '[A-Z]' '[a-z]'`;
esac
@end
@if osvers
@if osname
echo " "
@end
case "$osvers" in
"| ")
case "$hintfile" in
"| |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//' -e 's/^[^_]*//'^
dflt=`echo $dflt | $sed -e 's/^\_/' -e 's/_/./g'^
case "$dflt" in
"| ") dflt=none ;;
esac
;;
esac
;;
*) dflt="$osvers" ;;
esac
rp="Operating system version?"
./myread
case "$ans" in
none) osvers="" ;;
*) osvers="$ans" ;;
esac

@end

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Oldconfig.U

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

?RCS: \$Id: d\_setgrps.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_setgrps.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setgrps: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setgrps:  
?S: This variable conditionally defines the HAS\_SETGROUPS symbol, which  
?S: indicates to the C program that the setgroups() routine is available  
?S: to set the list of process groups.  
?S:.  
?C:HAS\_SETGROUPS:  
?C: This symbol, if defined, indicates that the setgroups() routine is  
?C: available  
to set the list of process groups. If unavailable, multiple  
?C: groups are probably not supported.  
?C:.  
?H:#\$d\_setgrps HAS\_SETGROUPS /\*\*/  
?H:.  
?LINT:set d\_setgrps  
: see if setgroups exists  
set setgroups d\_setgrps  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setgrps.U

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

?RCS: \$Id: d\_seteuid.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_seteuid.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:

?MAKE:d\_setuid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setuid:  
?S: This variable conditionally defines the HAS\_SETEUID symbol, which  
?S: indicates to the C program that the seteuid() routine is available  
?S: to change the effective uid of the current program.  
?S:.  
?C:HAS\_SETEUID (SETEUID):  
?C: This symbol, if defined, indicates that the seteuid  
routine is available  
?C: to change the effective uid of the current program.  
?C:.  
?H:#\$d\_setuid HAS\_SETEUID /\*\*/  
?H:.  
?LINT:set d\_setuid  
: see if seteuid exists  
set seteuid d\_setuid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setuid.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Tye McQueen <tye@metronet.com>

?RCS:

?RCS: \$Log: d\_stdstdio.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:46:32 ram

?RCS: patch61: merged with perl5's unit

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:06:54 ram

?RCS: patch56: typo fix on ?C: line for FILE\_bufsiz

?RCS: patch56: fixed unbalanced parenthesis (ADO)

?RCS: patch56: check whether FILE\_cnt and FILE\_ptr can be assigned to (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1995/05/12 12:12:11 ram

?RCS: patch54: complete rewrite by Tye McQueen

to fit modern systems

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_stdstdio d\_stdiobase stdio\_ptr stdio\_cnt stdio\_base \  
stdio\_bufsiz d\_stdio\_cnt\_lval d\_stdio\_ptr\_lval stdio\_filbuf: cat \  
+cc +ccflags contains +ldflags +libs rm\_try \  
Setvar Findhdr Oldconfig

?MAKE: -pick add \$@ %<

?S:d\_stdstdio:

?S: This variable conditionally defines USE\_STDIO\_PTR if this system

?S: has a FILE structure declaring usable \_ptr and \_cnt fields (or

?S: equivalent) in stdio.h.

?S:.

?S:stdio\_ptr:

?S: This variable defines how, given a FILE pointer, fp, to access the

?S: \_ptr field (or equivalent) of stdio.h's FILE structure. This will

?S: be used to define the macro FILE\_ptr(fp).

?S:.

?S:d\_stdio\_ptr\_lval:

?S: This variable conditionally defines STDIO\_PTR\_LVALUE if the

?S: FILE\_ptr macro can be used as an lvalue.

?S:.

?S:stdio\_cnt:

?S: This variable defines how, given a FILE pointer, fp, to access the

?S: \_cnt field (or equivalent) of

stdio.h's FILE structure. This will

?S: be used to define the macro FILE\_cnt(fp).

?S:.

?S:d\_stdio\_cnt\_lval:

?S: This variable conditionally defines STDIO\_CNT\_LVALUE if the

?S: FILE\_cnt macro can be used as an lvalue.

?S:.

?S:stdio\_filbuf:

?S: This variable defines how, given a FILE pointer, fp, to tell

?S: stdio to refill it's internal buffers (?). This will

?S: be used to define the macro FILE\_filbuf(fp).

?S:.

?S:d\_stdiobase:

?S: This variable conditionally defines USE\_STDIO\_BASE if this system

?S: has a FILE structure declaring a usable \_base field (or equivalent)

?S: in stdio.h.

?S:.

?S:stdio\_base:

?S: This variable defines how, given a FILE pointer, fp, to access the

?S: \_base field (or equivalent) of stdio.h's FILE structure. This will

?S: be used to define the macro FILE\_base(fp).

?S:.

?S:stdio\_bufsiz:

?S: This variable defines how, given a FILE pointer, fp, to determine

?S: the number of bytes store in the I/O buffer pointer to by the

?S: \_base field (or equivalent) of stdio.h's

FILE structure. This will

?S: be used to define the macro FILE\_bufsiz(fp).

?S:.

?C:USE\_STDIO\_PTR ~ d\_stdstdio (USE\_STD\_STDIO STDSTDIO):

?C: This symbol is defined if the \_ptr and \_cnt fields (or similar)

?C: of the stdio FILE structure can be used to access the stdio buffer

?C: for a file handle. If this is defined, then the FILE\_ptr(fp)

?C: and FILE\_cnt(fp) macros will also be defined and should be used

?C: to access these fields.

?C:.

?C:FILE\_ptr:

?C: This macro is used to access the \_ptr field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_PTR\_LVALUE:

?C: This symbol is defined if the FILE\_ptr macro can be used as an

?C: lvalue.

?C:.

?C:FILE\_cnt:

?C: This macro is used to access the \_cnt field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_CNT\_LVALUE:

?C: This symbol is defined

if the FILE\_cnt macro can be used as an

?C: lvalue.

?C:.

?C:FILE\_filbuf:

?C: This macro is used to access the internal stdio \_filbuf function

?C: (or equivalent), if STDIO\_CNT\_LVALUE and STDIO\_PTR\_LVALUE

?C: are defined. It is typically either \_filbuf or \_\_filbuf.

?C: This macro will only be defined if both STDIO\_CNT\_LVALUE and

?C: STDIO\_PTR\_LVALUE are defined.

?C:.

?H:?d\_stdstdio:#\$d\_stdstdio USE\_STDIO\_PTR /\*\*/

?H:?d\_stdstdio:#ifdef USE\_STDIO\_PTR

?H:#define FILE\_ptr(fp) \$stdio\_ptr

?H:#\$d\_stdstdio\_ptr\_lval STDIO\_PTR\_LVALUE /\*\*/

?H:#define FILE\_cnt(fp) \$stdio\_cnt

?H:#\$d\_stdstdio\_cnt\_lval STDIO\_CNT\_LVALUE /\*\*/

?H:?d\_stdstdio:#if defined(STDIO\_PTR\_LVALUE) && defined(STDIO\_CNT\_LVALUE)

```

?H:#define FILE_filbuf(fp) $stdio_filbuf /**/
?H:?d_stdstdio:#endif
?H:?d_stdstdio:#endif
?H:.
?W:d_stdstdio:FILE_ptr FILE_cnt FILE_filbuf
?C:USE_STDIO_BASE ~ d_stdibase:
?C: This symbol is defined if the _base field (or similar) of the
?C: stdio FILE structure can be used to access the stdio buffer
for
?C: a file handle. If this is defined, then the FILE_base(fp) macro
?C: will also be defined and should be used to access this field.
?C: Also, the FILE_bufsiz(fp) macro will be defined and should be used
?C: to determine the number of bytes in the buffer. USE_STDIO_BASE
?C: will never be defined unless USE_STDIO_PTR is.
?C:.
?C:FILE_base:
?C: This macro is used to access the _base field (or equivalent) of the
?C: FILE structure pointed to by its argument. This macro will always be
?C: defined if USE_STDIO_BASE is defined.
?C:.
?C:FILE_bufsiz:
?C: This macro is used to determine the number of bytes in the I/O
?C: buffer pointed to by _base field (or equivalent) of the FILE
?C: structure pointed to its argument. This macro will always be defined
?C: if USE_STDIO_BASE is defined.
?C:.
?H:?d_stdibase:#$d_stdibase USE_STDIO_BASE /**/
?H:?d_stdibase:#ifdef USE_STDIO_BASE
?H:#define FILE_base(fp) $stdio_base
?H:#define FILE_bufsiz(fp) $stdio_bufsiz
?H:?d_stdibase:#endif
?H:.
?W:d_stdibase:FILE_base
FILE_bufsiz
?LINT:set d_stdstdio d_stdibase
?T:ptr_lval cnt_lval filbuf xxx
?F:!try
: see if _ptr and _cnt from stdio act std
echo " "
if $contains '_IO_fpos_t' `./findhdr stdio.h` >/dev/null 2>&1 ; then
echo "(Looks like you have stdio.h from Linux.)"
case "$stdio_ptr" in
") stdio_ptr='((fp)->_IO_read_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;
esac
case "$stdio_cnt" in

```



```

") stdio_cnt='((fp)->_IO_read_end - (fp)->_IO_read_ptr)'
cnt_lval=$undef
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_IO_read_base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_IO_read_end - (fp)->_IO_read_base)';;
esac
else
case "$stdio_ptr" in
") stdio_ptr='((fp)->_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt" in
") stdio_cnt='((fp)->_cnt)'
cnt_lval=$define
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_base)';;
esac
case
"$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_cnt + (fp)->_ptr - (fp)->_base)';;
esac
fi
: test whether _ptr and _cnt really work
echo "Checking how std your stdio is..." >&4
$cat >try.c <<EOP
#include <stdio.h>
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
int main() {
FILE *fp = fopen("try.c", "r");
char c = getc(fp);
if (
18 <= FILE_cnt(fp) &&
strncmp(FILE_ptr(fp), "include <stdio.h>\n", 18) == 0
)
exit(0);
exit(1);
}

```

```

EOP
val="$undef"
if $cc $ccflags $ldflags -o try try.c $libs >/dev/null 2>&1; then
if ./try; then
echo "Your stdio acts pretty std."
val="$define"
else
echo "Your stdio isn't very std."
fi
else
echo "Your stdio doesn't appear very std."
fi
$rm_try
set d_stdstdio
eval $setvar

@if STUDIO_PTR_LVALUE || d_stdio_ptr_lval
: Can _ptr be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$ptr_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_ptr_lval
eval
$setvar

@end

@if STUDIO_CNT_LVALUE || d_stdio_cnt_lval
: Can _cnt be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$cnt_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_cnt_lval
eval $setvar

@end

@if FILE_filbuf
: How to access the stdio _filbuf or __filbuf function.
: If this fails, check how the getc macro in stdio.h works.
case "${d_stdio_ptr_lval}${d_stdio_cnt_lval}" in
${define}${define})
: Try hint value, if any, then _filbuf, __filbuf, _fill, then punt.
: _fill is for OS/2.
xxx='notok'
for filbuf in $stdio_filbuf '_filbuf(fp)' '__filbuf(fp)' '_fill(fp)'; do

```

```

$cat >try.c <<EOP
#include <stdio.h>
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
#define FILE_filbuf(fp) $filbuf
int main() {
FILE *fp = fopen("try.c", "r");
int c;
c = getc(fp);
c = FILE_filbuf(fp); /* Just looking for linker errors.*/
exit(0);
}
EOP
if $cc $ccflags $ldflags -o try try.c $libs >/dev/null 2>&1 &&
./try; then
echo "Your stdio appears to use $filbuf"
stdio_filbuf="$filbuf"
xxx='ok'
break
else
echo "Hmm. $filbuf doesn't seem to work."
fi
$rm_try
done
case "$xxx" in
notok) echo "I can't figure out how to access _filbuf"
echo "I'll just have to work around it."
d_stdio_ptr_lval="$undef"
d_stdio_cnt_lval="$undef"
;;
esac
;;
esac
@end
@if d_stdibase || USE_STDIO_BASE || FILE_base || FILE_bufsiz
: see if _base is also standard
val="$undef"
case "$d_stdstdio" in
$define)
$cat >try.c <<EOP
#include <stdio.h>
#define FILE_base(fp) $stdio_base
#define FILE_bufsiz(fp) $stdio_bufsiz
int main() {
FILE *fp = fopen("try.c", "r");
char c = getc(fp);
if (
19 <= FILE_bufsiz(fp) &&

```

```

    strcmp(FILE_base(fp), "#include <stdio.h>\n", 19) == 0
)
    exit(0);
    exit(1);
}
EOP
if $cc $cflags $ldflags -o try try.c $libs > /dev/null 2>&1; then
    if ./try; then
        echo "And its _base field acts std."
        val="$define"
    else
        echo "But its _base field isn't std."
    fi
else
    echo
    "However, it seems to be lacking the _base field."
fi
$rm_try
;;
esac
set d_stdibase
eval $setvar

@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_stdstdio.U
```

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

```

?RCS: $Id: Cppsym.U,v 3.0.1.5 1995/05/12 11:59:11 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Cppsym.U,v $
?RCS: Revision 3.0.1.5 1995/05/12 11:59:11 ram
?RCS: patch54: split awk command onto two lines for older awk's (ADO)
?RCS:
?RCS: Revision 3.0.1.4 1995/01/11 14:55:57 ram
?RCS: patch45: new cc vs. cpp symbol checking suggested by JHI
?RCS: patch45: added more cpp symbols (JHI)
?RCS:

```

?RCS: Revision 3.0.1.3 1994/10/29 15:51:32 ram  
 ?RCS: patch36: added ?F: line for metalint file checking  
 ?RCS: patch36: new symbols ardent and titan (ADO)  
 ?RCS:  
 ?RCS:  
 Revision 3.0.1.2 1994/06/20 06:53:32 ram  
 ?RCS: patch30: extended cpp symbol lookup list (JHI)  
 ?RCS: patch30: renamed attrlist symbol into al for brevity  
 ?RCS:  
 ?RCS: Revision 3.0.1.1 1993/12/15 08:14:14 ram  
 ?RCS: patch15: added new cpp symbols \_\_bsdi\_\_ and BSD\_NET2  
 ?RCS:  
 ?RCS: Revision 3.0 1993/08/18 12:04:50 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?X: This unit produces a shell script called Cppsym, which can be used to  
 ?X: determine whether any in a list of symbols is defined by the C compilation  
 ?X: chain (C preprocessor symbols plus C compiler native ones).  
 ?X: It can determine the status of any symbol, though the symbols in \$al  
 ?X: are more easily determined. If you want to add to \$al you can do  
 ?X: it in Myinit.U.  
 ?MAKE:Cppsym ccsymbols cppsymbols cppccsymbols: run \  
 eunicefix Guess awk cat tr sed sort rm rm\_try startsh osname \  
 +cc +gccversion test comm uniq echo Options trnl \  
 optimize cflags ldflags libs cpp\_stuff cpp  
 ?MAKE: -pick add \$@ %<  
 ?T:also  
 symbols i postprocess\_cc\_v tHdrH  
 ?X:  
 ?X: The symbol list is in alpha order for ease of maintenance...  
 ?X:  
 ?X: Lots of new symbols (mostly rummaged from gcc), courtesy of  
 ?X: Jarkko Hietaniemi <jhi@snakemail.hut.fi> -- RAM, 06/06/94  
 ?X:  
 ?S:ccsymbols:  
 ?S: The variable contains the symbols defined by the C compiler alone.  
 ?S: The symbols defined by cpp or by cc when it calls cpp are not in  
 ?S: this list, see cppsymbols and cppccsymbols.  
 ?S: The list is a space-separated list of symbol=value tokens.  
 ?S:.  
 ?S:cppsymbols:  
 ?S: The variable contains the symbols defined by the C preprocessor  
 ?S: alone. The symbols defined by cc or by cc when it calls cpp are  
 ?S: not in this list, see ccsymbols and cppccsymbols.  
 ?S: The list is a space-separated list of symbol=value tokens.  
 ?S:.  
 ?S:cppccsymbols:  
 ?S: The variable contains the symbols defined by the C compiler

?S: when it calls cpp. The symbols defined by the cc alone or cpp  
?S: alone are not in this list, see ccsymbols and cppsymbols.  
?S: The  
list is a space-separated list of symbol=value tokens.  
?S:.  
?F:./Cppsym  
?F:./Cppsym.know  
?F:!Cppsym.true  
?F!:ccsym.com  
?F!:ccsym.cpp  
?F!:ccsym.own  
?X: fake LINT hints  
?LINT:change ccflags  
?LINT:extern s  
?LINT:extern s\_\_  
: Preprocessor symbols  
echo " "  
\$echo "Guessing which symbols your C compiler and preprocessor define..." >&4  
?X: If your symbol is mixed case, just add it as-is.  
?X: All symbols will be transformed to both all-lower and all-upper.  
?X: Also drop any leading/trailing underscores, the scan will try all those.  
\$cat <<'EOSH' > Cppsym.know  
a29k aarch64 ABI64 aegis AES\_SOURCE AIX AIX32 AIX370 AIX41 AIX42  
AIX43 aixpc AIX\_SOURCE alliant ALL\_SOURCE alpha AM29000 am29000  
AMD64 amd64 amiga AMIGAOS AMIX ansi ANSI\_C\_SOURCE apollo arch\_ppc  
arch\_pwr ardent ARM ARM32 atarist att386 att3b  
BeOS BIG\_ENDIAN BIT\_MSF BSD bsd bsd43 bsd4\_2 BSD4\_3 bsd4\_3 bsd4\_4  
BSDCOMPAT bsdi BSD\_4\_3 BSD\_4\_4 BSD\_NET2 BSD\_TIME BSD\_TYPES bull  
byteorder byte\_order  
c cadmus clang clipper CMU COFF COMPILER\_VERSION  
concurrent  
convex cpu CRAY cray CRAYMPP ctix CX\_UX CYGWIN  
DECC DGUX DGUX\_SOURCE DJGPP dmert DOLPHIN DPX2 DSO Dynix DynixPTX  
ELF encore EPI EXTENSIONS  
FAVOR\_BSD FILE\_OFFSET\_BITS FORTIFY\_SOURCE FreeBSD  
GCC\_NEW\_VARARGS gcos gcx gimpel GLIBC GLIBC\_MINOR GNUC GNUC\_MINOR  
GNU\_LIBRARY GNU\_SOURCE GO32 gould GOULD\_PN  
H3050R H3050RX hbullx20 hex host\_mips hp200 hp300 HP700 hp700  
hp800 hp9000 hp9000s200 hp9000s300 hp9000s400  
hp9000s700 hp9000s800 hp9k8 hppa hpux HPUX\_SOURCE hp\_osf  
i186 i286 i386 i486 i586 i686 i8086 i80960 i860 I960 IA32 IA64  
iAPX286 ibm ibm032 ibmesa IBMR2 ibmrt ILP32 ILP64  
INLINE\_INTRINSICS INT64 INTEL interdata INTRINSICS is68k titanium  
ksr1  
LANGUAGE\_C LARGEFILE64\_SOURCE LARGEFILE\_SOURCE LARGE\_FILE\_API  
LFS64\_LARGEFILE LFS\_LARGEFILE LIBCATAMOUNT Linux LITTLE\_ENDIAN  
LONG64 LONGDOUBLE LONGLONG LONG\_DOUBLE LONG\_LONG LP64 luna  
luna88k Lynx

M68000 m68k m88100 m88k M88KBCS\_TARGET MACH machine MachTen  
MATH\_HAS\_NO\_SIDE\_EFFECTS mc300 mc500 mc68000 mc68010 mc68020  
mc68030 mc68040 mc68060  
mc68k mc68k32 mc700 mc88000 mc88100  
merlin mert MiNT mips MIPSEB MIPSEL MIPS\_FPSET MIPS\_ISA MIPS\_SIM  
MIPS\_SZINT MIPS\_SZLONG MIPS\_SZPTR MODERN\_C motorola mpeix MSDOS  
MTXINU MULTIMAX MVS mvs M\_AMD64 M\_ARM M\_ARMT M\_COFF M\_I186 M\_I286  
M\_I386 M\_I8086 M\_I86 M\_I86SM M\_IA64 M\_IX86 M\_PPC M\_SYS3 M\_SYS5  
M\_SYSIII M\_SYSV M\_UNIX M\_X86 M\_XENIX  
n16 ncl\_el ncl\_mr NetBSD news1500 news1700 news1800 news1900  
news3700 news700 news800 news900 NeXT NLS nonstopux ns16000  
ns32000 ns32016 ns32332 ns32k nsc32000  
OCS88 OEMVS OpenBSD os OS2 OS390 osf OSF1 OSF\_SOURCE  
PARAGON parisc pa\_risc PA\_RISC1\_1 PA\_RISC2\_0 pc532 pdp11 PGC PIC  
plexus PORTAR posix POSIX1B\_SOURCE POSIX2\_SOURCE POSIX4\_SOURCE  
POSIX\_C\_SOURCE POSIX\_SOURCE POWER powerpc ppc PROTOTYPES PWB pyr  
QK\_USER QNX  
R3000 REENTRANT RES Rhapsody RISC6000 riscix riscos RT  
S390 S390x SA110 SCO scs sequent sgi SGI\_SOURCE SH SH3 sinix  
SIZE\_INT SIZE\_LONG SIZE\_PTR SOCKETS\_SOURCE SOCKET\_SOURCE sony  
sonyrisc sony\_news sparc sparclite sparcv8 sparcv9 spectrum  
stardent  
stdc STDC\_EXT stratos sun sun3 sun386 Sun386i svr3 svr4  
SVR4\_2 SVR4\_SOURCE svr5 SX system SYSTYPE\_BSD SYSTYPE\_BSD43  
SYSTYPE\_BSD44 SYSTYPE\_SVR4 SYSTYPE\_SVR5 SYSTYPE\_SYSV SYSV SYSV3  
SYSV4 SYSV5 sysV68 sysV88  
Tek4132 Tek4300 thumb thw\_370 thw\_intel thw\_rs6000 titan TM3200  
TM5400 TM5600 tower tower32 tower32\_200 tower32\_600 tower32\_700  
tower32\_800 tower32\_850 tss  
u370 u3b u3b2 u3b20 u3b200 u3b20d u3b5 ultrix UMAXV UnicomPBB  
UnicomPBD UNICOS UNICOSMK unix UNIX95 UNIX99 unixpc unos USE\_BSD  
USE\_FILE\_OFFSET64 USE\_GNU USE\_ISOC9X USE\_LARGEFILE  
USE\_LARGEFILE64 USE\_MISC USE\_POSIX USE\_POSIX199309  
USE\_POSIX199506 USE\_POSIX2 USE\_REENTRANT USE\_SVID USE\_UNIX98  
USE\_XOPEN USE\_XOPEN\_EXTENDED USGr4 USGr4\_2 UTek Utek UTS UWIN  
uxpm uxps  
vax venix VMESA vms  
x86\_64 xenix Xenix286 XOPEN\_SOURCE XOPEN\_SOURCE\_EXTENDED XPG2  
XPG2\_EXTENDED XPG3 XPG3\_EXTENDED XPG4 XPG4\_EXTENDED  
z8000 zarch  
EOSH  
# Maybe put other stuff here too.  
?X:Some OS's will have a dash in their \$osname  
?X:e.g. Android is known as linux-android  
?X:The  
preprocessor will interpret the dash as a minus  
./tr '-' '\_' <<EOSH >>Cpps.sym.know  
\$osname

```

EOSH
./tr '[a-z]' '[A-Z]' < Cppsym.know > Cppsym.a
./tr '[A-Z]' '[a-z]' < Cppsym.know > Cppsym.b
$cat Cppsym.know > Cppsym.c
$cat Cppsym.a Cppsym.b Cppsym.c | $tr ' ' $trnl | $sort | $uniq > Cppsym.know
$rm -f Cppsym.a Cppsym.b Cppsym.c
cat <<EOSH > Cppsym
$startsh
if $test \ $# -gt 0; then
    echo \ $* | $tr " " "$trnl" | ./Cppsym.try > Cppsym.got
    if $test -s Cppsym.got; then
        $rm -f Cppsym.got
    exit 0
    fi
    $rm -f Cppsym.got
    exit 1
else
    $tr " " "$trnl" | ./Cppsym.try
    exit 0
fi
EOSH
chmod +x Cppsym
$seunicefix Cppsym
?X: The below awk script will die a horrible death if
?X: some of the tested symbols are not long ints.
?X: Also, we do not make difference between just defined and defined zero.
cat <<EOSH > Cppsym.try
$startsh
cat <<'EOCP' > try.c
#include <stdio.h>
#if cpp_stuff == 1
#define STRINGIFY(a)  "a"
#endif
#if cpp_stuff == 42
#define StGiFy(a) #a
#define STRINGIFY(a)
    StGiFy(a)
#endif
#if $cpp_stuff != 1 && $cpp_stuff != 42
# include "Bleth: How does this C preprocessor stringify macros?"
#endif
int main() {
EOCP
?X: The length($1) command guards against possible empty entries.
?X: The awk snippet is know to give heartburn to UNICOS/mk awk.
$awk \
EOSH
cat <<'EOSH' >> Cppsym.try

```



```

length($1) > 0 {
    printf "#ifdef %s\nprintf(\"%s=%s\n\", STRINGIFY(%s));\n#endif\n", $1, $1, $1
    printf "#ifdef _%s\nprintf(\"_%s=%s\n\", STRINGIFY(_%s));\n#endif\n", $1, $1, $1
    printf "#ifdef __%s\nprintf(\"__%s=%s\n\", STRINGIFY(__%s));\n#endif\n", $1, $1, $1
    printf "#ifdef ___%s_\nprintf(\"___%s__=%s\n\", STRINGIFY(___%s__));\n#endif\n", $1, $1, $1
}' >> try.c
echo 'return 0;}' >> try.c
EOSH
cat <<EOSH >> Cppsym.try
ccflags="$ccflags"
case "$osname-$gccversion" in
    irix-) ccflags="\$ccflags -woff 1178" ;;
    os2-*) ccflags="\$ccflags -Zlinker /PM:VIO" ;;
esac
$cc -o try -Dcpp_stuff=$cpp_stuff $optimize \$ccflags $ldflags try.c $libs 2>/dev/null
&& $run ./try | $sed 's/ /\ \ /g'
EOSH
chmod +x Cppsym.try
$unicefix Cppsym.try
./Cppsym < Cppsym.know | $sort | $uniq > Cppsym.true
: Add in any Linux cpp "predefined macros":
case "$osname::$gccversion" in
    *linux*:*:*|*gnukfreebsd*:*:*|gnu:*:* )
        tHdrH=_tmpHdr
        rm -f $tHdrH.h' $tHdrH
        touch $tHdrH.h'
        # Filter out macro arguments, such as Linux's __INT8_C(c)
        if $cpp -dM $tHdrH.h' > $tHdrH_cppsym.h' && [ -s $tHdrH_cppsym.h' ]; then
            sed -e 's/#define[\ \ ]*//;s/[\ \ ].*$/ -e 's/(.*)' <$tHdrH_cppsym.h' >$tHdrH_cppsym.real'
            if [ -s $tHdrH_cppsym.real' ]; then
                cat $tHdrH_cppsym.real' Cppsym.know | sort | uniq | ./Cppsym | sort | uniq > Cppsym.true
            fi
        fi
        rm -f $tHdrH.h' $tHdrH_cppsym.h' $tHdrH_cppsym.real'
    ;;
esac
: now check the C compiler for additional symbols
?X: suggested by Jarkko Hietaniemi <jhi@snakemail.hut.fi>, thanks!
postprocess_cc_v="
case "$osname" in
    aix) postprocess_cc_v="|$tr , ' "' ;;
esac
$cat
>ccsym <<EOS
$startsh
$cat >tmp.c <<EOF
extern int foo;
EOF

```

```

for i in `\$cc -v -c tmp.c 2>&1 \$postprocess_cc_v`\
do
case "\$i" in
-D*) echo "\$i" | \$sed 's/^D//';;
-A*) \$test "\$gccversion" && echo "\$i" | \$sed 's/^A//' | \$sed 's/^(.*)/(.*)/\1=2/';;
esac
done
\$rm_try
EOS
postprocess_cc_v="
chmod +x ccsym
\$unicefix ccsym
./ccsym > ccsym1.raw
?X: AIX complains if \$uniq is passed an empty file. (\$sort apparently
?X: doesn't care.) --AD 14 July 1998
if \$test -s ccsym1.raw; then
    \$sort ccsym1.raw | \$uniq >ccsym.raw
else
    mv ccsym1.raw ccsym.raw
fi

?X: canonicalize symbols for easier sort/uniq/comm usage: append =1 if no = sign
?X: the awk script must be on two lines for older awk programs, sigh! -- ADO
\$awk '/^=/ { print $0; next }
{ print $0"=1" }' ccsym.raw >ccsym.list
\$comm -13 Cppsym.true ccsym.list >ccsym.own
\$comm -12 Cppsym.true ccsym.list >ccsym.com
\$comm -23 Cppsym.true ccsym.list >ccsym.cpp
also="
if \$test -z ccsym.raw; then
echo "Your C compiler doesn't
seem to define any symbols!" >&4
echo " "
echo "However, your C preprocessor defines the following symbols:"
\$cat Cppsym.true
ccsymbols="
cppsymbols=`\$cat Cppsym.true`
cppsymbols=`echo \$cppsymbols`
cppccsymbols="\$cppsymbols"
else
if \$test -s ccsym.com; then
echo "Your C compiler and pre-processor define these symbols:"
\$sed -e 's/^(.*)=.*\1/' ccsym.com
also='also '
symbols='ones'
cppccsymbols=`\$cat ccsym.com`
cppccsymbols=`echo \$cppccsymbols`
\$test "\$silent" || sleep 1

```

```

fi
if $test -s ccsym.cpp; then
  $test "$also" && echo " "
  echo "Your C pre-processor ${also} defines the following symbols:"
  $sed -e 's/(.*)=.*/\1/' ccsym.cpp
  also='further '
  cppsymbols=`$cat ccsym.cpp`
  cppsymbols=`echo $cppsymbols`
  $test "$silent" || sleep 1
fi
fi
if $test -s ccsym.own; then
  $test "$also" && echo " "
  echo "Your C compiler ${also} defines the following cpp symbols:"
  $sed -e 's/(.*)=1/\1/' ccsym.own
  $sed -e 's/(.*)=.*/\1/' ccsym.own | $uniq >>Cppsymb.true
  ccsymbols=`$cat
ccsym.own`
  ccsymbols=`echo $ccsymbols`
  $test "$silent" || sleep 1
fi
fi

: add -D_FORTIFY_SOURCE if feasible and not already there
case "$gccversion" in
[456789].*) case "$optimize$ccflags" in
*_O*) case "$ccflags$cppsymbols" in
*_FORTIFY_SOURCE=*) # Don't add it again.
  echo "You seem to have -D_FORTIFY_SOURCE already, not adding it." >&4
  ;;
*) echo "Adding -D_FORTIFY_SOURCE=2 to ccflags..." >&4
  ccflags="$ccflags -D_FORTIFY_SOURCE=2"
  ;;
esac
;;
*) echo "You have gcc 4.* or later but not optimizing, not adding -D_FORTIFY_SOURCE." >&4
  ;;
esac
;;
*) echo "You seem not to have gcc 4.* or later, not adding -D_FORTIFY_SOURCE." >&4
  ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Cppsymb.U

```

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

```

?RCS: $Id: d_dlerror.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_dlerror.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 13:52:49 ram
?RCS: patch56: force compile-link test since symbol might lie in crt0.o (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:11:23 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_dlerror: Inlibc runnm
?MAKE: -pick add $@ %<
?S:d_dlerror:
?S: This variable conditionally defines the HAS_DLERROR symbol, which
?S: indicates
to the C program that the dlerror() routine is available.
?S:
?C:HAS_DLERROR :
?C: This symbol, if defined, indicates that the dlerror routine is
?C: available to return a string describing the last error that
?C: occurred from a call to dlopen(), dlclose() or dlsym().
?C:
?H:#$d_dlerror HAS_DLERROR /**/
?H:
?T: xxx_runnm
?LINT:set d_dlerror
?X: We don't permanently change runnm, but we do temporarily.
?LINT: change runnm
: see if dlerror exists
?X: On NetBSD and FreeBSD, dlerror might be available, but it is in
?X: /usr/lib/crt0.o, not in any of the libraries. Therefore, do not
?X: use the nm extraction, but use a real compile and link test instead.
xxx_runnm="$runnm"
runnm=false
set dlerror d_dlerror
eval $inlibc
runnm="$xxx_runnm"

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```

5.30.0/dist/U/d\_dlerror.U

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

```
?RCS: $Id: d_scandir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_scandir.U,v $
?RCS: Revision 3.0.1.1 1994/01/24 14:06:35 ram
?RCS: patch16: created
?RCS:
?MAKE:d_scandir: Inlibc
?MAKE:-pick add $@ %<
?S:d_scandir:
?S: This variable conditionally defines HAS_SCANDIR if scandir() is
?S: available to scan a directory.
?S:.
?C:HAS_SCANDIR:
?C: This symbol, if defined, indicates that the scandir routine is
?C: available to scan a directory.
?C:.
?H:#$d_scandir HAS_SCANDIR /**/
?H:.
?LINT:set d_scandir
: see if
  scandir exists
set scandir d_scandir
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_scandir.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: cppstdin.U,v \$

?RCS: Revision 3.0.1.4 1994/10/29 16:08:34 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.3 1994/01/24 14:05:38 ram

?RCS: patch16: comment for CPPLAST was missing

?RCS:

?RCS: Revision 3.0.1.2 1993/12/15 08:18:58 ram

?RCS: patch15: new variables cprun and cpplast, guaranteed wrapper-free

?RCS: patch15: cppstdin now tries to use cc, even at the cost of a wrapper

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:00:53 ram

?RCS: patch6:

remove wrapper when not actually used

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:38 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:cppstdin cppminus cprun cpplast: contains test Myread Oldconfig Loc \  
 cpp +cc rm hint osname gccversion startsh eunicefix

?MAKE: -pick add \$@ %<

?S:cppstdin:

?S: This variable contains the command which will invoke the C  
 ?S: preprocessor on standard input and put the output to stdout.  
 ?S: It is primarily used by other Configure units that ask about  
 ?S: preprocessor symbols.

?S:.

?S:cppminus:

?S: This variable contains the second part of the string which will invoke  
 ?S: the C preprocessor on the standard input and produce to standard  
 ?S: output. This variable will have the value "-" if cppstdin needs  
 ?S: a minus to specify standard input, otherwise the value is "".

?S:.

?S:cprun:

?S: This variable contains the command which will invoke a C preprocessor  
 ?S: on standard input and put the output to stdout. It is guaranteed not  
 ?S: to be a wrapper  
 ?S: and may be a null string if no preprocessor can be  
 ?S: made directly available. This preprocessor might be different from the  
 ?S: one used by the C compiler. Don't forget to append cpplast after the  
 ?S: preprocessor options.

?S:.

?S:cpplast:

?S: This variable has the same functionality as cppminus, only it applies to  
 ?S: cprun and not cppstdin.

?S:.

?C:CPPSTDIN:

?C: This symbol contains the first part of the string which will invoke

?C: the C preprocessor on the standard input and produce to standard

?C: output. Typical value of "cc -E" or "/lib/cpp", but it can also

?C: call a wrapper. See CPPRUN.

?C:.

?C:CPPMINUS:

?C: This symbol contains the second part of the string which will invoke

?C: the C preprocessor on the standard input and produce to standard

?C: output. This symbol will have the value "-" if CPPSTDIN needs a minus

?C: to specify standard input, otherwise the value is "".

?C:.

?C:CPPRUN:

?C: This symbol contains the string which will invoke a C preprocessor on

?C: the

standard input and produce to standard output. It needs to end

?C: with CPPLAST, after all other preprocessor flags have been specified.

?C: The main difference with CPPSTDIN is that this program will never be a

?C: pointer to a shell wrapper, i.e. it will be empty if no preprocessor is

?C: available directly to the user. Note that it may well be different from

?C: the preprocessor used to compile the C program.

?C:.

?C:CPPLAST:

?C: This symbol is intended to be used along with CPPRUN in the same manner

?C: symbol CPPMINUS is used with CPPSTDIN. It contains either "-" or "".

?C:.

?H:#define CPPSTDIN "\$cppstdin"

?H:#define CPPMINUS "\$cppminus"

?H:#define CPPRUN "\$cpprun"

?H:#define CPPLAST "\$cpplast"

?H:.

?F:cppstdin !testcpp.out !testcpp.c

?T:wrapper x\_cpp x\_minus ok

: see how we invoke the C preprocessor

echo " "

echo "Now, how can we feed standard input to your C preprocessor..." >&4

cat <<'EOT' >testcpp.c

#define ABC abc

#define XYZ xyz

ABC.XYZ

EOT

cd ..

if \$test ! -f cppstdin;

then

echo "\$startsh" >cppstdin

if \$test "X\$osname" = "Xaix" -a "X\$gccversion" = X; then

?X: AIX cc -E doesn't show the absolute headerfile

?X: locations but we'll cheat by using the -M flag.

```

echo 'cat >.$$c; rm -f .$$.u; ""$cc"" ${1+"$@"} -M -c .$$.c 2>/dev/null; \
test -s .$$.u && \
awk """"$2 ~ /\.h$/ { print "# 0 \\""$2\"\\\" }"""" .$$.u; \
rm -f .$$.o .$$.u; ""$cc"" -E ${1+"$@"} .$$.c; rm .$$.c' >> cppstdin
else
echo 'cat >.$$c; ""$cc"" -E ${1+"$@"} .$$.c; rm .$$.c' >>cppstdin
fi; else
echo "Keeping your $hint cppstdin wrapper."
fi
chmod 755 cppstdin
$unicefix cppstdin
wrapper=`pwd`/cppstdin
ok='false'
cd UU

```

?X:

?X: We'll run the cpp tests again if we don't have any valid C preprocessor

?X: yet or don't know how to proceed without a wrapper (in which case cprun

?X: is empty and that's really annoying...)

?X:

```

if $test "X$cppstdin" != "X" && \
$cppstdin $cppminus <testcpp.c >testcpp.out 2>&1 && \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "You used to use
$cppstdin $cppminus so we'll use that again."
case "$cpprun" in
") echo "But let's see if we can live without a wrapper..." ;;
*)
if $cpprun $cpplast <testcpp.c >testcpp.out 2>&1 && \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
echo "(And we'll use $cpprun $cpplast to preprocess directly.)"
ok='true'
else
echo "(However, $cpprun $cpplast does not work, let's see...)"
fi
;;
esac
else
case "$cppstdin" in
") ;;
*)
echo "Good old $cppstdin $cppminus does not seem to be of any help..."
;;
esac
fi

```



```

if $ok; then
  : nothing
elif echo 'Maybe ""$cc" -E" will work...'; \
  $cc -E <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yup, it does."
  x_cpp="$cc -E"
  x_minus="";
elif echo 'Nope...maybe ""$cc" -E -" will work...'; \
  $cc -E - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yup, it does."
  x_cpp="$cc -E"
  x_minus='-';
elif echo 'Nope...maybe ""$cc"
-P" will work...'; \
  $cc -P <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yipee, that works!"
  x_cpp="$cc -P"
  x_minus="";
elif echo 'Nope...maybe ""$cc" -P -" will work...'; \
  $cc -P - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "At long last!"
  x_cpp="$cc -P"
  x_minus='-';
elif echo 'No such luck, maybe "$cpp" will work...'; \
  $cpp <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "It works!"
  x_cpp="$cpp"
  x_minus="";
elif echo 'Nixed again...maybe "$cpp" -" will work...'; \
  $cpp - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Hooray, it works! I was beginning to wonder."
  x_cpp="$cpp"
  x_minus='-';
elif echo 'Uh-uh. Time to get fancy. Trying a wrapper...'; \
  $wrapper <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  x_cpp="$wrapper"
  x_minus=""
  echo
  "Eureka!"
else
  dflt=""

```

```

rp="No dice. I can't find a C preprocessor. Name one:"
. ./myread
x_cpp="$ans"
x_minus=""
$x_cpp <testcpp.c >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "OK, that will do." >&4
else
echo "Sorry, I can't get that to work. Go find one and rerun Configure." >&4
  exit 1
fi
fi

case "$ok" in
false)
  cppstdin="$x_cpp"
  cppminus="$x_minus"
  cpprun="$x_cpp"
  cpplast="$x_minus"
  ?X:
  ?X: If /lib/cpp is used, try using a wrapper to increase our chances to have
  ?X: the C compiler and our $cppstdin agree on the same symbols... However,
  ?X: since cpprun is guaranteed not to be a wrapper, we must clear it if the
  ?X: only preprocessor we found was a wrapper, with all our luck...
  ?X:
  set X $x_cpp
  shift
  case "$1" in
"$cpp")
  echo "Perhaps can we force $cc -E using a wrapper..."
  if $wrapper <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
  then
  echo "Yup, we can."
  cppstdin="$wrapper"
  cppminus="";
  else
  echo
  "Nope, we'll have to live without it..."
  fi
  ;;
esac
case "$cpprun" in
"$wrapper")
  cpprun="
  cpplast="
  ;;
esac

```

```
;;
esac

case "$cppstdin" in
"$wrapper"|'cppstdin') ;;
*) $rm -f $wrapper;;
esac
$rm -f testcpp.c testcpp.out
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cppstdin.U
```

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

?RCS: \$Id: d\_sigsetjmp.U,v 3.0.1.1 1997/02/28 15:44:33 ram Exp \$

?RCS:

?RCS: Copyright (c) 1996,1998 Andy Dougherty

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_sigsetjmp.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:44:33 ram

?RCS: patch61: created

?RCS:

?MAKE:d\_sigsetjmp: Compile Setvar cat rm\_try run i\_stdlib

?MAKE: -pick add \$@ %<

?S:d\_sigsetjmp:

?S: This variable conditionally defines the HAS\_SIGSETJMP symbol,

?S: which

indicates that the sigsetjmp() routine is available to

?S: call setjmp() and optionally save the process's signal mask.

?S:.

?C:HAS\_SIGSETJMP:

?C: This variable indicates to the C program that the sigsetjmp()

?C: routine is available to save the calling process's registers

?C: and stack environment for later use by siglongjmp(), and

?C: to optionally save the process's signal mask. See

?C: Sigjmp\_buf, Sigsetjmp, and Siglongjmp.

?C:.

?C:Sigjmp\_buf:

?C: This is the buffer type to be used with Sigsetjmp and Siglongjmp.

?C:.

?C:Sigsetjmp:

?C: This macro is used in the same way as sigsetjmp(), but will invoke

?C: traditional setjmp() if sigsetjmp isn't available.

?C: See HAS\_SIGSETJMP.

?C:.

?C:Siglongjmp:

?C: This macro is used in the same way as siglongjmp(), but will invoke

?C: traditional longjmp() if siglongjmp isn't available.

?C: See HAS\_SIGSETJMP.

?C:.

```
?H:?%<:#$d_sigsetjmp HAS_SIGSETJMP /**/
```

```
?H:?%<:#ifdef HAS_SIGSETJMP
```

```
?H:?%<:#define Sigjmp_buf sigjmp_buf
```

```
?H:?%<:#define Sigsetjmp(buf,save_mask)
```

```
sigsetjmp((buf),(save_mask))
```

```
?H:?%<:#define Siglongjmp(buf,retval) siglongjmp((buf),(retval))
```

```
?H:?%<:#else
```

```
?H:?%<:#define Sigjmp_buf jmp_buf
```

```
?H:?%<:#define Sigsetjmp(buf,save_mask) setjmp((buf))
```

```
?H:?%<:#define Siglongjmp(buf,retval) longjmp((buf),(retval))
```

```
?H:?%<:#endif
```

?H:.

```
?W:?%<:Sigjmp_buf Sigsetjmp Siglongjmp
```

```
?F:!try
```

```
?LINT:set d_sigsetjmp
```

```
: see if sigsetjmp exists
```

```
?X: We can't check for these symbols with Inlibc because sigsetjmp
```

```
?X: is (sometimes? always?) a macro under GCC
```

```
echo " "
```

```
case "$d_sigsetjmp" in
```

```
)
```

```
$cat >try.c <<EOP
```

```
#include <setjmp.h>
```

```
#$i_stdlib I_STDLIB
```

```
#ifdef I_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
sigjmp_buf env;
```

```
int set = 1;
```

```
int main()
```

```
{
```

```
if (sigsetjmp(env,1))
```

```
exit(set);
```

```
set = 0;
```

```
siglongjmp(env, 1);
```

```
exit(1);
```

```

}
EOP
set try
if eval $compile; then
if $run ./try >/dev/null 2>&1; then
echo "POSIX sigsetjmp found." >&4
val="$define"
else
$cat >&4 <<EOM
Uh-Oh! You have POSIX sigsetjmp and siglongjmp, but they do not work properly!!
I'll
ignore them.
EOM
val="$undef"
fi
else
echo "sigsetjmp not found." >&4
val="$undef"
fi
;;
*) val="$d_sigsetjmp"
case "$d_sigsetjmp" in
$define) echo "POSIX sigsetjmp found." >&4;;
$undef) echo "sigsetjmp not found." >&4;;
esac
;;
esac
set d_sigsetjmp
eval $setvar
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_sigsetjmp.U
```

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

```
?RCS: $Id: Warn_v7ND.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7ND.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:01:46 ram
```

```

?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:18 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit warns V7 sites that they may not have a non-blocking read.
?X: This unit needs to be mentioned in End.U to get included.
?X:
?MAKE:Warn_v7ND: package Guess
?MAKE:-pick add $@ %<
: Warnings
if ./v7; then
cat
<<EOM

```

NOTE: many V7 systems do not have a way to do a non-blocking read. If you don't have any of FIONREAD, O\_NDELAY, or rdchk(), the \$package package may not work as well as it might. It might not work at all.

```

EOM
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Warn_v7ND.U

```

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

```

?RCS: $Id: d_ctermid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_ctermid.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:54 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_ctermid: Inlibc
?MAKE:-pick add $@ %<
?S:d_ctermid:
?S: This variable conditionally defines CTERMID if ctermid() is
?S: available to generate filename for terminal.
?S:.
?C:HAS_CTERMID (CTERMID):

```

?C: This symbol, if defined, indicates that the ctermid routine is

?C: available to generate filename for terminal.

?C:.

?H:#\$d\_ctermid

HAS\_CTERMID /\*\*/

?H:.

?LINT:set d\_ctermid

: see if ctermid exists

set ctermid d\_ctermid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ctermid.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getespwnam: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getespwnam:

?S: This variable conditionally defines HAS\_GETESPWNAM if getespwnam() is

?S: available to retrieve enhanced (shadow) password entries by name.

?S:.

?C:HAS\_GETESPWNAM:

?C: This symbol, if defined, indicates that the getespwnam system call is

?C: available to retrieve enhanced (shadow) password entries by name.

?C:.

?H:#\$d\_getespwnam HAS\_GETESPWNAM /\*\*/

?H:.

?LINT:set d\_getespwnam

: see if getespwnam exists

set getespwnam d\_getespwnam

eval \$inlibc

Found in

path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getespwnam.U

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

```
?RCS: $Id: d_getprotoprotos.U,v $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_getprotoprotos : Hasproto i_netdb
?MAKE: -pick add $@ %<
?S:d_getprotoprotos:
?S: This variable conditionally defines the HAS_GETPROTO_PROTOS symbol,
?S: which indicates to the C program that <netdb.h> supplies
?S: prototypes for the various getproto*() functions.
?S: See also netdbtype.U for probing for various netdb types.
?S:.
?C:HAS_GETPROTO_PROTOS:
?C: This symbol, if defined, indicates that <netdb.h> includes
?C: prototypes for getprotoent(), getprotobyname(), and
?C: getprotobyaddr().
    Otherwise, it is up to the program to guess
?C: them. See netdbtype.U for probing for various Netdb_xxx_t types.
?C:.
?H:#$d_getprotoprotos HAS_GETPROTO_PROTOS /**/
?H:.
?LINT:set d_getprotoprotos
: see if prototypes for various getprotoxxx netdb.h functions are available
echo " "
set d_getprotoprotos getprotoent $i_netdb netdb.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d_getprotoprotos.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2001, Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
```



?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_sigprocmask: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sigprocmask:  
?S: This variable conditionally defines HAS\_SIGPROCMAK  
?S: if sigprocmask() is available to examine or change the signal mask  
?S: of the calling process.  
?S:.  
?C:HAS\_SIGPROCMAK:  
?C: This symbol, if defined, indicates that the sigprocmask  
?C: system call is available to examine or change the signal mask  
?C: of the calling process.  
?C:.  
?H:#\$d\_sigprocmask HAS\_SIGPROCMAK /\*\*/  
?H:.  
?LINT:set d\_sigprocmask  
: see if sigprocmask exists  
set sigprocmask d\_sigprocmask  
eval  
\$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sigprocmask.U

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

?RCS: \$Id: d\_getnbyname.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Andy Dougherty  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_getnbyname: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getnbyname:  
?S: This variable conditionally defines the HAS\_GETNETBYNAME symbol, which  
?S: indicates to the C program that the getnetbyname() routine is available  
?S: to look up networks by their names.  
?S:.  
?C:HAS\_GETNETBYNAME:  
?C: This symbol, if defined, indicates that the getnetbyname() routine is  
?C: available to look up networks by their names.  
?C:.  
?H:#\$d\_getnbyname HAS\_GETNETBYNAME /\*\*/  
?H:.  
?LINT:set d\_getnbyname

```
: see if getnetbyname exists
set getnetbyname d_getnbyname
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_getnbynm.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_fs_data_s: Hasstruct i_sysparam i_sysmount i_systypes Setvar
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_fs_data_s:
```

```
?S: This variable conditionally defines the HAS_STRUCT_FS_DATA symbol,
```

```
?S: which indicates that the struct fs_data is supported.
```

```
?S:.
```

```
?C:HAS_STRUCT_FS_DATA:
```

```
?C: This symbol, if defined, indicates that the struct fs_data
```

```
?C: to do statfs() is supported.
```

```
?C:.
```

```
?H:#$d_fs_data_s HAS_STRUCT_FS_DATA /**/
```

```
?H:.
```

```
?LINT:set d_fs_data_s
```

```
: Check for fs_data_s
```

```
echo " "
```

```
echo "Checking to see if your system supports struct fs_data..." >&4
```

```
set d_fs_data_s fs_data $i_systypes sys/types.h $i_sysparam sys/param.h $i_sysmount sys/mount.h
```

```
eval $hasstruct
```

```
case "$d_fs_data_s" in
```

```
"$define") echo "Yes, it does." ;;
```

```
*)
```

```
    echo "No, it doesn't." ;;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fs_data_s.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_strtod\_l: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strtod\_l:  
?S: This variable conditionally defines the HAS\_STRTOD\_L symbol, which  
?S: indicates to the C program that the strtod\_l() routine is available.  
?S:.  
?C:HAS\_STRTOD\_L:  
?C: This symbol, if defined, indicates that the strtod\_l routine is  
?C: available to convert strings to long doubles.  
?C:.  
?H:#\$d\_strtod\_l HAS\_STRTOD\_L /\*\*/  
?H:.  
?LINT:set d\_strtod\_l  
: see if strtod\_l exists  
set strtod\_l d\_strtod\_l  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_strtod\_l.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_msg.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:37 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_msg: test d\_msgctl d\_msgget d\_msgsnd d\_msgrcv Setvar Findhdr osname  
?MAKE: -pick add \$@ %<  
?S:d\_msg:  
?S: This variable conditionally defines the HAS\_MSG symbol, which  
?S: indicates that the entire msg\*(2) library is present.  
?S:.  
?C:HAS\_MSG:  
?C: This symbol, if defined, indicates that the entire msg\*(2) library is

```

?C: supported (IPC mechanism based on message queues).
?C:.
?H:#$d_msg
HAS_MSG /**/
?H:.
?T:h_msg
?LINT:set d_msg
: see how much of the 'msg*(2)' library is present.
h_msg=true
echo " "
case "$d_msgctl$d_msgget$d_msgsnd$d_msgrcv" in
*"${undef}*" ) h_msg=false;;
esac
case "$osname" in
freebsd)
    case "`ipcs 2>&1`" in
        "SVID messages"*"not configured"*)
            echo "Your $osname does not have the msg*(2) configured." >&4
            h_msg=false
        val="${undef}"
        set msgctl d_msgctl
        eval $setvar
        set msgget d_msgget
        eval $setvar
        set msgsnd d_msgsnd
        eval $setvar
        set msgrcv d_msgrcv
        eval $setvar
    ;;
    esac
    ;;
esac
: we could also check for sys/ipc.h ...
if $h_msg && $test `./findhdr sys/msg.h`; then
    echo "You have the full msg*(2) library." >&4
    val="${define}"
else
    echo "You don't have the full msg*(2) library." >&4
    val="${undef}"
fi
set d_msg
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msg.U

```

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

?RCS: \$Id: i\_dbm.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_dbm.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:48:20 ram

?RCS: patch61: added I\_RPCSVCSVC\_DBM check

?RCS:

?RCS: Revision 3.0.1.1 1995/05/12 12:16:05 ram

?RCS: patch54: made more robust by checking both header and lib (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:15 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_dbm i\_rpcsvcsvcdbm: Inhdr Inlibc Setvar

?MAKE: -pick add \$@ %<

?S:i\_dbm (d\_odbm):

?S: This variable conditionally defines  
the I\_DBM symbol, which  
?S: indicates to the C program that <dbm.h> exists and should  
?S: be included.

?S:.

?S:i\_rpcsvcsvcdbm:

?S: This variable conditionally defines the I\_RPCSVCSVC\_DBM symbol, which  
?S: indicates to the C program that <rpcsvc/dbm.h> exists and should  
?S: be included. Some System V systems might need this instead of <dbm.h>.

?S:.

?C:I\_DBM (HAS\_ODBM ODBM):

?C: This symbol, if defined, indicates that <dbm.h> exists and should  
?C: be included.

?C:.

?C:I\_RPCSVCSVC\_DBM:

?C: This symbol, if defined, indicates that <rpcsvc/dbm.h> exists and  
?C: should be included.

?C:.

?H:#\$i\_dbm I\_DBM /\*\*/  
?H:#\$i\_rpcsvcsvcdbm I\_RPCSVCSVC\_DBM /\*\*/  
?H:.

?T:d\_dbmclose

?LINT:set i\_dbm i\_rpcsvcsvcdbm  
: see if dbm.h is available

?X: We might just have the header, not the library.

```

?X: We look for dbmclose() rather than dbmunit() because
?X: some versions of SCO Unix have -ldb, but are missing dbmclose(). -- ADO
?X: Some System V systems have <rpcsvc/dbm.h> instead of <dbm.h>.
: see if dbmclose exists
set dbmclose
d_dbmclose
eval $inlibc

case "$d_dbmclose" in
$define)
set dbm.h i_dbm
eval $inhdr
case "$i_dbm" in
$define)
val="$undef"
set i_rpcsvcdbm
eval $setvar
;;
*) set rpcsvc/dbm.h i_rpcsvcdbm
eval $inhdr
;;
esac
;;
*) echo "We won't be including <dbm.h>"
val="$undef"
set i_dbm
eval $setvar
val="$undef"
set i_rpcsvcdbm
eval $setvar
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_dbm.U

```

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

```

?RCS: $Id: d_memmove.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:

```

```

?RCS: $Log: d_memmove.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:35 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_memmove: Inlibc
?MAKE: -pick add $@ %<
?S:d_memmove:
?S: This variable conditionally defines the HAS_MEMMOVE symbol, which
?S: indicates to the C program that the memmove() routine is available
?S: to copy potentially overlapping blocks of memory.
?S:.
?C:HAS_MEMMOVE:
?C: This symbol, if defined, indicates that the memmove routine
is available
?C: to copy potentially overlapping blocks of memory. This should be used
?C: only when HAS_SAFE_BCOPY is not defined. If neither is there, roll your
?C: own version.
?C:.
?H:#$d_memmove HAS_MEMMOVE /**/
?H:.
?LINT:set d_memmove
: see if memmove exists
set memmove d_memmove
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_memmove.U

```

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

```

?RCS: $Id: d_sigvec.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sigvec.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:45:37 ram
?RCS: patch61: there is now a separate routine for sigaction()
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X: d_sigvec.U, from d_ftime.U 1.0

```

```

?X:
?MAKE:d_sigvec d_sigvectr d_sigintrp: Csym Inlibc Setvar
?MAKE: -pick add $@ %<
?S:d_sigvec:
?S: This variable conditionally defines the HAS_SIGVEC symbol, which indicates
?S: that BSD
    reliable signals are supported.
?S:
?S:d_sigvectr:
?S: This variable conditionally defines the HAS_SIGVECTOR symbol, which
?S: indicates that the sigvec() routine is called sigvector() instead, for
?S: reasons known only to Hewlett-Packard.
?S:
?S:d_sigintrp:
?S: This variable conditionally defines the HAS_SIGINTRP symbol, which
?S: indicates that the siginterrupt() routine is available.
?S:
?C:HAS_SIGVEC (SIGVEC):
?C: This symbol, if defined, indicates that BSD reliable signals are
?C: supported.
?C:
?C:HAS_SIGVECTOR (SIGVECTOR):
?C: This symbol, if defined, indicates that the sigvec() routine is called
?C: sigvector() instead, and that sigspace() is provided instead of
?C: sigstack(). This is probably only true for HP-UX.
?C:
?C:HAS_SIGINTRP (SIGINTRP):
?C: This symbol, if defined, indicates that the siginterrupt() routine
?C: is available.
?C:
?H:#$d_sigvec HAS_SIGVEC /**/
?H:#$d_sigvectr HAS_SIGVECTOR /**/
?H:#$d_sigintrp HAS_SIGINTRP /**/
?H:
?T:val
?LINT:set d_sigvec d_sigintrp
@if
    d_sigvectr || d_sigvec || HAS_SIGVEC || HAS_SIGVECTOR
: see if sigvector exists -- since sigvec will match the substring
echo " "
if set sigvector val -f d_sigvectr; eval $csym; $val; then
    echo 'sigvector() found--you must be running HP-UX.' >&4
    val="$define"; set d_sigvectr; eval $setvar
    val="$define"; set d_sigvec; eval $setvar
else
: try the original name
d_sigvectr="$undef"
if set sigvec val -f d_sigvec; eval $csym; $val; then

```



```
echo 'sigvec() found.' >&4
val="$define"; set d_sigvec; eval $setvar
else
echo 'sigvec() not found--race conditions with signals may occur.' >&4
val="$undef"; set d_sigvec; eval $setvar
fi
fi
```

```
@end
@if d_sigintpr || HAS_SIGINTRP
: see if we have siginterrupt
set siginterrupt d_sigintpr
eval $inlibc
```

```
@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_sigvec.U
```

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

```
?RCS: $Id: orderlib.U,v 3.0.1.4 1997/02/28 16:18:18 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: orderlib.U,v $
?RCS: Revision 3.0.1.4 1997/02/28 16:18:18 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS: patch61: likewise for .o replaced by $_o
?RCS: patch61: now uses the ar located by Loc.U
?RCS:
?RCS: Revision 3.0.1.3 1995/01/11 15:33:04 ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:26:48 ram
?RCS: patch36: now performs a real small compile for accurate
checks (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:31:17 ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:26 ram
```

```

?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs i_stdlib _a _o run
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive. Set to
?S: "false" if ranlib or ar can generate random libraries.
?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries. Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running
ar... Others like Ultrix
?X: need an explicit 'ar ts' to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail. (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<EOP
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc -o foobar $ccflags $ldflags foo$_o bar$_a $libs > /dev/null 2>&1 &&
$run ./foobar >/dev/null 2>&1; then
echo "$ar appears to generate random libraries itself."
orderlib=false
if [ "X$ranlib" = "X" ]; then
    ranlib=":"
fi
elif
$ar s bar$_a >/dev/null 2>&1 &&
$cc -o foobar $ccflags $ldflags foo$_o bar$_a $libs > /dev/null 2>&1 &&

```

```

$run ./foobar >/dev/null 2>&1; then
  echo "a table of contents needs to be added with '$ar s'."
  orderlib=false
  ranlib="$ar s"
elif $ar ts bar$_a >/dev/null 2>&1 &&
  $cc -o foobar $ccflags $ldflags foo$_o bar$_a $libs >/dev/null 2>&1 &&
  $run ./foobar >/dev/null 2>&1; then
    echo "a table of contents needs to be added with '$ar ts'."
    orderlib=false
    ranlib="$ar ts"
else
  ?X: Allow hints to specify their own ranlib "script". For instance, on
  ?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
  ?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
  ?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
  ?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
  case "$ranlib" in
  :) ranlib="";
  ")
  ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
  $test -f $ranlib || ranlib="
  ;;
  esac
  if $test -n "$ranlib";
  then
    echo "your system has '$ranlib'; we'll use that."
    orderlib=false
  else
    echo "your system doesn't seem to support random libraries"
    echo "so we'll use lorder and tsort to order the libraries."
    orderlib=true
    ranlib=":"
  fi
fi
$rm -f foo* bar*

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/orderlib.U
```

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

?RCS: \$Id: lseektype.U,v 3.0.1.1 1994/08/29 16:30:10 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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```

?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: lseektype.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:30:10 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:08 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lseektype lseeksize: Myread Typedef cat Compile rm_try longsize run
?MAKE: -pick add $@ %<
?S:lseektype:
?S: This variable defines lseektype to be something like off_t, long,
?S: or whatever type is used to declare
?S: lseek offset's type in the
?S: kernel (which also appears to be lseek's return type).
?S:.
?S:lseeksize:
?S: This variable defines lseektype to be something like off_t, long,
?S: or whatever type is used to declare lseek offset's type in the
?S: kernel (which also appears to be lseek's return type).
?S:.
?C:Off_t (LSEEKTYPE):
?C: This symbol holds the type used to declare offsets in the kernel.
?C: It can be int, long, off_t, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?C:LSEEKSIZE:
?C: This symbol holds the number of bytes used by the Off_t.
?C:.
?C:Off_t_size:
?C: This symbol holds the number of bytes used by the Off_t.
?C:.
?H:#define Off_t $lseektype /* <offset> type */
?H:#define LSEEKSIZE $lseeksize /* <offset> size */
?H:#define Off_t_size $lseeksize /* <offset> size */
?H:.
?F:!try
?LINT:set lseektype
: see what type lseek is declared as in the kernel
rp="What is the type used for lseek's offset on this system?"
set off_t lseektype
long stdio.h sys/types.h
eval $typedef_ask

echo " "
echo "Checking to see how big your file offsets are..." >&4

```

```

$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
int main()
{
    printf("%d\n", (int)sizeof($lseektype));
    return(0);
}
EOCP
set try
if eval $compile_ok; then
    lseeksize=`$run ./try`
    echo "Your file offsets are $lseeksize bytes long."
else
    dflt=$longsize
    echo " "
    echo "(I can't seem to compile the test program. Guessing...)"
    rp="What is the size of your file offsets (in bytes)?"
    ./myread
    lseeksize="$ans"
fi
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/lseektype.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_htonl.U,v \$

?RCS: Revision 3.0.1.2 1994/08/29 16:09:25 ram

?RCS: patch32: now properly handles htonl() and friends when macros (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:45:00 ram

?RCS: patch23: now also check for htonl() macro (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:22 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```

?MAKE:d_htonl: Inlibc Setvar i_niin i_sysin cat rm contains \
  cppstdin cppflags cppminus
?MAKE: -pick add $@ %<
?S:d_htonl:
?S: This variable conditionally
  defines HAS_HTONL if htonl() and its
?S: friends are available to do network order byte swapping.
?S:.
?C:HAS_HTONL (HTONL):
?C: This symbol, if defined, indicates that the htonl() routine (and
?C: friends htons() ntohl() ntohs()) are available to do network
?C: order byte swapping.
?C:.
?C:HAS_HTONS (HTONS):
?C: This symbol, if defined, indicates that the htons() routine (and
?C: friends htonl() ntohl() ntohs()) are available to do network
?C: order byte swapping.
?C:.
?C:HAS_NTOHL (NTOHL):
?C: This symbol, if defined, indicates that the ntohl() routine (and
?C: friends htonl() htons() ntohs()) are available to do network
?C: order byte swapping.
?C:.
?C:HAS_NTOHS (NTOHS):
?C: This symbol, if defined, indicates that the ntohs() routine (and
?C: friends htonl() htons() ntohl()) are available to do network
?C: order byte swapping.
?C:.
?H:#$d_htonl HAS_HTONL /**/
?H:#$d_htonl HAS_HTONS /**/
?H:#$d_htonl HAS_NTOHL /**/
?H:#$d_htonl HAS_NTOHS /**/
?H:.
?F:!htonl.c
?LINT:set d_htonl
:
  see if htonl --and friends-- exists
  val="
  set htonl val
  eval $inlibc

: Maybe they are macros.
case "$val" in
$undef)
  $cat >htonl.c <<EOM
#include <stdio.h>
#include <sys/types.h>
#$i_niin I_NETINET_IN

```

```

#i_sysin I_SYS_IN
#ifdef I_NETINET_IN
#include <netinet/in.h>
#endif
#ifdef I_SYS_IN
#include <sys/in.h>
#endif
#ifdef htonl
printf("Defined as a macro.");
#endif
EOM
Scppstdin Scppflags Scppminus < htonl.c >htonl.E 2>/dev/null
if $contains 'Defined as a macro' htonl.E >/dev/null 2>&1; then
  val="$define"
  echo "But it seems to be defined as a macro." >&4
fi
$rm -f htonl.?
;;
esac
set d_htonl
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_htonl.U
```

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

?RCS: \$Id: d\_setlocale\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_setlocale\_r setlocale\_r\_proto: Inlibc Protochk Hasproto i\_systypes \

usethreads i\_locale extern\_C

?MAKE: -pick add \$@ %<

?S:d\_setlocale\_r:

?S: This variable conditionally defines the HAS\_SETLOCALE\_R symbol,

?S: which indicates to the C program that the setlocale\_r()

?S: routine is available.

?S:.

?S:setlocale\_r\_proto:

?S: This variable encodes the prototype of setlocale\_r.

?S: It is zero if d\_setlocale\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setlocale\_r

?S: is defined.

?S:  
?C:HAS\_SETLOCALE\_R:  
?C: This symbol, if defined, indicates that the setlocale\_r routine  
?C: is  
available to setlocale re-entrantly.  
?C:.  
?C:SETLOCALE\_R\_PROTO:  
?C: This symbol encodes the prototype of setlocale\_r.  
?C: It is zero if d\_setlocale\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setlocale\_r  
?C: is defined.  
?C:.  
?H:#\$d\_setlocale\_r HAS\_SETLOCALE\_R /\*\*/  
?H:#define SETLOCALE\_R\_PROTO \$setlocale\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_setlocale\_r\_proto  
: see if setlocale\_r exists  
set setlocale\_r d\_setlocale\_r  
eval \$inlibc  
case "\$d\_setlocale\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_locale locale.h"  
case "\$d\_setlocale\_r\_proto:\$usethreads" in  
":define") d\_setlocale\_r\_proto=define  
set d\_setlocale\_r\_proto setlocale\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_setlocale\_r\_proto" in  
define)  
case "\$setlocale\_r\_proto" in  
"|0) try='int setlocale\_r(int, const char\*, char\*, int);'  
./protechk "\$extern\_C \$try" \$hdrs && setlocale\_r\_proto=I\_ICBI ;;  
esac  
case "\$setlocale\_r\_proto" in  
"|0) d\_setlocale\_r=undef  
setlocale\_r\_proto=0  
echo  
"Disabling setlocale\_r, cannot determine prototype." >&4 ;;  
\* ) case "\$setlocale\_r\_proto" in  
REENTRANT\_PROTO\*) ;;  
\*) setlocale\_r\_proto="REENTRANT\_PROTO\_\$setlocale\_r\_proto" ;;  
esac  
echo "Prototype: \$try" ;;  
esac  
;;  
\*) case "\$usethreads" in  
define) echo "setlocale\_r has no prototype, not using it." >&4 ;;



```

esac
d_setlocale_r=undef
setlocale_r_proto=0
;;
esac
;;
*) setlocale_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setlocale_r.U
```

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

?RCS: \$Id: d\_getnetprotos.U,v \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getnetprotos : Hasproto i\_netdb

?MAKE: -pick add \$@ %<

?S:d\_getnetprotos:

?S: This variable conditionally defines the HAS\_GETNET\_PROTOS symbol,

?S: which indicates to the C program that <netdb.h> supplies

?S: prototypes for the various getnet\*() functions.

?S: See also netdbtype.U for probing for various netdb types.

?S:.

?C:HAS\_GETNET\_PROTOS:

?C: This symbol, if defined, indicates that <netdb.h> includes

?C: prototypes for getnetent(), getnetbyname(), and

?C: getnetbyaddr(). Otherwise,

it is up to the program to guess

?C: them. See netdbtype.U for probing for various Netdb\_xxx\_t types.

?C:.

?H:#\$d\_getnetprotos HAS\_GETNET\_PROTOS /\*\*/

?H:.

?LINT:set d\_getnetprotos

: see if prototypes for various getnetxxx netdb.h functions are available

echo " "

set d\_getnetprotos getnetent \$i\_netdb netdb.h

eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d\_getnetprotos.U

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

?RCS: \$Id: d\_setegid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setegid.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:07 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setegid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setegid:

?S: This variable conditionally defines the HAS\_SETEGID symbol, which

?S: indicates to the C program that the setegid() routine is available

?S: to change the effective gid of the current program.

?S:.

?C:HAS\_SETEGID (SETEGID):

?C: This symbol, if defined, indicates that the setegid routine is available

?C: to change the effective gid of the current program.

?C:.

?H:#\$d\_setegid HAS\_SETEGID /\*\*/

?H:.

?LINT:set d\_setegid

: see if setegid exists

set setegid d\_setegid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setegid.U

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

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Tye McQueen <tye@metronet.com> added safe setuid script checks.  
?RCS:  
?RCS: \$Log: d\_dosuid.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:33:03 ram  
?RCS: patch61: moved unit to TOP via a ?Y: layout directive  
?RCS: patch61: tell them /dev/fd is not about floppy disks  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:12:08 ram  
?RCS: patch36: added checks for secure setuid scripts (Tye McQueen)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:55 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_dosuid  
d\_suidsaf: cat contains ls rm test Myread Setvar \  
Oldconfig Guess package hint  
?MAKE: -pick add \$@ %<  
?S:d\_suidsaf:  
?S: This variable conditionally defines SETUID\_SCRIPTS\_ARE\_SECURE\_NOW  
?S: if setuid scripts can be secure. This test looks in /dev/fd/.  
?S:.  
?S:d\_dosuid:  
?S: This variable conditionally defines the symbol DOSUID, which  
?S: tells the C program that it should insert setuid emulation code  
?S: on hosts which have setuid #! scripts disabled.  
?S:.  
?C:SETUID\_SCRIPTS\_ARE\_SECURE\_NOW:  
?C: This symbol, if defined, indicates that the bug that prevents  
?C: setuid scripts from being secure is not present in this kernel.  
?C:.  
?C:DOSUID:  
?C: This symbol, if defined, indicates that the C program should  
?C: check the script that it is executing for setuid/setgid bits, and  
?C: attempt to emulate setuid/setgid on systems that have disabled  
?C: setuid #! scripts because the kernel can't do it securely.  
?C: It is up to the package designer to make sure that this emulation  
?C: is done securely.  
Among other things, it should do an fstat on  
?C: the script it just opened to make sure it really is a setuid/setgid  
?C: script, it should make sure the arguments passed correspond exactly  
?C: to the argument on the #! line, and it should not trust any  
?C: subprocesses to which it must pass the filename rather than the  
?C: file descriptor of the script to be executed.

```

?C:.
?H:#$d_suidsafes SETUID_SCRIPTS_ARE_SECURE_NOW /**/
?H:#$d_dosuid DOSUID /**/
?H:.
?Y:TOP
?F:!reflect
?LINT: set d_suidsafes
?LINT: set d_dosuid
: see if setuid scripts can be secure
$cat <<EOM

```

Some kernels have a bug that prevents setuid #! scripts from being secure. Some sites have disabled setuid #! scripts because of this.

First let's decide if your kernel supports secure setuid #! scripts. (If setuid #! scripts would be secure but have been disabled anyway, don't say that they are secure if asked.)

EOM

```

val="$undef"
if $test -d /dev/fd; then
echo "#!$ls" >reflect
chmod +x,u+s reflect
./reflect >flect
2>&1
if $contains "/dev/fd" flect >/dev/null; then
echo "Congratulations, your kernel has secure setuid scripts!" >&4
val="$define"
else
$cat <<EOM

```

If you are not sure if they are secure, I can check but I'll need a username and password different from the one you are using right now. If you don't have such a username or don't want me to test, simply enter 'none'.

EOM

```

rp='Other username to test security of setuid scripts with?'
dflt='none'
. ./myread
case "$ans" in
n|none)
case "$d_suidsafes" in
") echo "I'll assume setuid scripts are *not* secure." >&4
dflt=n;;
"$undef")
echo "Well, the $hint value is *not* secure." >&4
dflt=n;;

```

```

*) echo "Well, the $hint value *is* secure." >&4
dflt=y;;
esac
;;
*)
$rm -f reflect flect
echo "#!$ls" >reflect
chmod +x,u+s reflect
echo >flect
chmod a+w flect
echo "'su' will (probably) prompt you for '$ans's password.'"
su $ans -c './reflect >flect'
if $contains "/dev/fd" flect
>/dev/null; then
echo "Okay, it looks like setuid scripts are secure." >&4
dflt=y
else
echo "I don't think setuid scripts are secure." >&4
dflt=n
fi
;;
esac
rp='Does your kernel have *secure* setuid scripts?'
./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;
esac
fi
else
echo "I don't think setuid scripts are secure (no /dev/fd directory)." >&4
echo "(That's for file descriptors, not floppy disks.)"
val="$undef"
fi
set d_suidsafes
eval $setvars

$rm -f reflect flect

: now see if they want to do setuid emulation
echo " "
val="$undef"
case "$d_suidsafes" in
"$define")
val="$undef"
echo "No need to emulate SUID scripts since they are secure here." >& 4
;;
*)

```

\$cat <<EOM

Some systems have disabled setuid scripts, especially systems where setuid scripts cannot be secure. On systems where setuid scripts have been disabled, the setuid/setgid bits on scripts are currently useless. It is possible for \$package to detect those bits and emulate setuid/setgid in a secure fashion. This emulation will only work if setuid scripts have been disabled in your kernel.

EOM

```
case "$d_dosuid" in
"$define") dflt=y ;;
*) dflt=n ;;
esac
rp="Do you want to do setuid/setgid emulation?"
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;
esac
;;
esac
set d_dosuid
eval $setvar
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_dosuid.U

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

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_pwd.U,v \$

?RCS: Revision 3.0.1.2 1995/07/25 14:10:57 ram

?RCS: patch56: use setvar so hint file values can override our guesses (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:03:27 ram

?RCS: patch23: had forgotten cppminus in cppstdin test (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:25 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit checks whether there is a pwd system or not

?X:

?MAKE:i\_pwd d\_pwquota d\_pwage d\_pwchange d\_pwclass d\_pwexpire d\_pwcomment:  
 \  
 contains rm cppstdin cppflags cppminus Inhdr Findhdr Setvar

?MAKE: -pick add \$@ %<

?S:i\_pwd:

?S: This variable conditionally defines I\_PWD, which indicates  
 ?S: to the C program that it should include <pwd.h>.

?S:.

?S:d\_pwquota:

?S: This variable conditionally defines PWQUOTA, which indicates  
 ?S: that struct passwd contains pw\_quota.

?S:.

?S:d\_pwage:

?S: This variable conditionally defines PWAGE, which indicates  
 ?S: that struct passwd contains pw\_age.

?S:.

?S:d\_pwchange:

?S: This variable conditionally defines PWCHANGE, which indicates  
 ?S: that struct passwd contains pw\_change.

?S:.

?S:d\_pwclass:

?S: This variable conditionally defines PWCLASS, which indicates  
 ?S: that struct passwd contains pw\_class.

?S:.

?S:d\_pwexpire:

?S: This variable conditionally defines PWEXPIRE, which indicates  
 ?S: that struct passwd contains pw\_expire.

?S:.

?S:d\_pwcomment:

?S: This variable conditionally defines PWCOMMENT, which indicates  
 ?S: that struct passwd contains pw\_comment.

?S:.

?C:I\_PWD:

?C: This symbol,  
 if defined, indicates to the C program that it should  
 ?C: include <pwd.h>.

?C:.

?C:PWQUOTA:

?C: This symbol, if defined, indicates to the C program that struct passwd  
 ?C: contains pw\_quota.

?C:.

?C:PWAGE:

?C: This symbol, if defined, indicates to the C program that struct passwd

```

?C: contains pw_age.
?C:.
?C:PWCHANGE:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_change.
?C:.
?C:PWCLASS:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_class.
?C:.
?C:PWEXPIRE:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_expire.
?C:.
?C:PWCOMMENT:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_comment.
?C:.
?H:#$i_pwd I_PWD /**/
?H:#$d_pwquota PWQUOTA /**/
?H:#$d_pwage PWAGE /**/
?H:#$d_pwchange PWCHANGE /**/
?H:#$d_pwclass PWCLASS /**/
?H:#$d_pwexpire PWEXPIRE /**/
?H:#$d_pwcomment PWCOMMENT /**/
?H:.
?LINT: set i_pwd d_pwquota
      d_pwage d_pwchange d_pwclass d_pwexpire d_pwcomment
?T:xxx
: see if this is a pwd.h system
set pwd.h i_pwd
eval $inhdr

case "$i_pwd" in
$define)
xxx=`./findhdr pwd.h`
$cppstdin $cppflags $cppminus < $xxx >$$h

if $contains 'pw_quota' $$h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwquota
eval $setvar

if $contains 'pw_age' $$h >/dev/null 2>&1; then
val="$define"

```



```
else
  val="$undef"
fi
set d_pwage
eval $setvar

if $contains 'pw_change' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwchange
eval $setvar

if $contains 'pw_class' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwclass
eval $setvar

if $contains 'pw_expire' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwexpire
eval $setvar

if $contains 'pw_comment' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwcomment
eval $setvar

$rm -f $$h
;;
*)
val="$undef";
set
d_pwquota; eval $setvar
set d_pwage; eval $setvar
set d_pwchange; eval $setvar
set d_pwclass; eval $setvar
set d_pwexpire; eval $setvar
```

```
set d_pwcomment; eval $setvar
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_pwd.U
```

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

```
?RCS: $Id: d_mkstemp.U,v 3.0.1.1 1994/08/29 16:11:57 ram Exp $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_mkstemp.U,v $
?RCS:
?MAKE:d_mkstemp: Inlibc
?MAKE: -pick add $@ %<
?S:d_mkstemp:
?S: This variable conditionally defines the HAS_MKSTEMP symbol, which
?S: indicates to the C program that the mkstemp() routine is available
?S: to exclusively create and open a uniquely named temporary file.
?S:.
?C:HAS_MKSTEMP :
?C: This symbol, if defined, indicates that the mkstemp routine is
?C: available to exclusively create and open a uniquely named
?C: temporary file.
?C:.
?H:#$d_mkstemp HAS_MKSTEMP /**/
?H:.
?LINT:set d_mkstemp
: see if mkstemp exists
set mkstemp d_mkstemp
eval
$inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_mkstemp.U
```

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

```
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
```

?MAKE:d\_fdim: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fdim:  
?S: This variable conditionally defines the HAS\_FDIM symbol, which  
?S: indicates to the C program that the fdim() routine is available.  
?S:.  
?C:HAS\_FDIM:  
?C: This symbol, if defined, indicates that the fdim routine is  
?C: available to do the positive difference function.  
?C:.  
?H:#\$d\_fdim HAS\_FDIM /\*\*/  
?H:.  
?LINT:set d\_fdim  
: see if fdim exists  
set fdim d\_fdim  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fdim.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:sitehtml1dir sitehtml1direxp installsitehtml1dir: Getfile \  
Setprefixvar prefix siteprefix html1dir sed  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:sitehtml1dir="  
?S:sitehtml1dir:  
?S: This variable contains the name of the directory in which site-specific  
?S: html source pages are to be put. It is the responsibility of the  
?S: Makefile.SH to get the value of this into the proper command.  
?S: You must be prepared to do the ~name expansion yourself.  
?S: The standard distribution will put nothing in this directory.  
?S: After perl  
has been installed, users may install their own local  
?S: html pages in this directory with  
?S: MakeMaker Makefile.PL  
?S: or equivalent. See INSTALL for details.

```

?S:.
?D:sitehtml1direxp="
?S:sitehtml1direxp:
?S: This variable is the same as the sitehtml1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installsitehtml1dir="
?S:installsitehtml1dir:
?S: This variable is really the same as sitehtml1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml1dir
?LINT:set sitehtml1dir
?LINT:set sitehtml1direxp
: determine where add-on html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case "$sitehtml1dir" in
")
  dflt=`echo "$html1dir" | $sed "s#^$prefix#$$siteprefix#"` ;;
*)  dflt=$sitehtml1dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific html pages should be installed?'
./getfile
prefixvar=sitehtml1dir
./setprefixvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitehtml1dir.U
```

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

```
?RCS: $Id: d_getppid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_getppid.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:07:45 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_getppid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getppid:  
?S: This variable conditionally defines the HAS\_GETPPID symbol, which  
?S: indicates to the C program that the getppid() routine is available  
?S: to get the parent process ID.  
?S:.  
?C:HAS\_GETPPID :  
?C: This symbol,  
if defined, indicates that the getppid routine is  
?C: available to get the parent process ID.  
?C:.  
?H:#\$d\_getppid HAS\_GETPPID /\*\*/  
?H:.  
?LINT:set d\_getppid  
: see if getppid exists  
set getppid d\_getppid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getppid.U

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

?RCS: \$Id: d\_sigblock.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_sigblock.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:21 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_sigblock: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sigblock:

?S: This variable conditionally defines HAS\_SIGBLOCK if sigblock() is

?S: available to block signal reception.

?S:.

?C:HAS\_SIGBLOCK:

?C: This symbol, if defined, indicates that the sigblock routine is

?C: available to block signal reception.

?C:.

?H:#\$d\_sigblock HAS\_SIGBLOCK /\*\*/

?H:.

?LINT:set

d\_sigblock

: see if sigblock exists

set sigblock d\_sigblock

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sigblock.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_nearbyint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nearbyint:

?S: This variable conditionally defines HAS\_NEARBYINT if nearbyint()

?S: is available to return the integral value closest to (according to

?S: the current rounding mode) to x.

?S:.

?C:HAS\_NEARBYINT:

?C: This symbol, if defined, indicates that the nearbyint routine is

?C: available to return the integral value closest to (according to

?C: the current rounding mode) to x.

?C:.

?H:#\$d\_nearbyint HAS\_NEARBYINT /\*\*/

?H:.

?LINT:set d\_nearbyint

: see if nearbyint exists

set nearbyint d\_nearbyint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nearbyint.U

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

?RCS: \$Id: i\_grp.U,v 3.0 1993/08/18 12:08:20 ram Exp \$

```

?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: GRPASSWD detection added by Andy Dougherty July 14, 1998.
?RCS:
?RCS: $Log: i_grp.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:20 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_grp d_grpasswd: \
contains rm cppstdin cppflags cppminus Inhdr Findhdr Setvar
?MAKE: -pick add $@ %<
?S:i_grp:
?S: This variable conditionally defines the I_GRP symbol, and indicates
?S: whether a C program should include <grp.h>.
?S:.
?S:d_grpasswd:
?S: This variable conditionally
defines GRPASSWD, which indicates
?S: that struct group in <grp.h> contains gr_passwd.
?S:.
?C:I_GRP:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <grp.h>.
?C:.
?C:GRPASSWD:
?C: This symbol, if defined, indicates to the C program that struct group
?C: in <grp.h> contains gr_passwd.
?C:.
?H:#$i_grp I_GRP /**/
?H:#$d_grpasswd GRPASSWD /**/
?H:.
?LINT:set i_grp d_grpasswd
?T: xxx
: see if this is an grp system
set grp.h i_grp
eval $inhdr

case "$i_grp" in
$define)
xxx=`./findhdr grp.h`
$cppstdin $cppflags $cppminus < $xxx >$$h

```

```
if $contains 'gr_passwd' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_grpasswd
eval $setvar
```

```
$rm -f $$h
;;
*)
val="$undef";
set d_grpasswd; eval $setvar
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_grp.U
```

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

?RCS: \$Id: vendorhtml3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: vendorhtml3dir.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:vendorhtml3dir vendorhtml3direxp installvendorhtml3dir: html3dir Getfile \

Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorhtml3dir:

?S: This variable contains the name of the directory for html

?S: library pages. It may have a ~ on the front.

?S: The standard distribution will put nothing  
in this directory.

?S: Vendors who distribute perl may wish to place their own

?S: html pages for modules and extensions in this directory with

?S: MakeMaker Makefile.PL INSTALLDIRS=vendor



?S: or equivalent. See INSTALL for details.

?S:.

?S:vendorhtml3direxp:

?S: This variable is the ~name expanded version of vendorhtml3dir, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installvendorhtml3dir="

?S:installvendorhtml3dir:

?S: This variable is really the same as vendorhtml3direxp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?LINT:change prefixvar

?LINT:set installvendorhtml3dir

: Set the vendorhtml3dir variables

case "\$vendorprefix" in

) vendorhtml3dir="

vendorhtml3direxp="

;;

\*) : determine where vendor-supplied module html pages go.

: There is no standard location, so try to copy the previously-selected

: directory structure for the core html pages.

: XXX Better default

suggestions would be welcome.

case "\$vendorhtml3dir" in

) dflt=`echo "\$html3dir" | \$sed "s#^\$prefix#\$vendorprefix#"` ;;

\*) dflt=\$vendorhtml3dir ;;

esac

case "\$dflt" in

"|' ) dflt=none ;;

esac

fn=dn+~

rp='Pathname for the vendor-supplied html pages?'

./getfile

vendorhtml3dir="\$ans"

vendorhtml3direxp="\$ansexp"

;;

esac

: Use ' ' for none so value is preserved next time through Configure

\$test X"\$vendorhtml3dir" = "X" && vendorhtml3dir=' '

prefixvar=vendorhtml3dir

./installprefix

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorhtml3dir.U

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

?RCS: You may distribute under the terms of either the GNU General Public

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?RCS:

?MAKE:d\_scalbn: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_scalbn:

?S: This variable conditionally defines the HAS\_SCALBN symbol, which

?S: indicates to the C program that the scalbn() routine is available.

?S:.

?C:HAS\_SCALBN:

?C: This symbol, if defined, indicates that the scalbn routine is

?C: available to multiply floating-point number by integral power

?C: of radix.

?C:.

?H:#\$d\_scalbn HAS\_SCALBN /\*\*/

?H:.

?LINT:set d\_scalbn

: see if scalbn exists

set scalbn d\_scalbn

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_scalbn.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_faststdio: Setvar \

d\_stdstdio d\_stdio\_ptr\_lval d\_stdio\_cnt\_lval d\_stdio\_ptr\_lval\_sets\_cnt

?MAKE: -pick add \$@ %<

?S:d\_faststdio:

?S: This variable conditionally defines the HAS\_FAST\_STDIO symbol,

?S: which indicates to the C program that the "fast stdio" is available

?S: to manipulate the stdio buffers directly.

?S:.

?C:HAS\_FAST\_STDIO:

?C: This symbol, if defined, indicates that the "fast stdio"

?C: is available to manipulate the stdio buffers directly.

?C:.

?H:#\$d\_faststdio HAS\_FAST\_STDIO /\*\*/

?H:.

?LINT:set d\_faststdio

```

: see if fast_stdio exists
val="$undef"
case "$d_stdstdio:$d_stdio_ptr_lval" in
"$define:$define")
case "$d_stdio_cnt_lval$d_stdio_ptr_lval_sets_cnt" in
*$define*)
echo "You
seem to have 'fast stdio' to directly manipulate the stdio buffers." >& 4
val="$define"
;;
esac
;;
esac
set d_faststdio
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_faststdio.U

```

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Unix.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:20:06 ram

?RCS: patch61: created

?RCS:

?X:

?X: The purpose of this unit is to define things that are common across all

?X: known UNIX platforms. If Configure is ported/used on a non-UNIX

?X: environment, then some of the following variables can be redefined in hint

?X: files.

?X:

?MAKE:Unix \_a \_o firstmakefile archobjs: Oldconfig

?MAKE: -pick add \$@ %<

?S:\_a (lib\_ext):

?S: This variable defines the extension

used for ordinary libraries.

?S: For unix, it is 'a'. The '.' is included. Other possible

?S: values include '.lib'.

?S:.

?S: \_o (obj\_ext):

?S: This variable defines the extension used for object files.

?S: For unix, it is '.o'. The '.' is included. Other possible

?S: values include '.obj'.

?S:.

?S: firstmakefile:

?S: This variable defines the first file searched by make. On unix,

?S: it is makefile (then Makefile). On case-insensitive systems,

?S: it might be something else. This is only used to deal with

?S: convoluted make depend tricks.

?S:.

?S: archobjs:

?S: This variable defines any additional objects that must be linked

?S: in with the program on this architecture. On unix, it is usually

?S: empty. It is typically used to include emulations of unix calls

?S: or other facilities. For perl on OS/2, for example, this would

?S: include os2/os2.obj.

?S:.

?INIT:: Extra object files, if any, needed on this platform.

?INIT: archobjs="

: Define several unixisms.

: Hints files

or command line option can be used to override them.

case "\$\_a" in

) \_a='.a';;

esac

case "\$\_o" in

) \_o='.o';;

esac

@if firstmakefile

: Which makefile gets called first. This is used by make depend.

case "\$firstmakefile" in

) firstmakefile='makefile';;

esac

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Unix.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2014, H.Merijn Brand

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_backtrace.U,v $
?RCS:
?MAKE:d_backtrace: Inlibc
?MAKE: -pick add $@ %<
?S:d_backtrace:
?S: This variable conditionally defines the HAS_BACKTRACE symbol, which
?S: indicates to the C program that the backtrace() routine is available
?S: to get a stack trace.
?S:.
?C:HAS_BACKTRACE:
?C: This symbol, if defined, indicates that the backtrace() routine is
?C: available to get a stack trace. The <execinfo.h> header must be
?C: included to use this routine.
?C:.
?H:#$d_backtrace HAS_BACKTRACE /**/
?H:.
?LINT:set d_backtrace
:
  see if backtrace exists
set backtrace d_backtrace
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/d_backtrace.U

```

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

```

?RCS: $Id: i_memory.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_memory.U,v $
?RCS: Revision 3.0.1.3 1994/06/20 07:01:55 ram
?RCS: patch30: cosmetic changes
?RCS:

```

```

?RCS: Revision 3.0.1.2 1994/05/13 15:23:56 ram
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 15:02:25 ram
?RCS: patch23: avoid conflicts with <string.h>
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:22 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_memory: Inhdr strings cppstdin
cppflags cppminus contains rm Setvar
?MAKE: -pick add $@ %<
?S:i_memory:
?S: This variable conditionally defines the I_MEMORY symbol, and indicates
?S: whether a C program should include <memory.h>.
?S:.
?C:I_MEMORY:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <memory.h>.
?C:.
?H:#$i_memory I_MEMORY /**/
?H:.
?LINT:set i_memory
?X:
?X: Unfortunately, the definitions of memory functions sometimes
?X: conflict with those in <string.h>. We'll assume that if
?X: <string.h> contains memcpy, then we don't need memory.h
?X:
: see if memory.h is available.
val="
set memory.h val
eval $inhdr

: See if it conflicts with string.h
case "$val" in
$define)
case "$strings" in
") ;;
*)
$cppstdin $cppflags $cppminus < $strings > mem.h
if $contains 'memcpy' mem.h >/dev/null 2>&1; then
echo " "
echo "We won't be including <memory.h>."
val="$undef"
fi
$rm -f mem.h
;;
esac

```

```
esac
set i_memory
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_memory.U
```

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

```
?RCS: $Id: d_perlio.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_perlio.U,v $
?RCS:
?MAKE:useperlio: Myread Oldconfig Setvar
?MAKE: -pick add $@ %<
?Y:TOP
?S:useperlio:
?S: This variable conditionally defines the USE_PERLIO symbol,
?S: and indicates that the PerLIO abstraction should be
?S: used throughout.
?S:.
?C:USE_PERLIO:
?C: This symbol, if defined, indicates that the PerLIO abstraction should
?C: be used throughout. If not defined, stdio should be
?C: used in a fully backward compatible manner.
?C:.
?H:?%<:#ifndef USE_PERLIO
?H:?%<:#$useperlio USE_PERLIO /**/
?H:?%<:#endif
?H:.
: Check if we want perlio
useperlio="$define"
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/useperlio.U
```

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

```
?RCS: $Id: d_castneg.U,v 3.0.1.2 1995/05/12 12:11:21 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
```

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_castneg.U,v \$

?RCS: Revision 3.0.1.2 1995/05/12 12:11:21 ram

?RCS: patch54: made sure cc and cflags are conditional dependencies

?RCS: patch54: added improved test case for Interactive Unix

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:10:50 ram

?RCS: patch36: don't forget to tell user about compilation failures (ADO)

?RCS: patch36: declare signal handler correctly using 'signal\_t' (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:47 ram

?RCS: Baseline

for dist 3.0 netwide release.

?RCS:

?X:

?X: Can the compiler cast negative / odd floats to unsigned values.

?X:

?MAKE:d\_castneg castflags: cat Compile rm\_try Setvar signal\_t run i\_stdlib

?MAKE: -pick add \$@ %<

?S:d\_castneg:

?S: This variable conditionally defines CASTNEG, which indicates

?S: whether the C compiler can cast negative float to unsigned.

?S:.

?S:castflags:

?S: This variable contains a flag that precise difficulties the

?S: compiler has casting odd floating values to unsigned long:

?S: 0 = ok

?S: 1 = couldn't cast < 0

?S: 2 = couldn't cast >= 0x80000000

?S: 4 = couldn't cast in argument expression list

?S:.

?C:CASTNEGFLOAT:

?C: This symbol is defined if the C compiler can cast negative

?C: numbers to unsigned longs, ints and shorts.

?C:.

?C:CASTFLAGS:

?C: This symbol contains flags that say what difficulties the compiler

?C: has casting odd floating values to unsigned long:

?C: 0 = ok

?C: 1 = couldn't cast < 0

?C: 2 = couldn't cast >= 0x80000000

?C: 4 = couldn't

cast in argument expression list

?C:.



```

?H:#$d_castneg CASTNEGFLOAT /**/
?H:#define CASTFLAGS $castflags /**/
?H:.
?F:!try
?LINT:set d_castneg
: check for ability to cast negative floats to unsigned
echo " "
echo 'Checking whether your C compiler can cast negative float to unsigned.' >&4
$cat >try.c <<EOCP
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <sys/types.h>
#include <signal.h>
$signal_t blech(int s) { exit(7); }
$signal_t blech_in_list(int s) { exit(4); }
unsigned long dummy_long(unsigned long p) { return p; }
unsigned int dummy_int(unsigned int p) { return p; }
unsigned short dummy_short(unsigned short p) { return p; }
int main()
{
double f;
unsigned long along;
unsigned int aint;
unsigned short ashort;
int result = 0;
char str[16];

/* Frustrate gcc-2.7.2's optimizer which failed this test with
   a direct f = -123. assignment. gcc-2.8.0 reportedly
   optimized the whole file away
*/
/* Store the number in a writable
string for gcc to pass to
scanf under HP-UX.
*/
sprintf(str, "-123");
scanf(str, "%lf", &f); /* f = -123.; */

signal(SIGFPE, blech);
along = (unsigned long)f;
aint = (unsigned int)f;
ashort = (unsigned short)f;
if (along != (unsigned long)-123)
result |= 1;
if (aint != (unsigned int)-123)

```

```

    result |= 1;
if (ashort != (unsigned short)-123)
    result |= 1;
sprintf(str, "1073741824.");
sscanf(str, "%lf", &f); /* f = (double)0x40000000; */
f = f + f;
along = 0;
along = (unsigned long)f;
if (along != 0x80000000)
    result |= 2;
f -= 1.;
along = 0;
along = (unsigned long)f;
if (along != 0x7fffffff)
    result |= 1;
f += 2.;
along = 0;
along = (unsigned long)f;
if (along != 0x80000001)
    result |= 2;
if (result)
    exit(result);
?X:
?X: The following is a test for Interactive Unix Version 4.1, which
?X: has an 'improved' compiler which can correctly cast negative
?X: floats in expression lists, but apparently not in argument lists.
?X: Contributed by Winfried Koenig
<win@incom.rhein-main.de>
?X:
signal(SIGFPE, blech_in_list);
sprintf(str, "123.");
sscanf(str, "%lf", &f); /* f = 123.; */
along = dummy_long((unsigned long)f);
aint = dummy_int((unsigned int)f);
ashort = dummy_short((unsigned short)f);
if (along != (unsigned long)123)
    result |= 4;
if (aint != (unsigned int)123)
    result |= 4;
if (ashort != (unsigned short)123)
    result |= 4;
exit(result);

}
EOCP
set try
if eval $compile_ok; then
$run ./try 2>/dev/null

```

```

castflags=$?
else
echo "(I can't seem to compile the test program--assuming it can't)"
castflags=7
fi
case "$castflags" in
0) val="$define"
echo "Yup, it can."
;;
*) val="$undef"
echo "Nope, it can't."
;;
esac
set d_castneg
eval $setvar
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_castneg.U
```

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

```

?RCS: $Id: cpp_trad.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cpp_stuff.U,v $
?MAKE:cpp_trad: cpp cat contains rm
?MAKE: -pick add $@ %<
?S:cpp_trad:
?S: This variable contains the program to run to get traditional C
?S: preprocessor semantics and not ISO C semantics: we want something
?S: that knows as little about C as possible to use as a more general
?S: purpose preprocessor.
?S:.
?F:!foo.c !foo.cpp
: how do we get traditional cpp semantics?
echo " "
echo "Checking to see how to get traditional cpp semantics..."
>&4
$cat >foo.c <<'EOF'
#define A(x) x

```

```

#define B(y) y
A(a)B(b)
EOF
if $c++ foo.c >foo.cpp; $contains ab foo.cpp >/dev/null 2>&1; then
echo "Plain '$c++' works just fine."
c++_trad="$c++"
elif $c++ -traditional foo.c >foo.cpp; \
$contains ab foo.cpp >/dev/null 2>&1; then
echo "We'll use '$c++ -traditional' to get proper semantics."
c++_trad="$c++ -traditional"
else
echo "I don't know how to get traditional semantics with '$c++'." >&4
c++_trad="$c++"
fi
$rm -f foo.c foo.cpp

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/c++_trad.U

```

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

```

?RCS: $Id: d_lchown.U,v 3.0.1.1 1994/08/29 16:07:14 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_lchown.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:07:14 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_lchown: Compile Setvar cat echo
?MAKE: -pick add $@ %<
?S:d_lchown:
?S: This variable conditionally defines the HAS_LCHOWN symbol, which
?S: indicates to the C program that the lchown() routine is available
?S: to operate on a symbolic link (instead of following the link).
?S:.
?C:HAS_LCHOWN
:
?C: This symbol, if defined, indicates that the lchown routine is
?C: available to operate on a symbolic link (instead of following the

```

?C: link).

?C:.

?H:#\$d\_lchown HAS\_LCHOWN /\*\*/

?H:.

?LINT:set d\_lchown

: see if lchown exists

echo " "

?X: Some functions (such as lchown()) are present in libc, but are

?X: unimplemented. That is, they always fail and set errno=ENOSYS.

?X:

?X: Thomas Bushnell provided the following sample code and the explanation

?X: that follows.

?X:

?X: The choice of <assert.h> is essentially arbitrary. The GNU libc

?X: macros are found in <gnu/stubs.h>. You can include that file instead

?X: of <assert.h> (which itself includes <gnu/stubs.h>) if you test for

?X: its existence first. <assert.h> is assumed to exist on every system,

?X: which is why it's used here. Any GNU libc header file will include

?X: the stubs macros. If either \_\_stub\_NAME or \_\_stub\_\_NAME is defined,

?X: then the function doesn't actually exist. Tests using <assert.h>

work

?X: on every system around.

?X:

?X: The declaration of FOO is there to override builtin prototypes for

?X: ANSI C functions.

?X:

?X: I really ought to enhance the inlibc test to check for this, but

?X: I don't have time now. --A.D. 5/1998

?X:

```
$cat > try.c <<'EOCP'
/* System header to define __stub macros and hopefully few prototypes,
   which can conflict with char lchown(); below. */
#include <assert.h>
/* Override any gcc2 internal prototype to avoid an error. */
/* We use char because int might match the return type of a gcc2
   builtin and then its argument prototype would still apply. */
char lchown();
int main() {
    /* The GNU C library defines this for functions which it implements
       to always fail with ENOSYS. Some functions are actually named
       something starting with __ and the normal name is an alias. */
    #if defined (__stub_lchown) || defined (__stub__lchown)
        choke me
    #else
        lchown();
    #endif
    ; return 0; }
EOCP
```

```
set try
if eval $compile; then
  $echo
  "lchown() found." >&4
  val="$define"
else
  $echo "lchown() NOT found." >&4
  val="$undef"
fi
set d_lchown
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_lchown.U
```

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

?RCS: Copyright (c) 2017, Karl Williamson

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_mbrtowc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mbrtowc:

?S: This variable conditionally defines the HAS\_MBRTOWC symbol if the

?S: mbrtowc() routine is available to be used to convert a multi-byte

?S: character into a wide character.

?S:.

?C:HAS\_MBRTOWC:

?C: This symbol, if defined, indicates that the mbrtowc routine is

?C: available to convert a multi-byte character into a wide character.

?C:.

?H:#\$d\_mbrtowc HAS\_MBRTOWC /\*\*/

?H:.

?LINT: set d\_mbrtowc

: see if mbrtowc exists

set mbrtowc d\_mbrtowc

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_mbrtowc.U
```

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1998, Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:i\_thread: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_thread:  
?S: This variable conditionally defines the I\_PTHREAD symbol,  
?S: and indicates whether a C program should include <pthread.h>.  
?S:.  
?C:I\_PTHREAD:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <pthread.h>.  
?C:.  
?H:#\$i\_thread I\_PTHREAD /\*\*/  
?H:.  
?LINT:set i\_thread  
: see if POSIX threads are available  
set pthread.h i\_thread  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/i\_thread.U

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

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?MAKE:d\_atanh: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_atanh:  
?S: This variable conditionally defines the HAS\_ATANH symbol, which  
?S: indicates to the C program that the atanh() routine is available.  
?S:.  
?C:HAS\_ATANH:  
?C: This symbol, if defined, indicates that the atanh routine is  
?C: available to do the inverse hyperbolic tangent function.  
?C:.  
?H:#\$d\_atanh HAS\_ATANH /\*\*/  
?H:.  
?LINT:set d\_atanh

```
: see if atanh exists
set atanh d_atanh
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_atanh.U
```

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

```
?RCS: $Id: html1dir.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
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```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: html1dir.U,v $
```

```
?RCS:
```

```
?MAKE:html1dir html1direxp installhtml1dir: cat Loc Myread \
```

```
package test Getfile Setprefixvar Prefixit Prefixup
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?D:html1dir="
```

```
?S:html1dir:
```

```
?S: This variable contains the name of the directory in which html
```

```
?S: source pages are to be put. This directory is for pages
```

```
?S: that describe whole programs, not libraries or modules. It
```

```
?S: is intended to correspond roughly to section 1 of the Unix
```

```
?S: manuals.
```

```
?S:.
```

```
?D:html1direxp="
```

```
?S:html1direxp:
```

```
?S: This
```

```
variable is the same as the html1dir variable, but is filename
```

```
?S: expanded at configuration time, for convenient use in makefiles.
```

```
?S:.
```

```
?D:installhtml1dir="
```

```
?S:installhtml1dir:
```

```
?S: This variable is really the same as html1direxp, unless you are
```

```
?S: using a different installprefix. For extra portability, you
```

```
?S: should only use this variable within your makefiles.
```

```
?S:.
```

```
?LINT:change prefixvar
```

```
?LINT:set html1direxp
```

```
?LINT:set installhtml1dir
```



```
: determine where html pages for programs go
set html1dir html1dir none
eval $prefixit
$cat <<EOM
```

If you wish to install html files for programs in \$spackage, indicate the appropriate directory here. To skip installing html files, answer "none".

```
EOM
case "$html1dir" in
  "|none|$undef|' ') dflt=none ;;
  *) dflt=$html1dir ;;
esac
fn=dn+~
rp="Directory for the main $spackage html pages?"
./getfile
prefixvar=html1dir
./setprefixvar
: Use ' ' for none so value is preserved next time through Configure
$test X"$html1dir" = "X" && html1dir=' '
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/html1dir.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: lib.U,v \$

?RCS: Revision 3.0.1.3 1995/09/25 09:16:47 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:38:08 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:27:40 ram

?RCS: patch32: now uses installation prefix to set the default

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:lib libexp: Getfile

Loc Oldconfig Prefixit Prefixup prefixexp

?MAKE: -pick add \$@ %<

?Y:TOP

?S:lib:

?S: This variable holds the name of the directory in which the user wants

?S: to put public library files for the package in question. It is most

?S: often a local directory such as /usr/local/lib. Programs using this

?S: variable must be prepared to deal with filename expansion.

?S:.

?S:libexp:

?S: This variable is the same as the lib variable, but is filename expanded

?S: at configuration time, for convenient use in your makefiles.

?S:.

: determine where public libraries go

set lib lib

eval \$prefixit

case "\$lib" in

")

dflt=`./loc . ." \$prefixexp/lib /usr/local/lib /usr/lib /lib`

set dflt

eval \$prefixup

::

\*) dflt="\$lib";;

esac

echo " "

fn=d~

rp='Where do you want to put the public libraries?'

./getfile

lib="\$ans"

libexp="\$ansexp"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lib.U

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

?RCS: \$Id: i\_fcctl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

```

?RCS:
?RCS: $Log: i_fcntl.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:18 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_fcntl: h_fcntl h_sysfile +i_sysfile Inhdr Setvar
?MAKE: -pick add $@ %<
?S:i_fcntl:
?S: This variable controls the value of I_FCNTL (which tells
?S: the C program to include <fcntl.h>).
?S:.
?C:I_FCNTL (HDR_O_STUFF FCNTL):
?C: This manifest constant tells the C program to include <fcntl.h>.
?C:.
?H:#$i_fcntl I_FCNTL /**/
?H:.
?T:val
?X:
  Make line lists +i_sysfile to ensure tests for <sys/file.h> will be
?X: conducted prior tests for <fcntl.h>, hece making sure the h_sysfile
?X: variable is correctly set when we reach that unit.
?LINT:set i_fcntl
?LINT:use i_sysfile
?LINT:change h_fcntl
: see if fcntl.h is there
val="
set fcntl.h val
eval $inhdr

: see if we can include fcntl.h
case "$val" in
"$define")
echo " "
if $h_fcntl; then
val="$define"
echo "We'll be including <fcntl.h>." >&4
else
val="$undef"
if $h_sysfile; then
echo "We don't need to include <fcntl.h> if we include <sys/file.h>." >&4
else
echo "We won't be including <fcntl.h>." >&4
fi
fi
;;
*)
h_fcntl=false
val="$undef"

```

```
;;
esac
set i_fcntl
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_fcntl.U
```

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

```
?RCS: $Id: d_getprotoent_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getprotoent_r getprotoent_r_proto: Inlibc Protochk Hasproto \
i_systypes usethreads i_netdb extern_C
?MAKE: -pick add $@ %<
?S:d_getprotoent_r:
?S: This variable conditionally defines the HAS_GETPROTOENT_R symbol,
?S: which indicates to the C program that the getprotoent_r()
?S: routine is available.
?S:.
?S:getprotoent_r_proto:
?S: This variable encodes the prototype of getprotoent_r.
?S: It is zero if d_getprotoent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotoent_r
?S: is defined.
?S:.
?C:HAS_GETPROTOENT_R:
?C: This symbol, if defined, indicates that the getprotoent_r
routine
?C: is available to getprotoent re-entrantly.
?C:.
?C:GETPROTOENT_R_PROTO:
?C: This symbol encodes the prototype of getprotoent_r.
?C: It is zero if d_getprotoent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotoent_r
?C: is defined.
?C:.
?H:#$d_getprotoent_r HAS_GETPROTOENT_R /**/
?H:#define GETPROTOENT_R_PROTO $getprotoent_r_proto /**/
?H:.
?T:try hdrs d_getprotoent_r_proto
: see if getprotoent_r exists
```

```

set getprotoent_r d_getprotoent_r
eval $inlibc
case "$d_getprotoent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getprotoent_r_proto:$usethreads" in
":define") d_getprotoent_r_proto=define
set d_getprotoent_r_proto getprotoent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getprotoent_r_proto" in
define)
case "$getprotoent_r_proto" in
"|0) try='int getprotoent_r(struct protoent*, char*, size_t, struct protoent**);'
./prochck "$extern_C $try" $hdrs && getprotoent_r_proto=I_SBWR
;;
esac
case "$getprotoent_r_proto" in
"|0) try='int getprotoent_r(struct protoent*, char*, int);'
./prochck "$extern_C $try" $hdrs && getprotoent_r_proto=I_SBI ;;
esac
case "$getprotoent_r_proto" in
"|0) try='struct protoent* getprotoent_r(struct protoent*, char*, int);'
./prochck "$extern_C $try" $hdrs && getprotoent_r_proto=S_SBI ;;
esac
case "$getprotoent_r_proto" in
"|0) try='int getprotoent_r(struct protoent*, struct protoent_data*);'
./prochck "$extern_C $try" $hdrs && getprotoent_r_proto=I_SD ;;
esac
case "$getprotoent_r_proto" in
"|0) d_getprotoent_r=undef
getprotoent_r_proto=0
echo "Disabling getprotoent_r, cannot determine prototype." >&4 ;;
* ) case "$getprotoent_r_proto" in
REENTRANT_PROTO*) ;;
*) getprotoent_r_proto="REENTRANT_PROTO_$getprotoent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getprotoent_r has no prototype, not using it." >&4 ;;
esac
d_getprotoent_r=undef
getprotoent_r_proto=0
;;
esac

```

```
::
*) getprotoent_r_proto=0
::
esac
```

#### Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getprotoent_r.U
```

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

?RCS: \$Id: d\_vprintf.U,v 3.0 1993/08/18 12:07:59 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_vprintf.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:59 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_vprintf d\_charvspr: Compile Guess cat Csym Setvar run rm\_try \  
i\_stdlib i\_unistd i\_stdarg i\_varargs

?MAKE: -pick add \$@ %<

?S:d\_vprintf:

?S: This variable conditionally defines the HAS\_VPRINTF symbol, which

?S: indicates to the C program that the vprintf() routine is available

?S: to printf with a pointer to an argument list.

?S:.

?S:d\_charvspr:

?S: This

variable conditionally defines CHARVSPRINTF if this system

?S: has vsprintf returning type (char\*). The trend seems to be to

?S: declare it as "int vsprintf()".

?S:.

?C:HAS\_VPRINTF (VPRINTF):

?C: This symbol, if defined, indicates that the vprintf routine is available

?C: to printf with a pointer to an argument list. If unavailable, you

?C: may need to write your own, probably in terms of \_doprnt().

?C:.

?C:USE\_CHAR\_VSPRINTF (CHARVSPRINTF):

?C: This symbol is defined if this system has vsprintf() returning type

?C: (char\*). The trend seems to be to declare it as "int vsprintf()". It

?C: is up to the package author to declare vsprintf correctly based on the

```

?C: symbol.
?C:.
?H:#$d_vprintf HAS_VPRINTF /**/
?H:#$d_charvspr USE_CHAR_VSPRINTF /**/
?H:.
?T:val2
?F:!try
?LINT:set d_vprintf d_charvspr
: see if vprintf exists
echo " "
if set vprintf val -f d_vprintf; eval $csym; $val; then
echo 'vprintf() found.' >&4
val="$define"
$cat >try.c <<EOF
#$i_stdarg I_STDARG /*
Only one of these can be defined by i_varhrd */
#$i_varargs I_VARARGS

#$i_stdlib I_STDLIB
#$i_unistd I_UNISTD

#ifdef I_STDARG
# include <stdarg.h>
#else /* I_VARARGS */
# include <varargs.h>
#endif

#ifdef I_UNISTD
# include <unistd.h>
#endif

#ifdef I_STDLIB
# include <stdlib.h>
#endif

#include <stdio.h> /* vsprintf prototype */

#ifdef I_STDARG
void xxx(int n, ...)
{
va_list args;
char buf[10];
va_start(args, n);
exit(((unsigned long)vsprintf(buf,"%s",args) > 10L);
}
int main() { xxx(1, "foo"); }

#else /* I_VARARGS */

```

```

xxx(va_alist)
va_dcl
{
    va_list args;
    char buf[10];
    va_start(args);
    exit(((unsigned long)vsprintf(buf,"%s",args) > 10L);
}
int main() { xxx("foo"); }

```

#endif

EOF

```

set try
if eval $compile_ok; then
if $run ./try; then
    echo "Your vsprintf() returns (int)." >&4
    val2="$undef"
else
    echo "Your vsprintf() returns (char*)." >&4
    val2="$define"
fi
else
    echo 'I am unable to compile the vsprintf() test program.' >&4
    #
    We shouldn't get here. If we do, assume the standard signature,
    # not the old BSD one.
    echo 'Guessing that vsprintf() returns (int).' >&4
    val2="$undef"
fi
else
    echo 'vprintf() NOT found.' >&4
    val="$undef"
    val2="$undef"
fi
$rm_try
set d_vprintf
eval $setvar
val=$val2
set d_charvspr
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_vprintf.U

```

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?RCS:

?RCS: \$Log: d\_shmat.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 14:04:23 ram

?RCS: patch56: use findhdr to find <sys/shm.h>, to get the right one (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:18:56 ram

?RCS: patch27: added new symbol HAS\_SHMAT\_PROTOTYPE (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:54:18 ram

?RCS: patch23: new Shmat\_t symbol to declare return type of shmat()

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:18 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_shmat shmattype

d\_shmatprototype: Inlibc cat +cc +ccflags \  
rm cppstdin cppflags cppminus Findhdr Setvar contains

?MAKE: -pick add \$@ %<

?S:d\_shmat:

?S: This variable conditionally defines the HAS\_SHMAT symbol, which  
?S: indicates to the C program that the shmat() routine is available.

?S:.

?S:shmattype:

?S: This symbol contains the type of pointer returned by shmat().  
?S: It can be 'void \*' or 'char \*'.

?S:.

?S:d\_shmatprototype:

?S: This variable conditionally defines the HAS\_SHMAT\_PROTOTYPE  
?S: symbol, which indicates that sys/shm.h has a prototype for  
?S: shmat.

?S:.

?C:HAS\_SHMAT:

?C: This symbol, if defined, indicates that the shmat() routine is  
?C: available to attach a shared memory segment to the process space.

?C:.

?C:Shmat\_t:

?C: This symbol holds the return type of the shmat() system call.  
?C: Usually set to 'void \*' or 'char \*'.

?C:.

?C:HAS\_SHMAT\_PROTOTYPE:

?C: This symbol, if defined, indicates that the sys/shm.h includes

?C: a prototype for shmat(). Otherwise, it is up to the program  
to

?C: guess one. Shmat\_t shmat\_((int, Shmat\_t, int)) is a good guess,

?C: but not always right so it should be emitted by the program only

?C: when HAS\_SHMAT\_PROTOTYPE is not defined to avoid conflicting defs.

?C:.

?H:#\$d\_shmat HAS\_SHMAT /\*\*/

?H:#define Shmat\_t \$shmattype /\*\*/

?H:#\$d\_shmatprototype HAS\_SHMAT\_PROTOTYPE /\*\*/

?H:.

?LINT:set d\_shmat d\_shmatprototype

?T:xxx

: see if shmat exists

set shmat d\_shmat

eval \$inlibc

: see what shmat returns

case "\$d\_shmat" in

"\$define")

\$cat >shmat.c <<'END'

#include <sys/shm.h>

void \*shmat();

END

if \$cc \$ccflags -c shmat.c >/dev/null 2>&1; then

shmattype='void \*'

else

shmattype='char \*'

fi

echo "and it returns (\$shmattype)." >&4

: see if a prototype for shmat is available

xxx=`./findhdr sys/shm.h`

\$cppstdin \$cppflags \$cppminus < \$xxx > shmat.c 2>/dev/null

if \$contains 'shmat.\*(' shmat.c >/dev/null 2>&1; then

val="\$define"

else

val="\$undef"

fi

\$rm -f shmat.[co]

::

\*)

val="\$undef"

::

esac

set d\_shmatprototype

eval \$setvar

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_shmat.U

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?RCS: \$Id: d\_getpent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: d\_getpent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getpent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getpent:

?S: This variable conditionally defines HAS\_GETPROTOENT if getprotoent() is

?S: available to look up protocols in some data base or another.

?S:.

?C:HAS\_GETPROTOENT:

?C: This symbol, if defined, indicates that the getprotoent() routine is

?C: available to look up protocols in some data base

or another.

?C:.

?H:#\$d\_getpent HAS\_GETPROTOENT /\*\*/

?H:.

?LINT:set d\_getpent

: see if getprotoent exists

set getprotoent d\_getpent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getpent.U

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?RCS: \$Id: d\_fchmod.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:  
?RCS: \$Log: d\_fchmod.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:05:59 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_fchmod: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fchmod:  
?S: This variable conditionally defines the HAS\_FCHMOD symbol, which  
?S: indicates to the C program that the fchmod() routine is available  
?S: to change mode of opened files.  
?S:.  
?C:HAS\_FCHMOD (FCHMOD):  
?C: This symbol, if defined, indicates that the fchmod routine is available  
?C: to  
change mode of opened files. If unavailable, use chmod().  
?C:.  
?H:#\$d\_fchmod HAS\_FCHMOD /\*\*/  
?H:.  
?LINT:set d\_fchmod  
: see if fchmod exists  
set fchmod d\_fchmod  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fchmod.U

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

?RCS: \$Id\$  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: orderlib.U,v \$  
?RCS: Revision 3.0.1.4 1997/02/28 16:18:18 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS: patch61: likewise for .o replaced by \$\_o  
?RCS: patch61: now uses the ar located by Loc.U  
?RCS:

```

?RCS: Revision 3.0.1.3 1995/01/11 15:33:04 ram
?RCS: patch45: allows hint files to specify their own value for 'ranlib'
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:26:48 ram
?RCS: patch36: now performs a real small compile for accurate checks (ADO)
?RCS:
?RCS: Revision 3.0.1.1
    1994/08/29 16:31:17 ram
?RCS: patch32: use cc variable instead of hardwired 'cc' in 1st compile
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:26 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:orderlib ranlib: Loc ar cat test rm +cc +ccflags +ldflags +libs _a _o
?MAKE: -pick add $@ %<
?S:orderlib:
?S: This variable is "true" if the components of libraries must be ordered
?S: (with `lorder $* | tsort`) before placing them in an archive. Set to
?S: "false" if ranlib or ar can generate random libraries.
?S:.
?S:ranlib:
?S: This variable is set to the pathname of the ranlib program, if it is
?S: needed to generate random libraries. Set to ":" if ar can generate
?S: random libraries or if random libraries are not supported
?S:.
?F:!foobar
: see if ar generates random libraries by itself
echo " "
echo "Checking how to generate random libraries on your machine..." >&4
?X: Some systems (like MIPS) complain when running ar... Others like Ultrix
?X: need an explicit 'ar ts'
    to add the table of contents.
?X: Still others like Linux run ar ts successfully, but still need ranlib.
?X: This set of tests seems the minimum necessary to check out Linux.
?X: We need to explicitly put the entries in out-of-order so that Sun's ld
?X: will fail. (Otherwise it complains, but gives an exit status of 0.)
echo 'int bar1() { return bar2(); }' > bar1.c
echo 'int bar2() { return 2; }' > bar2.c
$cat > foo.c <<'EOP'
int main() { printf("%d\n", bar1()); exit(0); }
EOP
$cc $ccflags -c bar1.c >/dev/null 2>&1
$cc $ccflags -c bar2.c >/dev/null 2>&1
$cc $ccflags -c foo.c >/dev/null 2>&1
$ar rc bar$_a bar2$_o bar1$_o >/dev/null 2>&1
if $cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs > /dev/null 2>&1 &&
./foobar >/dev/null 2>&1; then
echo "ar appears to generate random libraries itself."

```

```

orderlib=false
ranlib=":"
elif $ar ts bar$_a >/dev/null 2>&1 &&
$cc $ccflags $ldflags -o foobar foo$_o bar$_a $libs >/dev/null 2>&1 &&
./foobar >/dev/null 2>&1; then
echo "a table of contents
needs to be added with 'ar ts'."
orderlib=false
ranlib="$ar ts"
else
?X: Allow hints to specify their own ranlib "script". For instance, on
?X: some NeXT machines, the timestamp put by ranlib is not correct, and this
?X: may raise tedious recompiles for nothing. Therefore, NeXT may add the
?X: ranlib='sleep 5; /bin/ranlib' line in their hints to "fix" that.
?X: (reported by Andreas Koenig <k@franz.ww.tu-berlin.de>)
case "$ranlib" in
:) ranlib=";;
")
ranlib=`./loc ranlib X /usr/bin /bin /usr/local/bin`
$test -f $ranlib || ranlib="
;;
esac
if $test -n "$ranlib"; then
echo "your system has '$ranlib'; we'll use that."
orderlib=false
else
echo "your system doesn't seem to support random libraries"
echo "so we'll use lorder and tsort to order the libraries."
orderlib=true
ranlib=":"
fi
fi
$rm -f foo* bar*

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/orderlib.U
```

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

```
?RCS: $Id: d_dlopen.U,v 3.0.1.2 1995/07/25 13:52:56 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

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```
?RCS: of the source tree for dist 3.0.
```

```

?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_dlopen.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 13:52:56 ram
?RCS: patch56: force compile-link test since symbol might lie in crt0.o (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:34 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_dlopen: Inlibc runnm d_cplusplus ccflags gccversion
?MAKE: -pick add $@ %<
?S:d_dlopen:
?S: This variable conditionally defines the HAS_DLOPEN
symbol, which
?S: indicates to the C program that the dlopen() routine is available.
?S:.
?C:HAS_DLOPEN :
?C: This symbol, if defined, indicates that the dlopen routine is
?C: available.
?C:.
?H:#$d_dlopen HAS_DLOPEN /**/
?H:.
?T: xxx_runnm
?T: xxx_ccflags
?LINT:set d_dlopen
?X: We don't permanently change runnm and ccflags, but we do temporarily.
?LINT: change runnm
?LINT: change ccflags
: see if dlopen exists
?X: On NetBSD and FreeBSD, dlopen is available, but it is in
?X: /usr/lib/crt0.o, not in any of the libraries. Therefore, do not
?X: use the nm extraction, but use a real compile and link test instead.
xxx_runnm="$runnm"
xxx_ccflags="$ccflags"
runnm=false
: with g++ one needs -shared to get is-in-libc to work for dlopen
case "$gccversion" in
") ;;
*Clang*) ;;
*) case "$d_cplusplus" in
"$define") ccflags="$ccflags -shared" ;;
esac
;;
esac
set dlopen d_dlopen
eval $inlibc
runnm="$xxx_runnm"

```

ccflags="\$xxx\_ccflags"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_dlopen.U

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

?RCS: \$Id: i\_sysvfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysvfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysvfs:

?S: This variable conditionally defines the I\_SYSVFS symbol,

?S: and indicates whether a C program should include <sys/vfs.h>.

?S:.

?C:I\_SYS\_VFS:

?C: This symbol, if defined, indicates that <sys/vfs.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysvfs I\_SYS\_VFS /\*\*/

?H:.

?LINT:set i\_sysvfs

: see if this is a sys/vfs.h system

set sys/vfs.h i\_sysvfs

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysvfs.U

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?RCS:

?RCS: \$Log: Extract.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram



```

?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:51:46 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:52 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can be doted in order to extract
?X: .SH files with variable substitutions.
?X:
?X: When running Configure from a remote directory ($src
is not '.'),
?X: then the files will be created in that directory, so beware!
?X:
?MAKE:Extract: Mkdirp src
?MAKE: -pick add $@ %<
?F:./extract
?T:CONFIG SRC dir file
: script used to extract .SH files with variable substitutions
cat >extract <<EOS
CONFIG=true
SRC="$src"
EOS
cat >>extract <<'EOS'
echo "Doing variable substitutions on .SH files..."
if test -f "$SRC/MANIFEST"; then
set x `awk '{print $1}' <$SRC/MANIFEST | grep \.SH`
else
echo "(Looking for .SH files under the source directory.)"
set x `(cd "$SRC"; find . -name "*.SH" -print)`
fi
shift
case $# in
0) set x `(cd "$SRC"; echo *.SH)`; shift;;
esac
if test ! -f "$SRC/$1"; then
shift
fi
for file in $*; do
case "$SRC" in
".")
case "$file" in
*/*)
dir=`expr X$file : 'X\(.*)/'`
file=`expr X$file : 'X.*\^(.*)'`
(cd $dir && . ./file)

```

```

;;
*)
./$file
;;
esac
;;
*)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause
the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X: ../src/Configure -S -O -Dsomething
?X: unfortunately since no new config.sh with the -Dsomething override
?X: will be created before running the .SH files. A minor buglet.
?X:
?X: Note that we must create the directory hierarchy ourselves if it does
?X: not exist already, and that is done through a shell emulation of the
?X: 'mkdir -p' command. We don't want to use the $installdir metaconfig
?X: symbol here since that would require too much to be configured for
?X: this simple extraction task that may happen quickly with 'Configure -S'.
?X: -- RAM, 18/03/96
?X:
case "$file" in
*/*)
dir=`expr X$file : 'X\(.*)/'`
file=`expr X$file : 'X.*\^(.*)'`
./mkdirp $dir
sh <"$SRC/$dir/$file"
;;
*)
sh <"$SRC/$file"
;;
esac
;;
esac
done
if
test -f "$SRC/config_h.SH"; then
if test ! -f config.h; then
?X: oops, they left it out of MANIFEST, probably, so do it anyway.
sh <"$SRC/config_h.SH"
fi
fi
EOS

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Extract.U

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?RCS: \$Id: d\_rusage.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: d\_rusage.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X: We may need to include <sys/resource.h> and <sys/time.h> FIXME

?X:INC: i\_sysresrc i\_systime

?MAKE:d\_rusage: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_rusage (d\_getrusg):

?S: This variable conditionally defines the HAS\_GETRUSAGE symbol, which

?S: indicates that the getrusage() routine exists. The getrusage() routine

?S: supports sub-second accuracy

for process cpu accounting. You may need

?S: to include <sys/resource.h> and <sys/time.h>.

?S:.

?C:HAS\_GETRUSAGE (RUSAGE GETRUSAGE):

?C: This symbol, if defined, indicates that the getrusage() routine is

?C: available to get process statistics with a sub-second accuracy.

?C: Inclusion of <sys/resource.h> and <sys/time.h> may be necessary.

?C:.

?H:#\$d\_rusage HAS\_GETRUSAGE /\*\*/

?H:.

?LINT:set d\_rusage

: see if getrusage exists

set getrusage d\_rusage

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_rusage.U

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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?MAKE:d\_nexttoward: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_nexttoward:  
 ?S: This variable conditionally defines HAS\_NEXTTOWARD if nexttoward()  
 ?S: is available to return the next machine representable long double from  
 ?S: x in direction y.  
 ?S:.  
 ?C:HAS\_NEXTTOWARD:  
 ?C: This symbol, if defined, indicates that the nexttoward routine is  
 ?C: available to return the next machine representable long double from  
 ?C: x in direction y.  
 ?C:.  
 ?H:#\$d\_nexttoward HAS\_NEXTTOWARD /\*\*/  
 ?H:.  
 ?LINT:set d\_nexttoward  
 : see if nexttoward exists  
 set nexttoward d\_nexttoward  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nexttoward.U

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

?RCS: \$Id: Compile.U,v \$  
 ?RCS:  
 ?RCS: Copyright (c) 1998 Andy Dougherty  
 ?RCS:  
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 ?RCS:  
 ?RCS:  
 ?X:  
 ?X: This unit is just a quick shorthand for the compile command  
 ?X: to be used in all the other metaconfig units.  
 ?X:  
 ?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs test  
 ?MAKE: -pick add \$@ %<  
 ?LINT:extern usedevel  
 ?LINT:define compile compile\_ok  
 ?V:compile compile\_ok mc\_file  
 ?S:compile:  
 ?S: This shell variable is used internally by Configure to provide  
 ?S: a convenient shorthand for the typical compile command, namely  
 ?S: \$cc \$optimize \$ccflags \$ldflags -o \$1 \$1.c \$libs > /dev/null 2>&1  
 ?S: Note that the output filename does not include the \_exe

?S: extension. Instead we assume that the linker will be  
 ?S: "helpful" and automatically appending the correct suffix.  
 ?S: OS/2 users  
 will apparently need to supply the -Zexe flag to  
 ?S: get this behavior.  
 ?S:  
 ?S: To use this variable, say something like:  
 ?S: echo 'int main() { exit(0); }' > try.c  
 ?S: set try  
 ?S: if eval \$compile; then  
 ?S: echo "success" # and do whatever . . .  
 ?S: else  
 ?S: echo "failure" # and do whatever . . .  
 ?S: fi  
 ?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them  
 ?S: in \$\*, e.g.  
 ?S: set try -DTRY\_THIS\_FLAG  
 ?S:.  
 ?S:compile\_ok:  
 ?S: This shell variable is used internally by Configure to provide  
 ?S: a convenient shorthand for the typical compile command that you  
 ?S: expect to work ok. It is the same as \$compile, except we  
 ?S: deliberately let the user see any error messages.  
 ?S:.  
 : define a shorthand compile call  
 compile='  
 mc\_file=\$1;  
 shift;  
 case "\$usedevel" in \$define|true|[yY]\*) if \$test ! -f "\${mc\_file}.c"; then  
 echo "Internal Configure script bug - compiler test file \${mc\_file}.c is missing. Please report this to  
 perlbug@perl.org" >&4;  
 exit 1;  
 fi;  
 esac;  
 \$cc -o \${mc\_file}  
 \$optimize \$ccflags \$ldflags \$\* \${mc\_file}.c \$libs > /dev/null 2>&1;  
 : define a shorthand compile call for compilations that should be ok.  
 compile\_ok='  
 mc\_file=\$1;  
 shift;  
 \$cc -o \${mc\_file} \$optimize \$ccflags \$ldflags \$\* \${mc\_file}.c \$libs > /dev/null 2>&1;'

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/Compile.U

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Copyright (c) 2001 Jarkko Hietaniemi  
?RCS:  
?MAKE:run to from targetarch usecrosscompile: src awk cat grep test rm \  
echo sed mkdir cp touch chmod  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:usecrosscompile:  
?S: This variable conditionally defines the USE\_CROSS\_COMPILE symbol,  
?S: and indicates that our package has been cross-compiled.  
?S:.  
?S:run:  
?S: This variable contains the command used by Configure  
?S: to copy and execute a cross-compiled executable in the  
?S: target host. Useful and available only during  
the build.  
?S: Empty string " if not cross-compiling.  
?S:.  
?S:from:  
?S: This variable contains the command used by Configure  
?S: to copy files from the target host. Useful and available  
?S: only during the build.  
?S: The string ':' if not cross-compiling.  
?S:.  
?S:to:  
?S: This variable contains the command used by Configure  
?S: to copy to from the target host. Useful and available  
?S: only during the build.  
?S: The string ':' if not cross-compiling.  
?S:.  
?S:targetarch:  
?S: If cross-compiling, this variable contains the target architecture.  
?S: If not, this will be empty.  
?S:.  
?C:USE\_CROSS\_COMPILE:  
?C: This symbol, if defined, indicates that the package is being  
?C: cross-compiled.  
?C:.  
?C:CROSS\_TARGET\_ARCH:  
?C: This symbol, if defined, indicates the target architecture

```

?C: the package has been cross-compiled to.
?C: Undefined if not a cross-compile.
?C:.
?H:?usecrosscompile:#ifndef USE_CROSS_COMPILE
?H:?usecrosscompile:#$usecrosscompile USE_CROSS_COMPILE /**/
?H:?usecrosscompile:#define
  CROSS_TARGET_ARCH "$targetarch" /**/
?H:?usecrosscompile:#endif
?H:.
?T:croak pwd exe f q i j cwd
?LINT:extern usecrosscompile
?LINT:extern cc
?LINT:extern usrinc
?LINT:change usrinc
?LINT:change ar
?LINT:change nm
?LINT:change ranlib
?LINT:extern targethost
?LINT:extern targetdir
?LINT:change targetdir
?LINT:extern targetuser
?LINT:change targetuser
?LINT:extern targetrun
?LINT:extern targetfrom
?LINT:extern targetto
?LINT:extern targetmkdir
?LINT:change targetrun
?LINT:change targetfrom
?LINT:change targetto
?LINT:change targetmkdir
?LINT:extern incpth
?LINT:extern libpth
?LINT:change incpth
?LINT:change libpth
?LINT:extern locincpth
?LINT:extern loclibpth
?LINT:change locincpth
?LINT:change loclibpth
?LINT:extern TMPDIR
: setup for possible cross-compilation
run="
to=:
from=:
usecrosscompile='undef'
targetarch="
case "$usecrosscompile" in
$define|true|[yY]*)
@if { test -d ../Cross }

```

?X:

?X: Cross-compilation is enabled when there is a 'Cross' directory found

?X: at the root  
of the package. This directory must contain the following

?X: entries for defining the cross-compilation process:

?X:

?X: FIXME FIXME

?X: WE MUST DISTINGUISH BETWEEN LOCAL cross-compiling AND REMOTE ONE

?X: ACTUALLY, REMOTE COMPILATION SHOULD BE CONFIGURED INTERACTIVELY

?X: IT WILL COPY ALL THE FILES FROM THE MANIFEST DOWN TO THE REMOTE DIR...

?X: (and copy things like 'mkdep', etc...)

?X:

```

$echo "Cross-compiling..."
croak=""
case "$cc" in
*-*-gcc)
?X: A cross-compiling gcc, probably.
    targetarch=`$echo $cc|$sed 's/-gcc$//'^
    ar=$targetarch-ar
?X: leave out ld, choosing it is more complex
    nm=$targetarch-nm
    ranlib=$targetarch-ranlib
    $echo 'extern int foo;' > try.c
    set X ` $cc -v -E try.c 2>&1 | \
$awk '/^#include </,/^End of search /|$grep '/include'^
    shift
if $test $# -gt 0; then
    incpth="$incpth $*"
    incpth="$echo $incpth|$sed 's/^ //'^
    echo "Guessing incpth '$incpth'." >&4
    for i in $*; do
        j="$echo $i|$sed 's,/include$,/lib,/^
        if
$test -d $j; then
            libpth="$libpth $j"
        fi
    done
    libpth="$echo $libpth|$sed 's/^ //'^
    echo "Guessing libpth '$libpth'." >&4
    fi
    $rm -f try.c
    ;;
esac
case "$targetarch" in
") echo "Targetarch not defined." >&4; croak=y ;;
*) echo "Using targetarch $targetarch." >&4 ;;
esac
case "$incpth" in

```



```

") echo "Incpth not defined." >&4; croak=y ;;
*) echo "Using incpth '$incpth.'" >&4 ;;
esac
case "$libpth" in
") echo "Libpth not defined." >&4; croak=y ;;
*) echo "Using libpth '$libpth.'" >&4 ;;
esac
case "$usrinc" in
")
for i in $incpth; do
if $test -f $i/errno.h -a -f $i/stdio.h -a -f $i/time.h; then
usrinc=$i
echo "Guessing usrinc $usrinc." >&4
break
fi
done
case "$usrinc" in
") echo "Usrinc not defined." >&4; croak=y ;;
esac
;;
*) echo "Using usrinc $usrinc." >&4 ;;
esac
case "$targethost" in
") echo "Targethost not defined." >&4; croak=y ;;
*) echo "Using targethost $targethost."
>&4
esac
locincpth=' '
loclibpth=' '
case "$croak" in
y) echo "Cannot continue, aborting." >&4; exit 1 ;;
esac
case "$src" in
/*) run=$src/Cross/run
targetmkdir=$src/Cross/mkdir
to=$src/Cross/to
from=$src/Cross/from
;;
*) pwd=`$test -f ../Configure & cd ..; pwd`
run=$pwd/Cross/run
targetmkdir=$pwd/Cross/mkdir
to=$pwd/Cross/to
from=$pwd/Cross/from
;;
esac
case "$targetrun" in
") targetrun=ssh ;;
esac

```

```

case "$targetto" in
") targetto=scp ;;
esac
case "$targetfrom" in
") targetfrom=scp ;;
esac
run=$run-$targetrun
to=$to-$targetto
from=$from-$targetfrom
case "$targetdir" in
")
targetdir="{TMPDIR:-/tmp}"
echo "Guessing targetdir $targetdir." >&4
;;
esac
case "$targetuser" in
")
targetuser=root
echo "Guessing targetuser $targetuser." >&4
;;
esac
case "$targetfrom" in
scp) q=-q ;;
*) q=" ;;
esac
case "$targetrun" in
ssh|rsh)
$cat >$run <<EOF
#!/bin/sh
case "\$1" in
-cwd)
shift
cwd=\$1
shift
;;
esac
case "\$cwd" in
") cwd=$targetdir ;;
esac
exe=\$1
shift
if $test ! -f \$exe.xok; then
$to \$exe
$touch \$exe.xok
fi
$targetrun -l $targetuser $targethost "cd \$cwd && ./$exe \$@"
EOF
;;

```

```

*) echo "Unknown targetrun '$targetrun'" >&4
  exit 1
  ;;
esac
case "$targetmkdir" in
*/Cross/mkdir)
  $cat >$targetmkdir <<EOF
#!/bin/sh
$targetrun -l $targetuser $targethost "mkdir -p \${@"
EOF
  $chmod a+rx $targetmkdir
  ;;
*) echo "Unknown targetmkdir '$targetmkdir'" >&4
  exit 1
  ;;
esac
case "$targetto" in
scp|rcp)
  $cat >$to <<EOF
#!/bin/sh
for f in \${@"
do
  case "\${f}" in
/*)
  $targetmkdir \dirname \${f}\
  $targetto $q \${f} $targetuser@$targethost:\${f} || exit 1
  ;;
*)
  $targetmkdir $targetdir/\dirname \${f}\
  $targetto $q \${f} $targetuser@$targethost:$targetdir/\${f} || exit 1
  ;;
esac
done
exit 0
EOF
  ;;
cp) $cat >$to <<EOF
#!/bin/sh
for f in \${@"
do
  case "\${f}" in
/*)
  $mkdir -p $targetdir/\dirname
\${f}\
  $cp \${f} $targetdir/\${f} || exit 1
  ;;
*)
  $targetmkdir $targetdir/\dirname \${f}\

```

```

    $cp \f $targetdir/\f || exit 1
    ;;
esac
done
exit 0
EOF
    ;;
*) echo "Unknown targetto '$targetto'" >&4
    exit 1
    ;;
esac
case "$targetfrom" in
scp|rcp)
    $cat >$from <<EOF
#!/bin/sh
for f in \f@
do
    $rm -f \f
    $targetfrom $q $targetuser@$targethost:$targetdir/\f . || exit 1
done
exit 0
EOF
    ;;
cp) $cat >$from <<EOF
#!/bin/sh
for f in \f@
do
    $rm -f \f
    cp $targetdir/\f . || exit 1
done
exit 0
EOF
    ;;
*) echo "Unknown targetfrom '$targetfrom'" >&4
    exit 1
    ;;
esac
if $test ! -f $run; then
    echo "Target 'run' script '$run' not found." >&4
else
    $chmod a+rx $run
fi
if $test ! -f $to; then
    echo "Target 'to' script '$to' not found." >&4
else
    $chmod a+rx $to
fi
if $test ! -f $from; then

```

```

    echo "Target 'from' script '$from' not found." >&4
else
    $chmod a+rx $from
fi
if $test ! -f $run -o ! -f $to -o !
-f $from; then
    exit 1
fi
$cat >&4 <<EOF
Using '$run' for remote execution,
and '$from' and '$to'
for remote file transfer.
EOF
@else
echo "Cross-compilation is not supported for this package." >&4
exit 1
@end
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Cross.U
```

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: sizetype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:32:10 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:sizetype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:sizetype:

?S: This variable defines sizetype to be something like size\_t,

?S: unsigned long, or whatever type is used to declare length

?S: parameters for string functions.

?S:.

```

?C:Size_t:
?C: This symbol holds the type used to declare length parameters
?C: for string
functions. It is usually size_t, but may be
?C: unsigned long, int, etc. It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Size_t $sizetype /* length paramater for string functions */
?H:.
: see what type is used for size_t
set size_t sizetype 'unsigned int' stdio.h sys/types.h
eval $typedef
dflt="$sizetype"
echo " "
rp="What type is used for the length parameter for string functions?"
. ./myread
sizetype="$ans"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sizetype.U

```

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```

?RCS: $Id: d_endpent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endpent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endpent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endpent:
?S: This variable conditionally defines HAS_ENDPROTOENT if endprotoent() is
?S: available to close whatever was being used for protocol queries.
?S:.
?C:HAS_ENDPROTOENT:
?C: This symbol, if defined, indicates that the endprotoent() routine is
?C: available to close whatever was being used
for protocol queries.
?C:.

```

?H:#\$d\_endpent HAS\_ENDPROTOENT /\*\*/

?H:.

?LINT:set d\_endpent

: see if endprotoent exists

set endprotoent d\_endpent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_endpent.U

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?RCS: \$Id: d\_gethostbyname\_r.U,v 0RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_gethostbyname\_r gethostbyname\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_gethostbyname\_r:

?S: This variable conditionally defines the HAS\_GETHOSTBYNAME\_R symbol,

?S: which indicates to the C program that the gethostbyname\_r()

?S: routine is available.

?S:.

?S:gethostbyname\_r\_proto:

?S: This variable encodes the prototype of gethostbyname\_r.

?S: It is zero if d\_gethostbyname\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostbyname\_r

?S: is defined.

?S:.

?C:HAS\_GETHOSTBYNAME\_R:

?C: This symbol, if defined, indicates

that the gethostbyname\_r routine

?C: is available to gethostbyname re-entrantly.

?C:.

?C:GETHOSTBYNAME\_R\_PROTO:

?C: This symbol encodes the prototype of gethostbyname\_r.

?C: It is zero if d\_gethostbyname\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostbyname\_r

?C: is defined.

?C:.

?H:#\$d\_gethostbyname\_r HAS\_GETHOSTBYNAME\_R /\*\*/

?H:#define GETHOSTBYNAME\_R\_PROTO \$gethostbyname\_r\_proto /\*\*/

?H:.

```

?T:try hdrs d_gethostbyname_r_proto
: see if gethostbyname_r exists
set gethostbyname_r d_gethostbyname_r
eval $inlibc
case "$d_gethostbyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_gethostbyname_r_proto:$usetreads" in
":define") d_gethostbyname_r_proto=define
set d_gethostbyname_r_proto gethostbyname_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_gethostbyname_r_proto" in
define)
case "$gethostbyname_r_proto" in
"|0) try='int gethostbyname_r(const char*, struct hostent*, char*, size_t, struct
hostent**, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyname_r_proto=I_CSBWRE ;;
esac
case "$gethostbyname_r_proto" in
"|0) try='struct hostent* gethostbyname_r(const char*, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyname_r_proto=S_CSBIE ;;
esac
case "$gethostbyname_r_proto" in
"|0) try='int gethostbyname_r(const char*, struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostbyname_r_proto=I_CSD ;;
esac
case "$gethostbyname_r_proto" in
"|0) d_gethostbyname_r=undef
gethostbyname_r_proto=0
echo "Disabling gethostbyname_r, cannot determine prototype." >&4 ;;
* ) case "$gethostbyname_r_proto" in
REENTRANT_PROTO*) ;;
*) gethostbyname_r_proto="REENTRANT_PROTO_$gethostbyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetreads" in
define) echo "gethostbyname_r has no prototype, not using it." >&4 ;;
esac
d_gethostbyname_r=undef
gethostbyname_r_proto=0
;;
esac
;;
*) gethostbyname_r_proto=0

```



```
;;
esac
```

## Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_gethostbyname_r.U
```

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?RCS:

?MAKE:siteman3dir siteman3direxp installsiteman3dir: Getfile \

Setprefixvar prefix siteprefix man3dir sed

?MAKE: -pick add \$@ %<

?Y:TOP

?D:siteman3dir="

?S:siteman3dir:

?S: This variable contains the name of the directory in which site-specific

?S: library man source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S: The standard distribution will put nothing in this directory.

?S: After

perl has been installed, users may install their own local

?S: man3 pages in this directory with

?S: MakeMaker Makefile.PL

?S: or equivalent. See INSTALL for details.

?S:.

?D:siteman3direxp="

?S:siteman3direxp:

?S: This variable is the same as the siteman3dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installsiteman3dir="

?S:installsiteman3dir:

?S: This variable is really the same as siteman3direxp, unless you are using

?S: AFS in which case it points to the read/write location whereas

?S: man3direxp only points to the read-only access location. For extra

?S: portability, you should only use this variable within your makefiles.

?S:.

```

?LINT:change prefixvar
?LINT:set installsiteman3dir
?LINT:set siteman3dir
?LINT:set siteman3direxp
: determine where add-on library man pages go
case "$siteman3dir" in
") dflt=`echo $man3dir | $sed "s#^$prefix#$siteprefix#"` ;;
*) dflt=$siteman3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname
where the site-specific library manual pages should be installed?'
./getfile
prefixvar=siteman3dir
./setprefixvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/siteman3dir.U

```

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?RCS:

?MAKE:uidformat: uidsize uidsign ivsize uvsize longsize intsize shortsize \  
ivdformat uvuformat test echo

?MAKE: -pick add \$@ %<

?S:uidformat:

?S: This variable contains the format string used for printing a Uid\_t.

?S:.

?C:Uid\_t\_f:

?C: This symbol defines the format string used for printing a Uid\_t.

?C:.

?H:#define Uid\_t\_f \$uidformat /\*\*/

?H:.

: Check format string for UID

echo " "

\$echo "Checking the format string to be used for uids..." >&4

case "\$uidsign" in

-1) if \$test X"\$uidsize" = X"\$ivsize"; then

```

uidformat="$ivdformat"
else
if $test X"$uidsizsize" = X"$longsize"; then
uidformat="ld"
else
if $test X"$uidsizsize" = X"$sintsize"; then
uidformat="d"
else
if $test X"$uidsizsize"
= X"$shortsize"; then
uidformat="hd"
fi
fi
fi
fi
;;
*) if $test X"$uidsizsize" = X"$suvsize"; then
uidformat="$suvuformat"
else
if $test X"$uidsizsize" = X"$longsize"; then
uidformat="lu"
else
if $test X"$uidsizsize" = X"$sintsize"; then
uidformat="u"
else
if $test X"$uidsizsize" = X"$shortsize"; then
uidformat="hu"
fi
fi
fi
fi
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uidf.U
```

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

```
?RCS: $Id: vendorman3dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999-2000, Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```

?RCS:
?RCS: $Log: vendorman3dir.U,v $
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
?RCS: Initial revision
?RCS:
?MAKE:vendorman3dir vendorman3direxp installvendorman3dir: man3dir Getfile \
  Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed
?MAKE: -pick add $@ %<
?Y:TOP
?S:vendorman3dir:
?S: This variable contains the name of the directory for man3
?S: pages. It may have a ~ on the front.
?S: The standard distribution will put nothing in this directory.
?S: Vendors
  who distribute perl may wish to place their own
?S: man3 pages in this directory with
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor
?S: or equivalent. See INSTALL for details.
?S:.
?S:vendorman3direxp:
?S: This variable is the ~name expanded version of vendorman3dir, so that you
?S: may use it directly in Makefiles or shell scripts.
?S:.
?D:installvendorman3dir="
?S:installvendorman3dir:
?S: This variable is really the same as vendorman3direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorman3dir
: Set the vendorman3dir variables
case "$vendorprefix" in
") vendorman3dir="
  vendorman3direxp="
  ;;
*) : determine where vendor-supplied module manual pages go.
  case "$vendorman3dir" in
  ") dflt=`echo "$man3dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
  *) dflt=$vendorman3dir ;;
  esac
case "$dflt" in
"|' ) dflt=none ;;
  esac
fn=nd~+
rp='Pathname
for the vendor-supplied manual section 3 pages?'
. ./getfile

```

```

vendorman3dir="$ans"
vendorman3direxp="$ansexp"
;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorman3dir" = "X" && vendorman3dir=' '
prefixvar=vendorman3dir
. ./installprefix

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorman3dir.U

```

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:fflushNULL fflushall: Compile cat rm rm\_try test osname run to from \

Oldconfig Myread Setvar echo targethost \

d\_sysconf i\_unistd d\_stdio\_stream\_array stdio\_stream\_array i\_stdlib

?MAKE: -pick add \$@ %<

?S:fflushNULL:

?S: This symbol, if defined, tells that fflush(NULL) correctly

?S: flushes all pending stdio output without side effects. In

?S: particular, on some platforms calling fflush(NULL) \*still\*

?S: corrupts STDIN if it is a pipe.

?S:.

?S:fflushall:

?S: This symbol, if defined, tells that to flush

?S: all

pending stdio output one must loop through all

?S: the stdio file handles stored in an array and fflush them.

?S: Note that if fflushNULL is defined, fflushall will not

?S: even be probed for and will be left undefined.

?S:.

?C:FFLUSH\_NULL:

?C: This symbol, if defined, tells that fflush(NULL) correctly

?C: flushes all pending stdio output without side effects. In

?C: particular, on some platforms calling fflush(NULL) \*still\*

?C: corrupts STDIN if it is a pipe.

?C:.

```

?C:FFLUSH_ALL:
?C: This symbol, if defined, tells that to flush
?C: all pending stdio output one must loop through all
?C: the stdio file handles stored in an array and fflush them.
?C: Note that if fflushNULL is defined, fflushall will not
?C: even be probed for and will be left undefined.
?C:.
?H:#$fflushNULL FFLUSH_NULL /**/
?H:#$fflushall FFLUSH_ALL /**/
?H:.
?T:output code
?F:!try.out !try !tryp
: Check how to flush
echo " "
$cat >&4 <<EOM
Checking how to flush all pending stdio output...
EOM
# I only know how to find
  the first 32 possibly open files on SunOS.
# See also hints/sunos_4_1.sh and util.c --AD
case "$osname" in
sunos) $echo '#define PERL_FFLUSH_ALL_FOPEN_MAX 32' > try.c ;;
esac
$cat >>try.c <<EOCP
#include <stdio.h>
#if !defined I_STDLIB
#include <stdlib.h>
#endif
#if !defined I_UNISTD
#include <unistd.h>
#endif
#ifdef HAS_SYSCONF
#define HAS_STDIO_STREAM_ARRAY
#endif
#define STDIO_STREAM_ARRAY $stdio_stream_array
#endif
int main() {
FILE* p;
unlink("try.out");
p = fopen("try.out", "w");
#ifdef TRY_FPUTC
fputc('x', p);
#else
#ifdef TRY_FPRINTF
fprintf(p, "x");
#endif
#endif
}

```

```

#endif
#ifdef TRY_FFLUSH_NULL
    fflush(NULL);
#endif
#ifdef TRY_FFLUSH_ALL
    {
        long open_max = -1;
#ifdef PERL_FFLUSH_ALL_FOPEN_MAX
        open_max = PERL_FFLUSH_ALL_FOPEN_MAX;
#else
        # if defined(HAS_SYSCONF) && defined(_SC_OPEN_MAX)
            open_max = sysconf(_SC_OPEN_MAX);
        # else
        #  ifdef FOPEN_MAX
            open_max = FOPEN_MAX;
        #  else
        #
            #ifdef OPEN_MAX
                open_max = OPEN_MAX;
            # else
            #  ifdef _NFILE
                open_max = _NFILE;
            #  endif
        #  endif
        #  endif
        #  endif
        #  endif
#ifdef HAS_STDIO_STREAM_ARRAY
        if (open_max > 0) {
            long i;
            for (i = 0; i < open_max; i++)
                if (STDIO_STREAM_ARRAY[i]._file >= 0 &&
                    STDIO_STREAM_ARRAY[i]._file < open_max &&
                    STDIO_STREAM_ARRAY[i]._flag)
                    fflush(&STDIO_STREAM_ARRAY[i]);
        }
    }
#endif
#endif
    _exit(42);
}
EOCP
: first we have to find out how _not_ to flush
$to try.c
if $test "X$fflushNULL" = X -o "X$fflushall" = X; then
    output="
    set try -DTRY_FPUTC
    if eval $compile; then

```

```

$run ./try 2>/dev/null
code="$?"
$from try.out
if $test ! -s try.out -a "X$code" = X42; then
output=-DTRY_FPUTC
fi
fi
case "$output" in
")
set try -DTRY_FPRINTF
if eval $compile; then
$run ./try 2>/dev/null
code="$?"
$from try.out
if $test ! -s try.out -a "X$code" = X42; then
output=-DTRY_FPRINTF

fi
fi
;;
esac
fi
: check for fflush NULL behavior
case "$fflushNULL" in
") set try -DTRY_FFLUSH_NULL $output
if eval $compile; then
$run ./try 2>/dev/null
code="$?"
$from try.out
if $test -s try.out -a "X$code" = X42; then
fflushNULL="$cat try.out`"
else
if $test "X$code" != X42; then
$cat >&4 <<EOM
(If this test failed, don't worry, we'll try another method shortly.)
EOM
fi
fi
fi
$rm -f core try.core core.try.*
case "$fflushNULL" in
x) $cat >&4 <<EOM
Your fflush(NULL) works okay for output streams.
Let's see if it clobbers input pipes...
EOM
# As of mid-March 2000 all versions of Solaris appear to have a stdio
# bug that improperly flushes the input end of pipes. So we avoid the
# autoflush on fork/system/exec support for now. :(

```



```

$cat >tryp.c <<EOCP
#include <stdio.h>
int
main(int argc, char **argv)
{
    char buf[1024];
    int i;
    char *bp = buf;
    while (1) {
while ((i = getc(stdin)) != -1
        && (*bp++ = i) != '\n'

        && bp < &buf[1024])
/* DO NOTHING */;
*bp = '\0';
fprintf(stdout, "%s", buf);
fflush(NULL);
if (i == -1)
    return 0;
bp = buf;
    }
}
EOCP
fflushNULL="$define"
set tryp
if eval $compile; then
    $rm -f tryp.out
    # Copy the .c file to the remote host ($to is an ssh-alike if targethost is set)
    if $test "X$targethost" != X; then
$to tryp.c
$to tryp
$run "cat tryp.c | ./tryp " 2>/dev/null > tryp.out
    else
$cat tryp.c | $run ./tryp 2>/dev/null > tryp.out
    fi
    if cmp tryp.c tryp.out >/dev/null 2>&1; then
        $cat >&4 <<EOM
fflush(NULL) seems to behave okay with input streams.
EOM
        fflushNULL="$define"
        else
$cat >&4 <<EOM
Ouch, fflush(NULL) clobbers input pipes! We will not use it.
EOM
        fflushNULL="$undef"
        fi
    fi
$rm -f core tryp.c tryp.core core.tryp.*

```

```
;;
") $cat >&4 <<EOM
Your fflush(NULL) isn't working (contrary to ANSI C).
EOM
```

```
fflushNULL="$undef"
```

```
;;
```

```
*) $cat >&4 <<EOM
```

Cannot figure out whether  
your fflush(NULL) works or not.

I'm assuming it doesn't (contrary to ANSI C).

```
EOM
```

```
fflushNULL="$undef"
```

```
;;
```

```
esac
```

```
;;
```

```
$define|true|[yY]*)
```

```
fflushNULL="$define"
```

```
;;
```

```
*)
```

```
fflushNULL="$undef"
```

```
;;
```

```
esac
```

: check explicit looping only if NULL did not work, and if the pipe

: bug does not show up on an explicit flush too

```
case "$fflushNULL" in
```

```
"$undef")
```

```
$cat >tryp.c <<EOCP
```

```
#include <stdio.h>
```

```
int
```

```
main(int argc, char **argv)
```

```
{
```

```
    char buf[1024];
```

```
    int i;
```

```
    char *bp = buf;
```

```
    while (1) {
```

```
while ((i = getc(stdin)) != -1
```

```
    && (*bp++ = i) != '\n'
```

```
    && bp < &buf[1024])
```

```
/* DO NOTHING */ ;
```

```
*bp = '\0';
```

```
fprintf(stdout, "%s", buf);
```

```
fflush(stdin);
```

```
if (i == -1)
```

```
    return 0;
```

```
bp = buf;
```

```
}
```

```
}
```

```
EOCP
```

```

set tryp
if eval $compile; then
    $rm -f tryp.out
    if $test "X$targethost" != X; then
$to tryp.c
$to tryp
$run "cat tryp.c | ./tryp " 2>/dev/null > tryp.out
    else
$cat tryp.c | $run ./tryp 2>/dev/null > tryp.out
    fi
    if cmp tryp.c tryp.out >/dev/null 2>&1;
then
    $cat >&4 <<EOM

```

Good, at least fflush(stdin) seems to behave okay when stdin is a pipe.

EOM

```

: now check for fflush behaviour
case "$fflushall" in
") set try -DTRY_FFLUSH_ALL $output
if eval $compile; then
    $cat >&4 <<EOM

```

(Now testing the other method--but note that this also may fail.)

EOM

```

$run ./try 2>/dev/null
code=$?
$from tryp.out
if $test -s tryp.out -a "X$code" = X42; then
    fflushall=""`$cat tryp.out` "
fi
fi
$rm_try
case "$fflushall" in
x) $cat >&4 <<EOM

```

Whew. Flushing explicitly all the stdio streams works.

EOM

```

fflushall="$define"
;;
") $cat >&4 <<EOM

```

Sigh. Flushing explicitly all the stdio streams doesn't work.

EOM

```

fflushall="$undef"
;;
*) $cat >&4 <<EOM

```

Cannot figure out whether flushing stdio streams explicitly works or not.

I'm assuming it doesn't.

EOM

```

fflushall="$undef"
;;
esac

```

```

;;
"$define"|true|[yY]*)
fflushall="$define"
;;
*)
fflushall="$undef"
;;
esac

else
$cat >&4 <<EOM
All is futile. Even fflush(stdin) clobbers input pipes!
EOM
fflushall="$undef"
fi
else
fflushall="$undef"
fi
$rm -f core tryp.c tryp.core core.tryp.*
;;
*) fflushall="$undef"
;;
esac

```

```

case "$fflushNULL$fflushall" in
undefundef)
$cat <<EOM
OK, I give up. I cannot figure out how to flush pending stdio output.
We won't be flushing handles at all before fork/exec/popen.
EOM
;;
esac
$rm_try tryp

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/fflushall.U
```

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```
?RCS: $Id: d_symlink.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```
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```

```
?RCS: of the source tree for dist 4.0.
```

?RCS:  
?RCS: \$Log: d\_symlink.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:41 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_symlink: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_symlink:  
?S: This variable conditionally defines the HAS\_SYMLINK symbol, which  
?S: indicates to the C program that the symlink() routine is available  
?S: to create symbolic links.  
?S:.  
?C:HAS\_SYMLINK (SYMLINK):  
?C: This symbol, if defined, indicates that the symlink routine is available  
?C: to  
create symbolic links.  
?C:.  
?H:#\$d\_symlink HAS\_SYMLINK /\*\*/  
?H:.  
?LINT:set d\_symlink  
: see if symlink exists  
set symlink d\_symlink  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_symlink.U

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?RCS:  
?MAKE:i\_stdint: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_stdint:  
?S: This variable conditionally defines the I\_STDINT symbol, which  
?S: indicates to the C program that <stdint.h> exists and should  
?S: be included.  
?S:.  
?C:I\_STDINT:  
?C: This symbol, if defined, indicates that <stdint.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_stdint I\_STDINT /\*\*/  
?H:.  
?LINT:set i\_stdint  
: see if stdint is available  
set stdint.h i\_stdint

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_stdint.U

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

?RCS: \$Id: End.U,v 3.0 1993/08/18 12:04:51 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: End.U,v \$

?RCS: Revision 3.0 1993/08/18 12:04:51 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit serves as the goal which forces make to choose all the units that

?X: ask questions. The \$W on the ?MAKE: line is the list of all symbols wanted.

?X: To force any unit to be included, copy this unit to your private U directory

?X: and add the name of the unit desired to the ?MAKE: dependency line.

?X:

?MAKE:End perllibs: \$W cppstdin gzip zip

libs usedl osname osvers

?MAKE: -pick add \$@ %<

?S:perllibs:

?S: The list of libraries needed by Perl only (any libraries needed

?S: by extensions only will be dropped, if using dynamic loading).

?S:.

?INIT:perllibs="

?LINT:use \$W

?LINT:use gzip zip

?LINT:change cppstdin

: Remove libraries needed only for extensions

: The appropriate ext/Foo/Makefile.PL will add them back in, if necessary.

: The exception is SunOS 4.x, which needs them.

case "\${osname}X\${osvers}" in

sunos\*X4\*)

perllibs="\$libs"

;;

\*) case "\$usedl" in

\$define|true|[yY]\*)

set X `echo " \$libs " | sed -e 's@ -lndbm @ @' -e 's@ -lgdbm @ @' -e 's@ -lgdbm\_compat @ @' -e 's@ -ldbm @

```

@' -e 's@ -ldb @ @`
  shift
  perllibs="$*"
  ;;
*) perllibs="$libs"
  ;;
esac
;;
esac

```

?X: If the user has the cppstdIn wrapper, perl.c will try to call  
?X: CPPSTDIN, but that will point to a location in the build  
?X: directory, not the installed version!. Here, we'll just strip the  
?X: name down to 'cppstdIn',  
and rely on the fact that perl.c will  
?X: then call SCRIPTDIR/cppstdIn, but local things like 'make depend'  
?X: will continue to work.

: Remove build directory name from cppstdIn so it can be used from  
: either the present location or the final installed location.

echo " "

: Get out of the UU directory to get correct path name.

cd ..

case "\$cppstdIn" in

`pwd`/cppstdIn)

echo "Stripping down cppstdIn path name"

cppstdIn=cppstdIn

;;

esac

cd UU

: end of configuration questions

echo " "

echo "End of configuration questions."

echo " "

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/End.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fpgetround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fpgetround:

?S: This variable conditionally defines HAS\_FPGETROUND if fpgetround()

?S: is available to get the floating point rounding mode.

?S:.

?C:HAS\_FPGETROUND:

?C: This symbol, if defined, indicates that the fpgetround routine is

?C: available to get the floating point rounding mode.

?C:.

?H:#\$d\_fpgetround HAS\_FPGETROUND /\*\*/

?H:.

?LINT:set d\_fpgetround

: see if fpgetround exists

set fpgetround d\_fpgetround

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fpgetround.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_unsetenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_unsetenv:

?S: This variable conditionally defines the HAS\_UNSETENV symbol, which

?S: indicates to the C program that the unsetenv () routine is available.

?S:.

?C:HAS\_UNSETENV:

?C: This symbol, if defined, indicates that the unsetenv () routine is

?C: available for use.

?C:.

?H:#\$d\_unsetenv HAS\_UNSETENV /\*\*/

?H:.

?LINT:set d\_unsetenv

: see if unsetenv exists

set unsetenv d\_unsetenv

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_unsetenv.U

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

?RCS: \$Id\$

?RCS:



```

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?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 16:30:04 ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 07:07:02 ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so: test libpth Loc Myread Oldconfig cat
?MAKE: -pick add $@ %<
?S:so:
?S: This variable holds the extension used to identify
shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?T: xxx
: compute shared library extension
case "$so" in
")
if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
dflt='sl'
else
dflt='so'
fi
;;
*) dflt="$so";;
esac
$cat <<EOM

```

On some systems, shared libraries may be available. Answer 'none' if you want to suppress searching of shared libraries for the remainder of this configuration.

```

EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/so.U

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?RCS:

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?RCS:

?RCS: \$Log: man3dir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:10:34 ram

?RCS: patch61: created

?RCS:

?X:

?X: This was originally specific to perl5. Since perl5 has man pages that

?X: go in both man1/ and man3/ directories, we need both man1dir

?X: and man3dir. This unit is basically dist's mansrc.U with

?X: man3 used instead of man everywhere.

?X: I then added various tests because perl5 has \*lots\* of man3

?X: pages with long file names. -- ADO

?X:

?MAKE:man3dir

man3direxp man3ext installman3dir: afs cat nroff Loc Oldconfig \  
sed man1dir spackage package Getfile prefix Prefixit Prefixup \  
d\_flexfnam privlib Myread

?MAKE: -pick add \$@ %<

?Y:TOP

?S:man3dir:

?S: This variable contains the name of the directory in which manual

?S: source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S:.

?S:man3direxp:

?S: This variable is the same as the man3dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?S:installman3dir:

?S: This variable is really the same as man3direxp, unless you are using

?S: AFS in which case it points to the read/write location whereas

?S: man3direxp only points to the read-only access location. For extra  
 ?S: portability, you should only use this variable within your makefiles.  
 ?S:.  
 ?S:man3ext:  
 ?S: This variable contains the extension that the manual  
 page should  
 ?S: have: one of 'n', 'l', or '3'. The Makefile must supply the '!'.  
 ?S: See man3dir.  
 ?S:.  
 : determine where library module manual pages go  
 set man3dir man3dir none  
 eval \$prefixit  
 \$cat <<EOM

\$spackage has manual pages for many of the library modules.

EOM

case "\$nroff" in

nroff)

\$cat <<'EOM'

However, you don't have nroff, so they're probably useless to you.

EOM

case "\$man3dir" in

") man3dir="none";;

esac;;

esac

case "\$d\_flexfnam" in

undef)

\$cat <<'EOM'

However, your system can't handle the long file names like File::Basename.3.

EOM

case "\$man3dir" in

") man3dir="none";;

esac;;

esac

echo "If you don't want the manual sources installed, answer 'none'."

?X: We dont use /usr/local/man/man3 because some man programs will

?X: only show the /usr/local/man/man3 contents, and not the system ones,

?X: thus man less will show the perl module less.pm, but not the system

?X: less command. We might also conflict with TCL man pages.

?X: However, something like /opt/perl/man/man3

is fine.

case "\$man3dir" in

") case "\$prefix" in

\*\$package\*) dflt=`echo \$man1dir |

\$sed -e 's/man1/man3/g' -e 's/man\./1/man\./3/g'` ;;

```

*) dflt="$privlib/man/man3" ;;
esac
;;
') dflt=none;;
*) dflt="$man3dir" ;;
esac
echo " "

fn=dn+~
rp="Where do the $package library man pages (source) go?"
./getfile
if test "X$man3direxp" != "X$ansexp"; then
installman3dir="
fi

man3dir="$ans"
man3direxp="$ansexp"
case "$man3dir" in
") man3dir=' '
installman3dir="";;
esac
if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installman3dir" in
") dflt=`echo $man3direxp | sed 's#^/afs/#/afs/.#`";;
*) dflt="$installman3dir";;
esac
fn=de~
rp='Where will man pages be installed?'
./getfile
installman3dir="$ans"
else
installman3dir="$man3direxp"
fi

```

: What suffix  
to use on installed man pages

```

case "$man3dir" in
')
man3ext='0'
;;

```

```

*)
rp="What suffix should be used for the $package library man pages?"
case "$man3ext" in
") case "$man3dir" in
*3) dflt=3 ;;
*3p) dflt=3p ;;
*3pm) dflt=3pm ;;
*1) dflt=1;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L3) dflt=L3;;
*) dflt=3;;
esac
;;
*) dflt="$man3ext";;
esac
./myread
man3ext="$ans"
;;
esac

```

Found in path(s):

```

*/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/man3dir.U

```

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?RCS:

?MAKE:d\_lgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lgamma:

?S: This variable conditionally defines the HAS\_LGAMMA symbol, which

?S: indicates to the C program that the lgamma() routine is available

?S: for the log gamma function. See also d\_tgamma and d\_lgamma\_r.

?S:.

?C:HAS\_LGAMMA:

?C: This symbol, if defined, indicates that the lgamma routine is

?C: available to do the log gamma function. See also HAS\_TGAMMA and

?C: HAS\_LGAMMA\_R.

?C:.

?H:#\$d\_lgamma HAS\_LGAMMA /\*\*/

?H:.

?LINT:set d\_lgamma

: see if lgamma exists

```
set lgamma d_lgamma
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_lgamma.U
```

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?RCS:

?RCS: \$Log: Init.U,v \$

?RCS: Revision 3.0.1.1 1994/10/31 09:45:59 ram

?RCS: patch44: removed Options from MAKE to prevent Init overrides

?RCS: patch44: option processing now done after Myinit thanks to new Begin.U

?RCS: patch44: moved "Beginning of configuration questions" to Begin.U

?RCS: patch44: moved signal trapping instruction to Begin.U as well

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file initializes certain default variables

used by Configure. They

?X: may be overridden or added to by definitions in Myinit.U.

?X:

?MAKE:Init eunicefix \_exe: Null

?MAKE: -pick add \$@ %<

?MAKE: -pick weed \$@ ./Init

?S:eunicefix:

?S: When running under Eunice this variable contains a command which will

?S: convert a shell script to the proper form of text file for it to be

?S: executable by the shell. On other systems it is a no-op.

?S:.

?S:\_exe (exe\_ext):

?S: This variable defines the extension used for executable files.

?S: For unix it is empty. Other possible values include '.exe'.

?S: DJGPP, Cygwin and OS/2 use '.exe'. Stratus VOS uses '.pm'.

?S: On operating systems which do not require a specific extension

?S: for executable files, this variable is empty.

?S:.

```
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X:
everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?T: DJGPP
: Initialize wide constants
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=""
```

```
: We must find out about Eunice early
eunicefix=':'
if test -f /etc/unixtovms; then
eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
eunicefix=/etc/unixtovms.exe
fi
```

```
: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
: Amiga OS
_exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
_exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
_exe=".exe"
elif test -d c:/.; then
: OS/2 or cygwin
_exe=".exe"
else
: All other UNIX systems
_exe=""
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Init.U
```

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?RCS:  
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?RCS: of the source tree for dist 3.0.  
?X:  
?X: Useless unit dropped. Use randfunc instead.  
?X:  
?LINT:empty

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/randbits.U

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_voidsig.U,v \$  
?RCS: Revision 3.0.1.3 1995/05/12 12:12:46 ram  
?RCS: patch54: made cppflags dependency optional  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:20:35 ram  
?RCS: patch32: now sets signal\_t only once d\_voidsig is known (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/06/20 06:59:54 ram  
?RCS: patch30: now properly sets signal\_t when re-using previous value  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:56 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_voidsig signal\_t: rm contains  
cppstdin cppminus +cppflags test Myread \  
Oldconfig Setvar Findhdr  
?MAKE: -pick add \$@ %<  
?S:d\_voidsig:  
?S: This variable conditionally defines VOIDSIG if this system



?S: declares "void (\*signal(...))()" in signal.h. The old way was to  
 ?S: declare it as "int (\*signal(...))()".

?S:.

?S:signal\_t:

?S: This variable holds the type of the signal handler (void or int).

?S:.

?C:VOIDSIG:

?C: This symbol is defined if this system declares "void (\*signal(...))()" in  
 ?C: signal.h. The old way was to declare it as "int (\*signal(...))()". It  
 ?C: is up to the package author to declare things correctly based on the  
 ?C: symbol.

?C:.

?C:Signal\_t (SIGNAL\_T):

?C: This symbol's value is either "void" or "int", corresponding to the  
 ?C: appropriate return type of a signal handler. Thus, you can declare  
 ?C: a signal handler using "Signal\_t (\*handler())", and define the  
 ?C: handler using "Signal\_t handler(sig)".

?C:.

?H:#\$d\_voidsig VOIDSIG /\*\*/  
 ?H:#define Signal\_t \$signal\_t /\* Signal handler's return  
 type \*/  
 ?H:.

?T:xxx

?LINT:set d\_voidsig  
 : see if signal is declared as pointer to function returning int or void  
 echo " "  
 xxx=`./findhdr signal.h`  
 \$test "\$xxx" && \$cpptest \$cpptestminus \$cpptestflags < \$xxx >\$\$.tmp 2>/dev/null  
 if \$contains 'int.\*\\*[ ]\*signal' \$\$\$.tmp >/dev/null 2>&1 ; then  
 echo "You have int (\*signal())() instead of void." >&4  
 val="\$undef"  
 elif \$contains 'void.\*\\*[ ]\*signal' \$\$\$.tmp >/dev/null 2>&1 ; then  
 echo "You have void (\*signal())() instead of int." >&4  
 val="\$define"  
 elif \$contains 'extern[ ]\*[\\*]\*signal' \$\$\$.tmp >/dev/null 2>&1 ; then  
 echo "You have int (\*signal())() instead of void." >&4  
 val="\$undef"  
 else  
 case "\$d\_voidsig" in  
 ")  
 echo "I can't determine whether signal handler returns void or int..." >&4  
 dflt=void  
 rp="What type does your signal handler return?"  
 ./myread  
 case "\$ans" in  
 v\*) val="\$define";;  
 \*) val="\$undef";;  
 esac;;

```

"$define")
echo "As you already told me, signal handler returns void." >&4;;
*)
echo "As you already told
me, signal handler returns int." >&4;;
esac
fi
set d_voidsig
eval $setvar
case "$d_voidsig" in
"$define") signal_t="void";;
*) signal_t="int";;
esac
$rm -f $$tmp

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_voidsig.U
```

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?RCS: \$Id: sh.U,v 3.0.1.1 1997/02/28 16:20:13 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: sh.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:20:13 ram

?RCS: patch61: created

?RCS:

?MAKE:sh targetsh: Head

?MAKE: -pick wipe \$@ %<

?S:sh:

?S: This variable contains the full pathname of the shell used

?S: on this system to execute Bourne shell scripts. Usually, this will be

?S: /bin/sh, though it's possible that some systems will have /bin/ksh,

?S: /bin/pdksh, /bin/ash, /bin/bash, or even something such as

?S: D:/bin/sh.exe.

?S: This

unit comes before Options.U, so you can't set sh with a -D

?S: option, though you can override this (and startsh)

?S: with -O -Dsh=/bin/whatever -Dstartsh=whatever

?S:.

?S:targetsh:  
?S: If cross-compiling, this variable contains the location of sh on the  
?S: target system.  
?S: If not, this will be the same as \$sh.  
?S:.  
?C:SH\_PATH:  
?C: This symbol contains the full pathname to the shell used on this  
?C: on this system to execute Bourne shell scripts. Usually, this will be  
?C: /bin/sh, though it's possible that some systems will have /bin/ksh,  
?C: /bin/pdksh, /bin/ash, /bin/bash, or even something such as  
?C: D:/bin/sh.exe.  
?C:.  
?H:#define SH\_PATH "\$targetsh" /\*\*/  
?H:.  
?T:xxx try pth p SYSTYPE  
?LINT:extern maintloc maintname \_exe  
?X:  
?X: Be quiet unless something unusual happens because this gets  
?X: loaded up even before options are processed.  
?X: Can't use ./loc because that depends on startsh, which, in turn  
?X: depends on this unit.  
?X:  
: Find the basic shell for  
Bourne shell scripts  
case "\$sh" in  
")  
?X: SYSTYPE is for some older MIPS systems.  
?X: I do not know if it is still needed.  
case "\$SYSTYPE" in  
\*bsd\*|sys5\*) xxx="/\$SYSTYPE/bin/sh";;  
\*) xxx='/bin/sh';;  
esac  
if test -f "\$xxx"; then  
sh="\$xxx"  
else  
: Build up a list and do a single loop so we can 'break' out.  
pth=`echo \$PATH | sed -e "s/\$p\_/ /g"`  
for xxx in sh bash ksh pdksh ash; do  
for p in \$pth; do  
try="\$try \${p}/\${xxx}"  
done  
done  
for xxx in \$try; do  
if test -f "\$xxx"; then  
sh="\$xxx";  
break  
elif test "X\$\_exe" != X -a -f "\$xxx\$\_exe"; then  
sh="\$xxx";

```
break
elif test -f "$xxx.exe"; then
sh="$xxx";
break
fi
done
fi
;;
esac
```

?X: fd 4 isn't open yet...

```
case "$sh" in
") cat >&2 <<EOM
$me: Fatal Error: I can't find a Bourne Shell anywhere.
```

Usually it's in /bin/sh. How did you even get this far?  
Please contact me (<\$maintname>) at <\$maintloc> and  
we'll try to straighten this all out.

```
EOM
exit 1
;;
esac
```

: When cross-compiling  
we need to separate the sh-to-run-Configure-with from the sh-to-use-in-Perl  
: default both to the same thing, cross-compilers can then set targetsh differently if they like  
targetsh=\$sh

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/sh.U
```

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```
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?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_gethbynm.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:08 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_gethbynm: Inlibc
```

?MAKE: -pick add \$@ %<  
?S:d\_gethbynm (d\_gethstby):  
?S: This variable conditionally defines the HAS\_GETHOSTBYNAME symbol, which  
?S: indicates to the C program that the gethostbyname() routine is available  
?S: to lookup host names in some data base or other.  
?S:.  
?C:HAS\_GETHOSTBYNAME (GETHOSTBYNAME):  
?C: This symbol, if defined, indicates that the gethostbyname()  
routine is  
?C: available to lookup host names in some data base or other.  
?C:.  
?H:#\$d\_gethbynm HAS\_GETHOSTBYNAME /\*\*/  
?H:.  
?LINT:set d\_gethbynm  
: see if gethostbyname exists  
set gethostbyname d\_gethbynm  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_gethbynm.U

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

?RCS: \$Id: d\_semop.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_semop.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:05 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_semop: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_semop:  
?S: This variable conditionally defines the HAS\_SEMOP symbol, which  
?S: indicates to the C program that the semop() routine is available.  
?S:.  
?C:HAS\_SEMOP:  
?C: This symbol, if defined, indicates that the semop() routine is  
?C: available to execute semaphore operations.  
?C:.  
?H:#\$d\_semop

HAS\_SEMOP /\*\*/

?H:.

?LINT:set d\_semop

: see if semop exists

set semop d\_semop

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_semop.U

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

?RCS: \$Id\$

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Finish.U,v \$

?RCS: Revision 3.0.1.6 1995/02/15 14:09:30 ram

?RCS: patch51: now clearer about how to edit config.sh at the prompt (WED)

?RCS:

?RCS: Revision 3.0.1.5 1994/10/29 15:53:14 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.4 1994/05/06 14:19:37 ram

?RCS: patch23: added blank lines around 'End of Configure'

?RCS:

?RCS: Revision 3.0.1.3 1993/10/16 13:46:09 ram

?RCS: patch12: replaced Config\_h by Magic\_h in the dependency line

?RCS:

?RCS:

Revision 3.0.1.2 1993/09/13 15:45:26 ram

?RCS: patch10: fixed shell evaluation w/o shell escape while in silent mode

?RCS:

?RCS: Revision 3.0.1.1 1993/08/30 08:55:59 ram

?RCS: patch8: prevents myread from blocking on empty answers, exceptionally

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:55 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit is the very last one in the Configure script. It runs all the

?X: SH files, which among other things produce config.h and (usually) Makefile.

```

?X: It offers to do a make depend if the Makefile contains that target.
?X:
?MAKE:Finish: Chk_MANI Extract Myread Oldsym Magic_h cat rm contains \
test package make
?MAKE: -pick add $@ %<
?F:!config.sh
?T:pwd
: Finish up by extracting the .SH files
case "$alldone" in
exit)
?X: They supplied the -E switch
echo "Stopping at your request, leaving temporary files around."
exit 0
;;
cont)
;;
")
dflt="
nostick=true
$cat <<EOM

```

If you'd like to make any changes to the config.sh file before I begin to configure things, do it as a shell escape now (e.g. !vi config.sh).

```

EOM
rp="Press return or use a shell escape to edit config.sh:"
. UU/myread
nostick="
case "$ans" in
") ;;
*) : in case they cannot read
sh 1>&4 -c "$ans";;
esac
;;
esac

```

: if this fails, just run all the .SH files by hand  
./config.sh

```

?X:
?X: Turn silent mode off from now on (we want a verbose file extraction).
?X: This means we have to explicitly test for '$silent' from now on to
?X: strip off any verbose messages.
?X:
echo " "
exec 1>&4
pwd=`pwd`

```

```
./UU/extract
cd "$pwd"
```

```
if $contains '^depend:' [Mm]akefile >/dev/null 2>&1; then
dflt=y
case "$silent" in
true) ;;
*)
$cat <<EOM
```

Now you need to generate make dependencies by running "\$make depend".  
You might prefer to run it in background: "\$make depend > makedepend.out &"  
It can take a while, so you might not want to run it right now.

```
EOM
;;
esac
rp="Run $make depend now?"
. UU/myread
case "$ans" in
y*)
$make depend
&& echo "Now you must run '$make'."
;;
*)
echo "You must run '$make depend' then '$make'."
;;
esac
elif test -f [Mm]akefile; then
echo " "
echo "Now you must run a $make."
else
echo "Configure done."
fi

if $test -f Policy.sh; then
$cat <<EOM
```

If you compile \$package on a different machine or from a different object directory, copy the Policy.sh file from this object directory to the new one before you run Configure -- this will help you with most of the policy defaults.

```
EOM
fi
if $test -f UU/config.msg; then
echo "Hmm. I also noted the following information while running:"
echo " "
```



```

$cat UU/config.msg >&4
fi
?X:
?X: kit*isdone files are left over by shell archives built using the makedist
?X: script which comes from dist, while ark*isdone files are left over by
?X: the cshar archive maker.
?X:
$rm -f kit*isdone ark*isdone
$rm -rf UU

: End of Configure

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/Finish.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Filexp.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 15:52:53 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: added HOME to the ?T: line since metalint now checks ${HOME}
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:03:00 ram
?RCS: patch23: made sure error status from csh is propagated (WED)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:53 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which will expand filenames beginning
?X:
with tildes. The script is deleted at the end of Configure.
?X:
?MAKE:Filexp: startsh sed test expr eunicefix
?MAKE: -pick add $@ %<
?F:./filexp
?T:HOME LOGDIR dir me name failed
: set up shell script to do ~ expansion

```

```

cat >filexp <<EOSS
$startsh
: expand filename
?X:
?X: The case entries below escape the ~ as some shells have shown expansion
?X: of the ~ during here-doc processing.
?X:
case "$1" in
\~/*\~)
echo \ $1 | $sed "s|\~|\${HOME-\$LOGDIR}|"
;;
\~*)
if $test -f /bin/csh; then
/bin/csh -f -c "glob \ $1"
failed=\ $?
echo ""
exit \ $failed
else
name=\ ` $expr x \ $1 : '.*\([^\~]*\)^\`
dir=\ ` $sed -n -e "/^\${name}:/ {s/^[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:[^:]*:\([^\~]*\).*\$""^1/" -e p -e q -e '}' </etc/passwd\`
if $test ! -d "\ $dir"; then
me=\ `basename \ $0\`
echo "\ $me: can't locate home directory for: \ $name" >&2
exit 1
fi
case "\ $1" in
*/*)
echo \ $dir/\ ` $expr x \ $1 : '.*\([^\~]*\)\(.*\)`
;;
*)
echo \ $dir
;;
esac
fi
;;
*)
echo \ $1
;;
esac
EOSS
chmod
+x filexp
$unicefix filexp

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Filexp.U

```

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

```
?RCS: $Id: d_endgrent_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_endgrent_r endgrent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_grp extern_C
?MAKE: -pick add $@ %<
?S:d_endgrent_r:
?S: This variable conditionally defines the HAS_ENDGRENT_R symbol,
?S: which indicates to the C program that the endgrent_r()
?S: routine is available.
?S:.
?S:endgrent_r_proto:
?S: This variable encodes the prototype of endgrent_r.
?S: It is zero if d_endgrent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endgrent_r
?S: is defined.
?S:.
?C:HAS_ENDGRENT_R:
?C: This symbol, if defined, indicates that the endgrent_r routine
?C: is available to
  endgrent re-entrantly.
?C:.
?C:ENDGRENT_R_PROTO:
?C: This symbol encodes the prototype of endgrent_r.
?C: It is zero if d_endgrent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endgrent_r
?C: is defined.
?C:.
?H:#$d_endgrent_r HAS_ENDGRENT_R /**/
?H:#define ENDGRENT_R_PROTO $endgrent_r_proto /**/
?H:.
?T:try hdrs d_endgrent_r_proto
: see if endgrent_r exists
set endgrent_r d_endgrent_r
eval $inlibc
case "$d_endgrent_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_grp grp.h"
  case "$d_endgrent_r_proto:$usethreads" in
  ":define") d_endgrent_r_proto=define
  set d_endgrent_r_proto endgrent_r $hdrs
```

```

eval $hasproto ;;
*) ;;
esac
case "$d_endgrent_r_proto" in
define)
case "$endgrent_r_proto" in
"|0) try='int endgrent_r(FILE**);'
./protochk "$extern_C $try" $hdrs && endgrent_r_proto=I_H ;;
esac
case "$endgrent_r_proto" in
"|0) try='void endgrent_r(FILE**);'
./protochk "$extern_C $try" $hdrs && endgrent_r_proto=V_H ;;
esac
case "$endgrent_r_proto"
in
"|0) d_endgrent_r=undef
endgrent_r_proto=0
echo "Disabling endgrent_r, cannot determine prototype." >&4 ;;
* ) case "$endgrent_r_proto" in
REENTRANT_PROTO*) ;;
*) endgrent_r_proto="REENTRANT_PROTO_$endgrent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endgrent_r has no prototype, not using it." >&4 ;;
esac
d_endgrent_r=undef
endgrent_r_proto=0
;;
esac
;;
*) endgrent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_endgrent_r.U
```

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

?RCS: \$Id: d\_stat.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_stat.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:28 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_stat: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_stat:

?S: This variable conditionally defines HAS\_STAT if stat() is

?S: available to get file status.

?S:.

?C:HAS\_STAT (STAT):

?C: This symbol, if defined, indicates that the stat routine is

?C: available to get file status.

?C:.

?H:#\$d\_stat HAS\_STAT /\*\*/

?H:.

?LINT:set d\_stat

: see if stat exists

set

stat d\_stat

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_stat.U

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

?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: \$Log: d\_shm.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:17 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_shm: test d\_shmctl d\_shmget d\_shmat d\_shmdt Setvar Findhdr

?MAKE: -pick add \$@ %<

?S:d\_shm:

?S: This variable conditionally defines the HAS\_SHM symbol, which

?S: indicates that the entire shm\*(2) library is present.

?S:.

?C:HAS\_SHM:

?C: This symbol, if defined, indicates that the entire shm\*(2) library is

?C: supported.

?C:.

?H:#\$d\_shm HAS\_SHM /\*\*/

?H:.

?T:h\_shm

?LINT:set d\_shm

:

see how much of the 'shm\*(2)' library is present.

h\_shm=true

echo " "

case "\$d\_shmctl\$d\_shmget\$d\_shmat\$d\_shmdt" in

\*\$undef\*) h\_shm=false;;

esac

: we could also check for sys/ipc.h ...

if \$h\_shm && \$test `./findhdr sys/shm.h`; then

echo "You have the full shm\*(2) library." >&4

val="\$define"

else

echo "You don't have the full shm\*(2) library." >&4

val="\$undef"

fi

set d\_shm

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_shm.U

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

?RCS: \$Id: spitshell.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: spitshell.U,v \$

?RCS: Revision 3.0.1.4 1997/02/28 16:22:12 ram

?RCS: patch61: removed useless chatter as this is now done very early

?RCS:

?RCS: Revision 3.0.1.3 1995/01/11 15:37:01 ram

?RCS: patch45: use 'test -f' instead of 'test -r' for exec-only cat progs (WED)

?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI

?RCS:

?RCS: Revision 3.0.1.2 1994/08/29 16:33:00 ram

?RCS: patch32: don't create spitshell under the UU directory

?RCS:

patch32: allow for cat in /bin or /usr/bin

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 16:12:58 ram

?RCS: patch10: made #-failure message more friendly (WAD)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:49 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:spitshell shsharp sharpbang: eunicefix sh Head

?MAKE: -pick add \$@ %<

?S:spitshell:

?S: This variable contains the command necessary to spit out a runnable

?S: shell on this system. It is either cat or a grep -v for # comments.

?S:.

?S:shsharp:

?S: This variable tells further Configure units whether your sh can

?S: handle # comments.

?S:.

?S:sharpbang:

?S: This variable contains the string #! if this system supports that

?S: construct.

?S:.

?F:!sharp

?T:xcat p

?X: "paths" comes from Head

?LINT:extern paths \_exe

: see if sh knows # comments

?X: This is loaded up early, so avoid being chatty.

?X: echo " "

?X: echo "Checking your \$sh to see if it knows about # comments..." >&2

if `sh -c '#' >/dev/null 2>&1`; then

?X: echo

"Your \$sh handles # comments correctly."

shsharp=true

spitshell=cat

?X: echo " "

?X: echo "Okay, let's see if #! works on this system..."

xcat=/bin/cat

test -f \$xcat\$\_exe || xcat=/usr/bin/cat

if test ! -f \$xcat\$\_exe; then

for p in `echo \$PATH | sed -e "s/\$p\_/ /g"` \$paths; do

```

if test -f $p/cat$_exe; then
  xcat=$p/cat
  break
fi
done
if test ! -f $xcat$_exe; then
  echo "Can't find cat anywhere!"
  exit 1
fi
fi
echo "#!$xcat" >sharp
$unicefix sharp
chmod +x sharp
./sharp > today 2>/dev/null
if test -s today; then
?X: echo "It does."
  sharpbang='#!'
else
  echo "#! $xcat" > sharp
  $unicefix sharp
  chmod +x sharp
  ./sharp > today 2>/dev/null
  if test -s today; then
?X: echo "It does."
    sharpbang='#! '
  else
?X: echo "Okay, let's see if #! works on this system..."
?X: echo "It's just a comment."
    sharpbang=': use '
  fi
fi
else
echo " "
echo "Your $sh doesn't grok # comments--I will strip them later on."
shsharp=false
?X: The
spitshell script will be perused, so leave it out the UU directory
cd ..
echo "exec grep -v '^[ ]*#' >spitshell
chmod +x spitshell
$unicefix spitshell
spitshell=`pwd`/spitshell
cd UU
echo "I presume that if # doesn't work, #! won't work either!"
sharpbang=': use '
fi
rm -f sharp today

```



Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/spitshell.U

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

?RCS: \$Id: i\_limits.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_limits.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:20 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_limits: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_limits:

?S: This variable conditionally defines the I\_LIMITS symbol, and indicates

?S: whether a C program may include <limits.h> to get symbols like WORD\_BIT

?S: and friends.

?S:.

?C:I\_LIMITS:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <limits.h> to

get definition of symbols like WORD\_BIT or

?C: LONG\_MAX, i.e. machine dependant limitations.

?C:.

?H:#\$i\_limits I\_LIMITS /\*\*/

?H:.

?LINT:set i\_limits

: see if this is a limits.h system

set limits.h i\_limits

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_limits.U

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

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_accessx: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_accessx:

?S: This variable conditionally defines the HAS\_ACCESSX symbol, which

?S: indicates to the C program that the accessx() routine is available.

?S:.

?C:HAS\_ACCESSX :

?C: This symbol, if defined, indicates that the accessx routine is

?C: available to do extended access checks.

?C:.

?H:#\$d\_accessx HAS\_ACCESSX /\*\*/

?H:.

?LINT:set d\_accessx

: see if accessx exists

set accessx d\_accessx

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/d\_accessx.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getmntent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getmntent:

?S: This variable conditionally defines the HAS\_GETMNTENT symbol, which

?S: indicates to the C program that the getmntent() routine is available

?S: to iterate through mounted files to get their mount info.

?S:.

?C:HAS\_GETMNTENT:

?C: This symbol, if defined, indicates that the getmntent routine is

?C: available to iterate through mounted file systems to get their info.

?C:.

?H:#\$d\_getmntent HAS\_GETMNTENT /\*\*/

?H:.

?LINT:set d\_getmntent

: see if getmntent exists

set getmntent d\_getmntent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getmntent.U

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

?RCS: \$Id: d\_getspnam\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getspnam\_r getsppnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_shadow extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getspnam\_r:

?S: This variable conditionally defines the HAS\_GETSPNAM\_R symbol,

?S: which indicates to the C program that the getsppnam\_r()

?S: routine is available.

?S:.

?S:getsppnam\_r\_proto:

?S: This variable encodes the prototype of getsppnam\_r.

?S: It is zero if d\_getspnam\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getspnam\_r

?S: is defined.

?S:.

?C:HAS\_GETSPNAM\_R:

?C: This symbol, if defined, indicates that the getsppnam\_r routine

?C: is available

to getsppnam re-entrantly.

?C:.

?C:GETSPNAM\_R\_PROTO:

?C: This symbol encodes the prototype of getsppnam\_r.

?C: It is zero if d\_getspnam\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getspnam\_r

?C: is defined.

?C:.

?H:#\$d\_getspnam\_r HAS\_GETSPNAM\_R /\*\*/

?H:#define GETSPNAM\_R\_PROTO \$getsppnam\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getspnam\_r\_proto

: see if getsppnam\_r exists

set getsppnam\_r d\_getspnam\_r

eval \$inlibc

case "\$d\_getspnam\_r" in

```

"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_shadow shadow.h"
case "$d_getspnam_r_proto:$usetthreads" in
":define") d_getspnam_r_proto=define
set d_getspnam_r_proto getspnam_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getspnam_r_proto" in
define)
case "$getspnam_r_proto" in
"|0) try='int getspnam_r(const char*, struct spwd*, char*, size_t, struct spwd**);'
./protochk "$extern_C $try" $hdrs && getspnam_r_proto=I_CSBWR ;;
esac
case "$getspnam_r_proto" in
"|0) try='struct spwd* getspnam_r(const char*, struct
spwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getspnam_r_proto=S_CSBI ;;
esac
case "$getspnam_r_proto" in
"|0) d_getspnam_r=undef
getspnam_r_proto=0
echo "Disabling getspnam_r, cannot determine prototype." >&4 ;;
* ) case "$getspnam_r_proto" in
REENTRANT_PROTO*) ;;
*) getspnam_r_proto="REENTRANT_PROTO_${getspnam_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getspnam_r has no prototype, not using it." >&4 ;;
esac
d_getspnam_r=undef
getspnam_r_proto=0
;;
esac
;;
*) getspnam_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getspnam_r.U
```

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

```
?RCS: $Id: rcs_branch.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: rcs_branch.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:40 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:rcs_branch: Myread contains Loc
?MAKE: -pick add $@ %<
?S:rcs_branch:
?S: This variable will hold "true" if rcs can take the -b<revision>
?S: option, which can make Life Easier on those folks who like to run
?S: rcsdiff manually.
?S:.
?T:xxx
: Tra la la la la
echo " "
echo "Checking to see if RCS understands the -b switch..." >&4
xxx=`./loc
rcs " $pth`
case "$xxx" in
")
rcs_branch=false
echo "Oh. You don't seem to have RCS here."
;;
*)
rcs > rcsbranch.out 2>&1
if $contains 'b\[rev\]' rcsbranch.out >/dev/null 2>&1 ; then
rcs_branch=true
echo "Nice! Your RCS is spiffy!"
else
rcs_branch=false
echo "Well, at least you have RCS. You know, a newer version is available."
fi
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/rcs_branch.U
```

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1996, Andy Dougherty  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sitelib.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:21:35 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sitelib sitelibexp installsitelib: afs cat Getfile \  
Oldconfig Prefixit test privlib package sed  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:sitelib:  
?S: This variable contains the eventual value of the SITELIB symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this  
directory while performing installation (with ~ substitution).  
?S:.  
?S:sitelibexp:  
?S: This variable is the ~name expanded version of sitelib, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?S:installsitelib:  
?S: This variable is really the same as sitelibexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?C:SITELIB:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C: The standard distribution will put nothing in this directory.  
?C: Individual sites may place their own extensions and modules in  
?C: this directory.  
?C:.  
?C:SITELIB\_EXP:  
?C: This symbol contains the ~name expanded version of SITELIB, to be used  
?C: in programs that are not prepared to deal with ~ expansion

```

at run-time.
?C:.
?H:#define SITELIB "$sitelib" /**/
?H:#define SITELIB_EXP "$sitelibexp" /**/
?H:.
?T:prog
: determine where site specific libraries go.
set sitelib sitelib
eval $prefixit
case "$sitelib" in
")
?X: remove any trailing -3.0 or other version indentification
prog=`echo $package | $sed 's/-*[0-9.]*$//`
dflt="$privlib/site_$prog" ;;
*) dflt="$sitelib" ;;
esac
$cat <<EOM

```

The installation process will also create a directory for site-specific extensions and modules. Some users find it convenient to place all local files in this directory rather than in the main distribution directory.

```

EOM
fn=d~+
rp='Pathname for the site-specific library files?'
./getfile
if $test "X$sitelibexp" != "X$sansexp"; then
installsitelib="
fi
sitelib="$ans"
sitelibexp="$sansexp"
if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installsitelib" in
") dflt=`echo $sitelibexp | sed 's#^/afs/#/afs/.#`";
*) dflt="$installsitelib";
esac
fn=de~
rp='Where will private files be installed?'
./getfile

```

```
installsitelib="$sans"  
else  
installsitelib="$sitelibexp"  
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sitelib.U
```

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

```
?RCS: $Id: i_syspoll.U 15 2006-08-30 18:21:51Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?MAKE:i_syspoll: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_syspoll:
```

```
?S: This variable conditionally defines the I_SYS_POLL symbol, which
```

```
?S: indicates to the C program that it should include <sys/poll.h>.
```

```
?S:.
```

```
?C:I_SYS_POLL:
```

```
?C: This symbol, if defined, indicates that the program may include
```

```
?C: <sys/poll.h>. When I_POLL is also defined, it's probably safest
```

```
?C: to only include <poll.h>.
```

```
?C:.
```

```
?H:#$i_syspoll I_SYS_POLL /**/
```

```
?H:.
```

```
?LINT:set i_syspoll
```

```
: see if there is
```

```
  a sys/poll.h file
```

```
set sys/poll.h i_syspoll
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_syspoll.U
```

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

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_lrintl: Inlibc
```



?MAKE: -pick add \$@ %<  
?S:d\_lrintl:  
?S: This variable conditionally defines the HAS\_LRINTL symbol, which  
?S: indicates to the C program that the lrintl() routine is available  
?S: to return the integral value closest to a long double (according  
?S: to the current rounding mode).  
?S:.  
?C:HAS\_LRINTL:  
?C: This symbol, if defined, indicates that the lrintl routine is  
?C: available to return the integral value closest to a long double  
?C: (according to the current rounding mode).  
?C:.  
?H:#\$d\_lrintl HAS\_LRINTL /\*\*/  
?H:.  
?LINT:set d\_lrintl  
: see if lrintl exists  
set lrintl d\_lrintl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lrintl.U

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

?RCS: \$Id: d\_getservprotos.U,v \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_getservprotos : Hasproto i\_netdb  
?MAKE: -pick add \$@ %<  
?S:d\_getservprotos:  
?S: This variable conditionally defines the HAS\_GETSERV\_PROTOS symbol,  
?S: which indicates to the C program that <netdb.h> supplies  
?S: prototypes for the various getserv\*() functions.  
?S: See also netdbtype.U for probing for various netdb types.  
?S:.  
?C:HAS\_GETSERV\_PROTOS:  
?C: This symbol, if defined, indicates that <netdb.h> includes  
?C: prototypes for getservent(), getservbyname(), and  
?C: getservbyaddr(). Otherwise,  
?C: it is up to the program to guess  
?C: them. See netdbtype.U for probing for various Netdb\_XXX\_t types.

```
?C:.
?H:#$d_getservprotos HAS_GETSERV_PROTOS /**/
?H:.
?LINT:set d_getservprotos
: see if prototypes for various getservxxx netdb.h functions are available
echo " "
set d_getservprotos getservent $i_netdb netdb.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d_getservprotos.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:usefaststdio: Myread Oldconfig Setvar rsrc
?MAKE: -pick add $@ %<
?Y:TOP
?S:usefaststdio:
?S: This variable conditionally defines the USE_FAST_STDIO symbol,
?S: and indicates that Perl should be built to use 'fast stdio'.
?S: Defaults to define in Perls 5.8 and earlier, to undef later.
?S:.
?C:USE_FAST_STDIO:
?C: This symbol, if defined, indicates that Perl should
?C: be built to use 'fast stdio'.
?C: Defaults to define in Perls 5.8 and earlier, to undef later.
?C:.
?H:?%<:#ifndef USE_FAST_STDIO
?H:?%<:#$usefaststdio USE_FAST_STDIO /**/
?H:?%<:#endif
?H:.
?T:xversion
?LINT:set usefaststdio
: Check if faststdio is requested and available
case "$usefaststdio" in
$define|true|[yY]*|")
xversion=`awk
'/define[ ]+PERL_VERSION/ {print $3}' $rsrc/patchlevel.h`
case "$xversion" in
[68]) dflt='y' ;;
*) dflt='n' ;;
```

```

esac
;;
*) dflt='n';;
esac
cat <<EOM

```

Perl can be built to use 'fast stdio', which means using the stdio library but also directly manipulating the stdio buffers to enable faster I/O. Using stdio is better for backward compatibility (especially for Perl extensions), but on the other hand since Perl 5.8 the 'perlio' interface has been preferred instead of stdio.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```

EOM
rp='Use the "fast stdio" if available?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*)   val="$undef" ;;
esac
set usefaststdio
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usefaststdio.U

```

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

```

?RCS: $Id: i_fp_class.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_fp_class: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_fp_class:
?S: This variable conditionally defines the I_FP_CLASS symbol, and indicates
?S: whether a C program should include <fp_class.h>.
?S:.
?C:I_FP_CLASS:
?C: This symbol, if defined, indicates that <fp_class.h> exists and
?C: should be included.
?C:.
?H:#$i_fp_class I_FP_CLASS /**/
?H:.
?LINT:set i_fp_class

```

: see if this is a fp\_class.h system

set fp\_class.h i\_fp\_class

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fp\_class.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: fpostype.U,v \$

?RCS: Revision 3.0.1.2 1994/08/29 16:20:52 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 06:59:59 ram

?RCS: patch30: created

?RCS:

?MAKE:fpostype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:fpostype:

?S: This variable defines Fpos\_t to be something like fpost\_t, long,

?S: uint, or whatever type is used to declare file positions in libc.

?S:.

?C:Fpos\_t:

?C: This symbol holds the type used to declare file positions  
in libc.

?C: It can be fpos\_t, long, uint, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?H:#define Fpos\_t \$fpostype /\* File position type \*/

?H:.

: see what type file positions are declared as in the library

set fpos\_t fpostype long stdio.h sys/types.h

eval \$typedef

echo " "

dflt="\$fpostype"

rp="What is the type for file position used by fsetpos()?"

./myread

fpostype="\$ans"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/fpostype.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_ualarm: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ualarm:

?S: This variable conditionally defines the HAS\_UALARM symbol, which

?S: indicates to the C program that the ualarm() routine is available.

?S:.

?C:HAS\_UALARM:

?C: This symbol, if defined, indicates that the ualarm routine is

?C: available to do alarms with microsecond granularity.

?C:.

?H:#\$d\_ualarm HAS\_UALARM /\*\*/

?H:.

?LINT:set d\_ualarm

: see if ualarm exists

set ualarm d\_ualarm

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ualarm.U

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

?RCS: \$Id: i\_syssock.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_syssock.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:36 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:i\_syssock: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_syssock:  
?S: This variable conditionally defines the I\_SYS\_SOCKET symbol, and indicates  
?S: whether a C program should include <sys/socket.h> before performing socket  
?S: operations.  
?S:.  
?C:I\_SYS\_SOCKET:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include  
    <sys/socket.h> before performing socket calls.  
?C:.  
?H:#\$i\_syssock I\_SYS\_SOCKET /\*\*/  
?H:.  
?LINT:set i\_syssock  
: see if this is a sys/socket.h system  
set sys/socket.h i\_syssock  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_syssock.U

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

?RCS: \$Id: Signal.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Signal.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:20:01 ram  
?RCS: patch61: created  
?RCS:  
?X:  
?X: This unit produces three files:  
?X: 1- A signal.c file, which, when compiled and run, produces an output like:  
?X:  
?X: HUP 1  
?X: INT 2  
?X: QUIT 3  
?X: etc...  
?X:

?X: 2- A signal.awk script to parse the output of signal.c, fill  
?X: in gaps (up to NSIG) and move duplicates to the end.  
?X: 3- A signal\_cmd script to compile signal.c and run it  
?X: through  
sort -n -k 2 | uniq | awk -f signal.awk.  
?X: (we try also sort -n +1 since some old hosts don't grok sort -k)  
?X: (This is called signal\_cmd to avoid OS/2 confusion with  
?X: signal.cmd vs. signal.  
?X: The signal\_cmd script also falls back on checking signals one at a  
?X: time in case the signal.c program fails. On at least one version of  
?X: Linux 2.1.x, the header file #define'd SIGRTMAX to a symbol that  
?X: is not defined by the compiler/linker. :-(. Further, on that same  
?X: version of Linux, the user had a defective C-shell that gave an  
?X: incorrect list for kill -l, so the fall-back didn't work.  
?X:  
?X: This unit is then used by sig\_name.U.  
?X:  
?MAKE:Signal: test tr rm awk cat grep startsh eunicefix sed sort uniq \  
Findhdr cppstdin +cppflags cppminus Compile \_o \_exe trnl run i\_stdlib \  
sysroot  
?MAKE: -pick add \$@ %<  
?X:all files declared as "public" since they're used from other units  
?F:signal.c signal\_cmd signal.lst signal signal.awk  
?T: xx xxx xxxfiles  
?LINT:use rm run  
\_o \_exe  
?LINT:extern sig\_num\_init  
: Trace out the files included by signal.h, then look for SIGxxx names.  
?X: Remove SIGARRAYSIZE used by HPUX.  
?X: Remove SIGSTKSIZ used by Linux.  
?X: Remove SIGSTKSZ used by POSIX.  
?X: Remove SIGTYP void lines used by OS2.  
?X: Some cpps, like os390, do not give the file name anywhere  
case "\$sig\_num\_init" in  
")  
if [ "X\$fieldn" = X ]; then  
: Just make some guesses. We check them later.  
xxx="\$sysroot/usr/include/signal.h \$sysroot/usr/include/sys/signal.h"  
else  
xxx=`echo '#include <signal.h>' |  
\$cppstdin \$cppminus \$cppflags 2>/dev/null |  
\$grep '^[ ]\*#.\*include' |  
\$awk '{print \\\$fieldn}' | \$sed 's!'!g' \  
\$sed 's!\\\\\\\\\\\\\\\\!g' | \$sort | \$uniq`  
fi  
?X: Check this list of files to be sure we have parsed the cpp output ok.  
?X: This will also avoid potentially non-existent files, such  
?X: as ../foo/bar.h

```

xxxfiles=""
?X: Add /dev/null in case the $xxx list is empty.
for xx in $xxx /dev/null ; do
    $test -f "$xx" && xxxfiles="$xxxfiles $xx"
done
?X:
    If we have found no files, at least try signal.h
case "$xxxfiles" in
    ") xxxfiles=`./findhdr signal.h` ;;
esac
xxx=`awk '
$1 ~ /^#define$/ && $2 ~ /^SIG[A-Z0-9]*$/ && $2 !~ /SIGARRAYSIZE/ && $2 !~ /SIGSTKSIZE/ && $2 !~
/SIGSTKSZ/ && $3 !~ /void/ {
    print substr($2, 4, 20)
}
$1 == "#" && $2 ~ /^define$/ && $3 ~ /^SIG[A-Z0-9]*$/ && $3 !~ /SIGARRAYSIZE/ && $4 !~ /void/ {
    print substr($3, 4, 20)
}' $xxxfiles`
: Append some common names just in case the awk scan failed.
xxx="$xxx ABRT ALRM BUS CANCEL CHLD CLD CONT DIL EMT FPE"
xxx="$xxx FREEZE HUP ILL INT IO IOT KILL LOST LWP PHONE"
xxx="$xxx PIPE POLL PROF PWR QUIT RTMAX RTMIN SEGV STKFLT STOP"
xxx="$xxx SYS TERM THAW TRAP TSTP TTIN TTOU URG USR1 USR2"
xxx="$xxx USR3 USR4 VTALRM WAITING WINCH WIND WINDOW XCPU XFSZ"

: generate a few handy files for later
$cat > signal.c <<EOCP
#include <sys/types.h>
#include <signal.h>
#include <stdlib.h>
#include <stdio.h>
int main() {

/* Strange style to avoid
   deeply-nested #if/#else/#endif */
#ifdef NSIG
# ifdef _NSIG
#  define NSIG (_NSIG)
# endif
#endif

#ifdef NSIG
# ifdef SIGMAX
#  define NSIG (SIGMAX+1)
# endif

```



```
#endif

#ifndef NSIG
# ifdef SIG_MAX
#  define NSIG (SIG_MAX+1)
# endif
#endif

#ifndef NSIG
# ifdef _SIG_MAX
#  define NSIG (_SIG_MAX+1)
# endif
#endif

#ifndef NSIG
# ifdef MAXSIG
#  define NSIG (MAXSIG+1)
# endif
#endif

#ifndef NSIG
# ifdef MAX_SIG
#  define NSIG (MAX_SIG+1)
# endif
#endif

#ifndef NSIG
# ifdef SIGARRAYSIZE
#  define NSIG SIGARRAYSIZE /* Assume ary[SIGARRAYSIZE] */
# endif
#endif

#ifndef NSIG
# ifdef _sys_nsig
#  define NSIG (_sys_nsig) /* Solaris 2.5 */
# endif
#endif

/* Default to some arbitrary number that's big enough to get most
   of the common signals.
*/
#ifndef NSIG
#  define NSIG 50
#endif

printf("NSIG %d\n", NSIG);

#ifndef JUST_NSIG
```

EOCP

```
echo $xxx | $tr ' ' $trnl | $sort | $uniq | $awk '
{
  printf "#ifdef SIG"; printf $1; printf "\n"
  printf "printf(\"";
  printf $1; printf " %%d\n\",SIG";
  printf $1; printf ");\n"
  printf "#endif\n"
}
END {
  printf "#endif /* JUST_NSIG */\n";
  printf "exit(0);\n}\n";
}
' >>signal.c
$cat >signal.awk <<'EOP'
BEGIN { ndups = 0 }
$1 ~ /^NSIG$/ { nsig = $2 }
($1 !~ /^NSIG$/) && (NF == 2) && ($2 ~ /^[0-9][0-9]*$/) {
  if ($2 > maxsig) { maxsig = $2 }
  if (sig_name[$2]) {
    dup_name[ndups] = $1
    dup_num[ndups] = $2
    ndups++
  }
  else {
    sig_name[$2] = $1
    sig_num[$2] = $2
  }
}
END {
  if (nsig == 0) {
    nsig = maxsig + 1
  }
  printf("NSIG %d\n", nsig);
  for (n = 1; n < nsig; n++) {
    if (sig_name[n]) {
      printf("%s %d\n", sig_name[n], sig_num[n])
    }
  }
  else {
    printf("NUM%d %d\n", n, n)
  }
}
  for (n = 0; n < ndups; n++) {
    printf("%s %d\n", dup_name[n], dup_num[n])
  }
}
```

```

EOP
$cat >signal_cmd <<EOS
$startsh
if $test -s signal.lst; then
    echo "Using your existing signal.lst file"
    exit 0
fi
xxx="$xxx"
EOS
?X: Avoid variable interpolation problems, especially with
?X:
    xxx, which contains newlines.
$cat >>signal_cmd <<'EOS'

set signal
if eval $compile_ok; then
    $run ./signal$_exe | ($sort -n -k 2 2>/dev/null || $sort -n +1) |\
    $uniq | $awk -f signal.awk >signal.lst
else
    echo "(I can't seem be able to compile the whole test program)" >&4
    echo "(I'll try it in little pieces.)" >&4
    set signal -DJUST_NSIG
    if eval $compile_ok; then
        $run ./signal$_exe > signal.nsg
        $cat signal.nsg
    else
        echo "I can't seem to figure out how many signals you have." >&4
        echo "Guessing 50." >&4
        echo 'NSIG 50' > signal.nsg
    fi
    : Now look at all the signal names, one at a time.
    for xx in `echo $xxx | $tr ' ' $trnl | $sort | $uniq`; do
        $cat > signal.c <<EOCP
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
int main() {
printf("$xx %d\n", SIG${xx});
return 0;
}
EOCP
    set signal
    if eval $compile; then
        echo "SIG${xx} found."
        $run ./signal$_exe >> signal.lst
    else
        echo "SIG${xx} NOT found."
    fi

```

```

done
if $test -s signal.ls1; then
    $cat
signal.nsg signal.ls1 |
    $sort -n | $uniq | $awk -f signal.awk >signal.lst
fi

fi
if $test -s signal.lst; then
:
else
echo "(AAK! I can't compile the test programs -- Guessing)" >&4
echo 'kill -l' >signal
set X `csh -f <signal`
$rm -f signal
shift
case $# in
0) set HUP INT QUIT ILL TRAP ABRT EMT FPE KILL BUS SEGV SYS PIPE ALRM TERM;;
esac
echo $@ | $tr ' ' $trnl | \
    $awk '{ printf "%s %d\n", $1, ++s; }
    END { printf "NSIG %d\n", ++s }' >signal.lst
fi
$rm -f signal.c signal$_exe signal$_o signal.nsg signal.ls1
EOS
chmod a+x signal_cmd
$seunicefix signal_cmd
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Signal.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: sig\_name.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 16:21:25 ram

?RCS: patch61: brand new algorithm for sig\_name and (new!) sig\_num

?RCS:  
?RCS: Revision 3.0.1.4 1995/07/25 14:14:54 ram  
?RCS: patch56: added <asm/signal.h> lookup for linux  
?RCS:  
?RCS: Revision 3.0.1.3 1995/05/12 12:24:11 ram  
?RCS: patch54: now looks for <linux/signal.h> too (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/06/20 07:06:57 ram  
?RCS: patch30: final echo was missing to close awk-printed string  
?RCS:  
?RCS: Revision 3.0.1.1  
1994/05/06 15:17:55 ram  
?RCS: patch23: signal list now formatted to avoid scroll-ups (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:47 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:sig\_name sig\_name\_init sig\_num sig\_num\_init sig\_count sig\_size: \  
awk Signal Oldconfig rm  
?MAKE: -pick add \$@ %<  
?S:sig\_name:  
?S: This variable holds the signal names, space separated. The leading  
?S: SIG in signal name is removed. A ZERO is prepended to the  
?S: list. This is currently not used.  
?S:.  
?S:sig\_name\_init:  
?S: This variable holds the signal names, enclosed in double quotes and  
?S: separated by commas, suitable for use in the SIG\_NAME definition  
?S: below. A "ZERO" is prepended to the list, and the list is  
?S: terminated with a plain 0. The leading SIG in signal names  
?S: is removed. See sig\_num.  
?S:.  
?S:sig\_num:  
?S: This variable holds the signal numbers, space separated. A ZERO is  
?S: prepended to the list (corresponding to the fake SIGZERO), and  
?S: the list is terminated  
with a 0. Those numbers correspond to  
?S: the value of the signal listed in the same place within the  
?S: sig\_name list.  
?S:.  
?S:sig\_num\_init:  
?S: This variable holds the signal numbers, enclosed in double quotes and  
?S: separated by commas, suitable for use in the SIG\_NUM definition  
?S: below. A "ZERO" is prepended to the list, and the list is  
?S: terminated with a plain 0.  
?S:.  
?S:sig\_count (sig\_name.U):  
?S: This variable holds a number larger than the largest valid

?S: signal number. This is usually the same as the NSIG macro.

?S:.

?S:sig\_size:

?S: This variable contains the number of elements of the sig\_name

?S: and sig\_num arrays, excluding the final NULL entry.

?S:.

?C:SIG\_NAME:

?C: This symbol contains a list of signal names in order of

?C: signal number. This is intended

?C: to be used as a static array initialization, like this:

?C: char \*sig\_name[] = { SIG\_NAME };

?C: The signals in the list are separated with commas, and each signal

?C: is surrounded by double

quotes. There is no leading SIG in the signal

?C: name, i.e. SIGQUIT is known as "QUIT".

?C: Gaps in the signal numbers (up to NSIG) are filled in with NUMnn,

?C: etc., where nn is the actual signal number (e.g. NUM37).

?C: The signal number for sig\_name[i] is stored in sig\_num[i].

?C: The last element is 0 to terminate the list with a NULL. This

?C: corresponds to the 0 at the end of the sig\_num list.

?C:.

?C:SIG\_NUM:

?C: This symbol contains a list of signal numbers, in the same order as the

?C: SIG\_NAME list. It is suitable for static array initialization, as in:

?C: int sig\_num[] = { SIG\_NUM };

?C: The signals in the list are separated with commas, and the indices

?C: within that list and the SIG\_NAME list match, so it's easy to compute

?C: the signal name from a number or vice versa at the price of a small

?C: dynamic linear lookup.

?C: Duplicates are allowed, but are moved to the end of the list.

?C: The signal number corresponding to sig\_name[i] is sig\_number[i].

?C: if (i

< NSIG) then sig\_number[i] == i.

?C: The last element is 0, corresponding to the 0 at the end of

?C: the sig\_name list.

?C:.

?C:SIG\_COUNT:

?C: This variable contains a number larger than the largest

?C: signal number. This is usually the same as the NSIG macro.

?C:.

?C:SIG\_SIZE:

?C: This variable contains the number of elements of the sig\_name

?C: and sig\_num arrays, excluding the final NULL entry.

?C:.

?H:#define SIG\_NAME \$sig\_name\_init /\*\*/

?H:#define SIG\_NUM \$sig\_num\_init /\*\*/

?H:#define SIG\_COUNT \$sig\_count /\*\*/

?H:#define SIG\_SIZE \$sig\_size /\*\*/

```

?H:
?T:i doinit
?F:!= !signal_cmd
?X: signal.cmd creates a file signal.lst which has two columns:
?X: NAME number, e.g.
?X: HUP 1
?X: The list is sorted on signal number, with duplicates moved to
?X: the end..
: generate list of signal names
echo " "
case "$sig_name_init" in
") doinit=yes ;;
*) case "$sig_num_init" in
    "*,*) doinit=yes ;;
    esac ;;
esac
case "$doinit" in
yes)
echo "Generating a list of signal names and
numbers..." >&4
./signal_cmd
sig_count=`$awk '/^NSIG/ { printf "%d", $2 }' signal.lst`
sig_name=`$awk 'BEGIN { printf "ZERO " }
!/^NSIG/ { printf "%s ", $1 }' signal.lst`
sig_num=`$awk 'BEGIN { printf "0 " }
!/^NSIG/ { printf "%d ", $2 }' signal.lst`
sig_name_init=`$awk 'BEGIN { printf "\"ZERO\", " }
!/^NSIG/ { printf "\"%s\", ", $1 }
END { printf "0\n" }' signal.lst`
sig_num_init=`$awk 'BEGIN { printf "0, " }
!/^NSIG/ { printf "%d, ", $2 }
END { printf "0\n" }' signal.lst`
;;
esac
echo "The following $sig_count signals are available:"
echo " "
echo $sig_name | $awk \
'BEGIN { linelen = 0 }
{
for (i = 1; i <= NF; i++) {
name = "SIG" $i " "
linelen = linelen + length(name)
if (linelen > 70) {
printf "\n"
linelen = length(name)
}
printf "%s", name
}
}

```

```
printf "\n"
}'
sig_size=`echo $sig_name | awk '{print NF}'`
$rm -f signal signal.c signal.awk signal.lst signal_cmd
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sig\_name.U

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

?RCS: \$Id: d\_msgsnd.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_msgsnd.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:41 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_msgsnd: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_msgsnd:

?S: This variable conditionally defines the HAS\_MSGSND symbol, which

?S: indicates to the C program that the msgsnd() routine is available.

?S:.

?C:HAS\_MSGSND:

?C: This symbol, if defined, indicates that the msgsnd() routine is

?C: available to send a message into the message queue.

?C:.

?H:#\$d\_msgsnd

HAS\_MSGSND /\*\*/

?H:.

?LINT:set d\_msgsnd

: see if msgsnd exists

set msgsnd d\_msgsnd

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msgsnd.U

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

?RCS: \$Id\$



```

?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cf_email.U,v $
?RCS: Revision 3.0.1.1 1994/01/24 14:05:06 ram
?RCS: patch16: created
?RCS:
?RCS:
?MAKE:cf_email: cat cf_by test myhostname mydomain Oldconfig Myread
?MAKE: -pick add $@ %<
?S:cf_email:
?S: Electronic mail address of the person who ran Configure. This can be
?S: used by units that require the user's e-mail, like MailList.U.
?S:.
?T:cont maildomain
?LINT:extern MAILDOMAIN
: determine the e-mail address of the user who is running us
$cat <<EOM

```

I need to get your e-mail address  
in Internet format if possible, i.e.  
something like user@host.domain. Please answer accurately since I have  
no easy means to double check it. The default value provided below  
is most probably close to reality but may not be valid from outside  
your organization...

```

EOM
cont=x
while test "$cont"; do
case "$MAILDOMAIN" in
")
if $test -s /etc/mailname; then
maildomain=`$cat /etc/mailname`
else
maildomain="$myhostname$mydomain"
fi
;;
*) maildomain="$MAILDOMAIN";;
esac
case "$cf_email" in
") dflt="$cf_by@$maildomain";;
*) dflt="$cf_email";;

```

```

esac
rp='What is your e-mail address?'
. ./myread
cf_email="$ans"
case "$cf_email" in
*@(.*.*) cont=" ;;
*)
rp='Address does not look like an Internet one. Use it anyway?'
case "$fastread" in
yes) dflt=y ;;
*) dflt=n ;;
esac
. ./myread
case "$ans" in
y*) cont=" ;;
*) echo " " ;;
esac
;;
esac
done

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cf_email.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_msghdr\_s: Hasstruct i\_systypes d\_socket i\_sysuio Setvar

?MAKE: -pick add \$@ %<

?S:d\_msghdr\_s:

?S: This variable conditionally defines the HAS\_STRUCT\_MSGHDR symbol,

?S: which indicates that the struct msghdr is supported.

?S:.

?C:HAS\_STRUCT\_MSGHDR:

?C: This symbol, if defined, indicates that the struct msghdr

?C: is supported.

?C:.

?H:#\$d\_msghdr\_s HAS\_STRUCT\_MSGHDR /\*\*/

?H:.

?LINT:set d\_msghdr\_s

: Check for msghdr\_s

echo " "

```

echo "Checking to see if your system supports struct msghdr..." >&4
set d_msghdr_s msghdr $i_systypes sys/types.h $d_socket sys/socket.h $i_sysuio sys/uio.h
eval $hasstruct
case "$d_msghdr_s" in
"$define") echo "Yes, it does." ;;
*) echo "No, it doesn't."
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_msghdr_s.U

```

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

?RCS: \$Id: d\_localtime\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_localtime\_r d\_localtime\_r\_needs\_tzset localtime\_r\_proto: Inlibc \

cat run Protochk Hasproto i\_systypes usethreads i\_time i\_systime \

rm\_try Compile extern\_C i\_stdlib i\_unistd i\_malloc

?MAKE: -pick add \$@ %<

?S:d\_localtime\_r:

?S: This variable conditionally defines the HAS\_LOCALTIME\_R symbol,

?S: which indicates to the C program that the localtime\_r()

?S: routine is available.

?S:.

?S:d\_localtime\_r\_needs\_tzset:

?S: This variable conditionally defines the LOCALTIME\_R\_NEEDS\_TZSET

?S: symbol, which makes us call tzset before localtime\_r()

?S:.

?S:localtime\_r\_proto:

?S: This

variable encodes the prototype of localtime\_r.

?S: It is zero if d\_localtime\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_localtime\_r

?S: is defined.

?S:.

?C:HAS\_LOCALTIME\_R:

?C: This symbol, if defined, indicates that the localtime\_r routine

?C: is available to localtime re-entrantly.

?C:.

?C:LOCALTIME\_R\_NEEDS\_TZSET:

```

?C: Many libc's localtime_r implementations do not call tzset,
?C: making them differ from localtime(), and making timezone
?C: changes using \${ENV}{TZ} without explicitly calling tzset
?C: impossible. This symbol makes us call tzset before localtime_r
?C:.
?H:%<:#$d_localtime_r_needs_tzset LOCALTIME_R_NEEDS_TZSET /**/
?H:%<:#ifdef LOCALTIME_R_NEEDS_TZSET
?H:%<:#define L_R_TZSET tzset(),
?H:%<:#else
?H:%<:#define L_R_TZSET
?H:%<:#endif
?H:.
?C:L_R_TZSET:
?C: If localtime_r() needs tzset, it is defined in this define
?C:.
?C:LOCALTIME_R_PROTO:
?C: This symbol encodes the prototype of localtime_r.
?C: It is zero if d_localtime_r
is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_localtime_r
?C: is defined.
?C:.
?H:#$d_localtime_r HAS_LOCALTIME_R /**/
?H:#define LOCALTIME_R_PROTO $localtime_r_proto /**/
?H:.
?T:try hdrs d_localtime_r_proto
?F:!try
: see if localtime_r exists
set localtime_r d_localtime_r
eval $inlibc
case "$d_localtime_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
case "$d_localtime_r_proto:$usetthreads" in
":define") d_localtime_r_proto=define
set d_localtime_r_proto localtime_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_localtime_r_proto" in
define)
case "$localtime_r_proto" in
"|0) try='struct tm* localtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && localtime_r_proto=S_TS ;;
esac
case "$localtime_r_proto" in
"|0) try='int localtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && localtime_r_proto=I_TS ;;

```

```

esac
case "$localtime_r_proto" in
|(0) d_localtime_r=undef
localtime_r_proto=0
echo
"Disabling localtime_r, cannot determine prototype." >&4 ;;
*) case "$localtime_r_proto" in
REENTRANT_PROTO*) ;;
*) localtime_r_proto="REENTRANT_PROTO_$localtime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "localtime_r has no prototype, not using it." >&4 ;;
esac
d_localtime_r=undef
localtime_r_proto=0
;;
esac
;;
*) localtime_r_proto=0
;;
esac

```

```

: see if localtime_r calls tzset
case "$localtime_r_proto" in
REENTRANT_PROTO*)
$cat >try.c <<EOCP
/* Does our libc's localtime_r call tzset ?
* return 0 if so, 1 otherwise.
*/
#i_systypes I_SYS_TYPES
#i_unistd I_UNISTD
#i_time I_TIME
#i_stdlib I_STDLIB
#i_malloc I_MALLOC
#ifdef I_SYS_TYPES
# include <sys/types.h>
#endif
#ifdef I_UNISTD
# include <unistd.h>
#endif
#ifdef I_TIME
# include <time.h>
#endif
#ifdef I_STDLIB
#include <stdlib.h>

```

```

#endif
#include <string.h>
#ifdef I_MALLOC
# include <malloc.h>
#endif
int
main()
{
    time_t t = time(0L);
    char w_tz[]="TZ" "=GMT+5",
    e_tz[]="TZ" "=GMT-5",
    *tz_e = (char*)malloc(16),
    *tz_w = (char*)malloc(16);
    struct tm tm_e, tm_w;
    memset(&tm_e, '\0', sizeof(struct tm));
    memset(&tm_w, '\0', sizeof(struct tm));
    strcpy(tz_e, e_tz);
    strcpy(tz_w, w_tz);

    putenv(tz_e);
    localtime_r(&t, &tm_e);

    putenv(tz_w);
    localtime_r(&t, &tm_w);

    if( memcmp(&tm_e, &tm_w, sizeof(struct tm)) == 0 )
return 1;
    return 0;
}

```

EOCP

```

set try
if eval $compile; then
    if $run ./try; then
        d_localtime_r_needs_tzset=undef;
        else
        d_localtime_r_needs_tzset=define;
        fi;
    else
        d_localtime_r_needs_tzset=undef;
    fi;
    ;;
*)
    d_localtime_r_needs_tzset=undef;
    ;;
esac
$rm_try

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_localtime\_r.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: archname.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:24:32 ram

?RCS: patch61: changed the way the archname is mangled from uname

?RCS:

?RCS: Revision 3.0.1.2 1995/05/12 12:05:24 ram

?RCS: patch54: protect against spaces in "uname -m" output (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1995/02/15 14:14:21 ram

?RCS: patch51: created

?RCS:

?MAKE:archname myarchname: sed Loc Myread Oldconfig osname test rm

?MAKE: -pick add \$@ %<

?S:archname:

?S: This variable is a short name to characterize the current

?S: architecture.

It is used mainly to construct the default archlib.

?S:.

?S:myarchname:

?S: This variable holds the architecture name computed by Configure in

?S: a previous run. It is not intended to be perused by any user and

?S: should never be set in a hint file.

?S:.

?C:ARCHNAME:

?C: This symbol holds a string representing the architecture name.

?C: It may be used to construct an architecture-dependant pathname

?C: where library files may be held under a private library, for

?C: instance.

?C:.

?H:#define ARCHNAME "\$archname" /\*\*/

?H:.

?T:xxx tarch

: determine the architecture name

echo " "

?X: We always recompute archname in case osname changes. However, we need

?X: to be careful since, as ADO rightfully pointed out, some systems pick  
?X: silly architecture names (0001307135000-aix on AIX or 9000/715-ux under  
?X: HP-UX). Therefore, we allow hint files to supersede our guess and ask  
?X: the user for confirmation.

```
if xxx=`./loc arch blurfl $pth`; $test -f "$xxx"; then
  tarch=`arch`-"-$osname"
elif
  xxx=`./loc uname blurfl $pth`; $test -f "$xxx" ; then
  if uname -m > tmparch 2>&1 ; then
    tarch=`$sed -e 's/*$//' -e 's/_/g' \
      -e 's/$/"-$osname/" tmparch`
  else
    tarch="$osname"
  fi
  $rm -f tmparch
else
  tarch="$osname"
fi
case "$myarchname" in
|"|$tarch") ;;
*)
  echo "(Your architecture name used to be $myarchname.)"
  archname="
  ;;
esac
case "$sarchname" in
") dflt="$tarch";;
*) dflt="$sarchname";;
esac
rp='What is your architecture name'
./myread
archname="$ans"
myarchname="$tarch"
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/archname.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.



?RCS:  
?RCS: \$Log: privlib.U,v \$  
?RCS: Revision 3.0.1.4 1995/09/25 09:17:09 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.3 1995/01/30 14:44:23 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:31:52 ram  
?RCS: patch32: now uses installation prefix  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:12:34 ram  
?RCS: patch10: added support for /local/lib (WED)  
?RCS: patch10: prompt phrasing made  
more explicit (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:35 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:privlib privlibexp installprivlib: afs package cat Getfile \  
Oldconfig Prefixit test  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:privlib:  
?S: This variable contains the eventual value of the PRIVLIB symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this directory while performing installation (with ~ substitution).  
?S:.  
?S:privlibexp:  
?S: This variable is the ~name expanded version of privlib, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?S:installprivlib:  
?S: This variable is really the same as privlibexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?C:PRIVLIB:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is  
private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C:.  
?C:PRIVLIB\_EXP:  
?C: This symbol contains the ~name expanded version of PRIVLIB, to be used  
?C: in programs that are not prepared to deal with ~ expansion at run-time.

```
?C:.
?H:#define PRIVLIB "$privlib" /**/
?H:#define PRIVLIB_EXP "$privlibexp" /**/
?H:.
: determine where private executables go
set dflt privlib lib/$package
eval $prefixit
$cat <<EOM
```

There are some auxiliary files for \$package that need to be put into a private library directory that is accessible by everyone.

```
EOM
fn=d~+
rp='Pathname where the private library files will reside?'
./getfile
if $test "X$privlibexp" != "X$ansexp"; then
installprivlib="
fi
privlib="$ans"
privlibexp="$ansexp"
if $afs; then
$cat <<EOM
```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```
EOM
case "$installprivlib" in
*) dflt=`echo $privlibexp | sed 's#^/afs/#/afs/#`";
*) dflt="$installprivlib";
esac
fn=de~
rp='Where will private files be installed?'
./getfile
installprivlib="$ans"
else
installprivlib="$privlibexp"
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/privlib.U
```

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

```
?RCS: $Id: rootid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: rootid.U,v \$  
?RCS: Revision 3.0.1.1 1995/01/30 14:45:36 ram  
?RCS: patch49: now only prints a single empty line when outputting something  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:42 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:rootid: sed  
?MAKE: -pick add \$@ %<  
?S:rootid:  
?S: This variable contains the eventual value of the ROOTID symbol,  
?S: which is the uid of root.  
?S:.  
?C:ROOTID:  
?C: This symbol contains the uid of root, normally  
0.  
?C:.  
?H:#define ROOTID \$rootid /\*\*/  
?H:.  
: determine root id  
rootid=`\$sed -e "/^root:/{s/^[^:]\*:[^:]\*:\([^:]\*\).\*\$""\1/" -e "q" -e "}" -e "d" </etc/passwd`  
case "\$rootid" in  
") rootid=0 ;;  
\*) echo " "; echo "Root uid = \$rootid" >&4 ;;  
esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/rootid.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_exp2: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_exp2:

?S: This variable conditionally defines the HAS\_EXP2 symbol, which

?S: indicates to the C program that the exp2() routine is available.

?S:  
?C:HAS\_EXP2:  
?C: This symbol, if defined, indicates that the exp2 routine is  
?C: available to do the 2\*\*x function.  
?C:  
?H:#\$d\_exp2 HAS\_EXP2 /\*\*/  
?H:  
?LINT:set d\_exp2  
: see if exp2 exists  
set exp2 d\_exp2  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_exp2.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:sitehtml3dir sitehtml3direxp installsitehtml3dir: Getfile \  
Setprefixvar prefix siteprefix html3dir sed  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:sitehtml3dir="  
?S:sitehtml3dir:  
?S: This variable contains the name of the directory in which site-specific  
?S: library html source pages are to be put. It is the responsibility of the  
?S: Makefile.SH to get the value of this into the proper command.  
?S: You must be prepared to do the ~name expansion yourself.  
?S: The standard distribution will put nothing in this directory.  
?S: After  
perl has been installed, users may install their own local  
?S: library html pages in this directory with  
?S: MakeMaker Makefile.PL  
?S: or equivalent. See INSTALL for details.  
?S:  
?D:sitehtml3direxp="  
?S:sitehtml3direxp:  
?S: This variable is the same as the sitehtml3dir variable, but is filename  
?S: expanded at configuration time, for convenient use in makefiles.

```

?S:.
?D:installsitehtml3dir="
?S:installsitehtml3dir:
?S: This variable is really the same as sitehtml3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: html3direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installsitehtml3dir
?LINT:set sitehtml3dir
?LINT:set sitehtml3direxp
: determine where add-on library html pages go
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
case
"$sitehtml3dir" in
")  dflt=`echo "$html3dir" | $sed "s#^$prefix#$siteprefix#" ` ;;
*)  dflt=$sitehtml3dir ;;
esac
case "$dflt" in
"|' ') dflt=none ;;
esac
fn=dn+~
rp='Pathname where the site-specific library html pages should be installed?'
./getfile
prefixvar=sitehtml3dir
./setprefixvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitehtml3dir.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_time.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```

?X:
?X: This unit finds which "time" include to use. If 'timezone' is used by the
?X: program, we also try to find which header should be included. Eventually,
?X: we look for <sys/select.h> if I_SYSSSELECT is used, to get struct timeval.
?X:
?MAKE:i_time i_systime i_systimek timeincl: cat cc cflags contains rm_try \
echo n c +i_sysselect Findhdr
?MAKE: -pick add $@ %<
?S:i_time:
?S: This
variable conditionally defines I_TIME, which indicates
?S: to the C program that it should include <time.h>.
?S:.
?S:i_systime:
?S: This variable conditionally defines I_SYS_TIME, which indicates
?S: to the C program that it should include <sys/time.h>.
?S:.
?S:i_systimek:
?S: This variable conditionally defines I_SYS_TIME_KERNEL, which
?S: indicates to the C program that it should include <sys/time.h>
?S: with KERNEL defined.
?S:.
?S:timeincl:
?S: This variable holds the full path of the included time header(s).
?S:.
?C:I_TIME (USE_TIME_H):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <time.h>.
?C:.
?C:I_SYS_TIME (I_SYSTIME USE_SYS_TIME_H NO_TIME_WITH_SYS_TIME):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/time.h>.
?C:.
?C:I_SYS_TIME_KERNEL (I_SYSTIMEKERNEL):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/time.h> with KERNEL defined.
?C:.
?H:#$i_time I_TIME /**/
?H:#$i_systime
I_SYS_TIME /**/
?H:#$i_systimek I_SYS_TIME_KERNEL /**/
?H:.
?W::timezone
?T:xselect flags sysselect s_timeval s_timezone
?LINT:change i_sysselect
: see if we should include time.h, sys/time.h, or both
echo " "
echo "Testing to see if we should include <time.h>, <sys/time.h> or both." >&4

```

```

$echo $n "I'm now running the test program...$c"
$cat >try.c <<'EOCP'
#include <sys/types.h>
#ifdef I_TIME
#include <time.h>
#endif
#ifdef I_SYSTIME
#ifdef SYSTIMEKERNEL
#define KERNEL
#endif
#include <sys/time.h>
#endif
#ifdef I_SYSSELECT
#include <sys/select.h>
#endif
int main()
{
    struct tm foo;
#ifdef S_TIMEVAL
    struct timeval bar;
#endif
#ifdef S_TIMEZONE
    struct timezone tzp;
#endif
    if (foo.tm_sec == foo.tm_sec)
        exit(0);
#ifdef S_TIMEVAL
    if (bar.tv_sec == bar.tv_sec)
        exit(0);
#endif
    exit(1);
}
EOCP
flags="
@if I_SYSSELECT
if $contains 'timeval.*{' `./findhdr sys/select.h` >/dev/null 2>&1; then
    xselect='-DI_SYSSELECT'
else
    xselect="
fi
@end
@if timezone
for s_timezone
in '-DS_TIMEZONE' "; do
@else
s_timezone="
@end
?X: Every package is given a try with 'struct timeval'

```

```

@if I_SYSSSELECT
for sysselect in $xselect "; do
@else
sysselect="
@end
for s_timeval in '-DS_TIMEVAL' "; do
for i_systimek in "'-DSYSTIMEKERNEL'; do
for i_time in "'-DI_TIME'; do
for i_systime in '-DI_SYSTIME' "; do
case "$flags" in
") $echo $n ".$.c"
if $cc $ccflags \
$i_time $i_systime $i_systimek $sysselect $s_timeval $s_timezone \
-o try try.c >/dev/null 2>&1 ; then
set X $i_time $i_systime $i_systimek $sysselect $s_timeval
shift
flags="$*"
echo " "
$echo $n "Succeeded with $flags$c"
fi
;;
esac
done
done
done
done
done
@if I_SYSSSELECT
done
@end
@if timezone
done
@end
timeincl="
echo " "
case "$flags" in
*SYSTIMEKERNEL*) i_systimek="$define"
timeincl=`./findhdr sys/time.h`
echo "We'll include <sys/time.h> with KERNEL defined." >&4;;
*) i_systimek="$undef";;
esac
case "$flags" in
*I_TIME*) i_time="$define"
timeincl=`./findhdr time.h`" $timeincl"
echo
"We'll include <time.h>." >&4;;
*) i_time="$undef";;
esac
case "$flags" in

```



```

*I_SYSTIME*) i_systime="$define"
timeincl=`./findhdr sys/time.h` $timeincl"
echo "We'll include <sys/time.h>." >&4;;
*) i_systime="$undef";;
esac
@if I_SYSSSELECT
case "$flags" in
*I_SYSSSELECT*) i_syssselct="$define"
timeincl=`./findhdr sys/select.h` $timeincl"
echo "We'll also include <sys/select.h> to get struct timeval." >&4;;
*) case "$i_syssselct" in
") i_syssselct="$undef";;
esac
esac
@end
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_time.U

```

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

?RCS: \$Id: socksizetype.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:socksizetype: \

Protochk Oldconfig Myread cat d\_socket d\_socklen\_t sizetype \  
usesocks i\_socks i\_systypes extern\_C

?MAKE: -pick add \$@ %<

?S:socksizetype:

?S: This variable holds the type used for the size argument

?S: for various socket calls like accept. Usual values include

?S: socklen\_t, size\_t, and int.

?S:.

?C:Sock\_size\_t:

?C: This symbol holds the type used for the size argument of

?C: various socket calls (just the base type, not the pointer-to).

?C:.

?H:#define Sock\_size\_t \$socksizetype /\*\*/

?H:.

?T:xxx yyy try

@if Sock\_size\_t

: check for type of the size argument to socket calls

case "\$d\_socket" in

```
"$define")
$cat <<EOM
```

Checking to see what type is the last argument  
of accept().

```
EOM
```

```
yyy="
case "$d_socklen_t" in
"$define") yyy="$yyy socklen_t"
esac
yyy="$yyy $sizetype int long unsigned"
for xxx in $yyy; do
case "$socksizetype" in
") try="$extern_C int accept(int, struct sockaddr *, $xxx *);"
case "$usesocks" in
"$define")
if ./protochk "$try" $i_systypes sys/types.h $d_socket sys/socket.h literal '#define INCLUDE_PROTOTYPES'
$i_socks socks.h.; then
echo "Your system accepts '$xxx *' for the last argument of accept()."
socksizetype="$xxx"
fi
;;
*) if ./protochk "$try" $i_systypes sys/types.h $d_socket sys/socket.h; then
echo "Your system accepts '$xxx *' for the last argument of accept()."
socksizetype="$xxx"
fi
;;
esac
;;
esac
done
: In case none of those worked, prompt the user.
case "$socksizetype" in
") rp='What is the type for socket address structure sizes?'
dflt='int'
./myread
socksizetype=$ans
;;
esac
;;
*) : no sockets, so pick relatively harmless default
socksizetype='int'
;;
esac
@end
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/socksizetype.U
```

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

?RCS: \$Id: d\_srand48\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_srand48\_r srand48\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_stdlib extern\_C

?MAKE: -pick add \$@ %<

?S:d\_srand48\_r:

?S: This variable conditionally defines the HAS\_SRAND48\_R symbol,

?S: which indicates to the C program that the srand48\_r()

?S: routine is available.

?S:.

?S:srand48\_r\_proto:

?S: This variable encodes the prototype of srand48\_r.

?S: It is zero if d\_srand48\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_srand48\_r

?S: is defined.

?S:.

?C:HAS\_SRAND48\_R:

?C: This symbol, if defined, indicates that the srand48\_r routine

?C: is available to srand48 re-entrantly.

?C:.

?C:SRAND48\_R\_PROTO:

?C: This

symbol encodes the prototype of srand48\_r.

?C: It is zero if d\_srand48\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_srand48\_r

?C: is defined.

?C:.

?H:#\$d\_srand48\_r HAS\_SRAND48\_R /\*\*/

?H:#define SRAND48\_R\_PROTO \$srand48\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_srand48\_r\_proto

: see if srand48\_r exists

set srand48\_r d\_srand48\_r

eval \$inlibc

case "\$d\_srand48\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_stdlib stdlib.h"

```

case "$d_srand48_r_proto:$susetheads" in
":define") d_srand48_r_proto=define
set d_srand48_r_proto srand48_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_srand48_r_proto" in
define)
case "$srand48_r_proto" in
"|0) try='int srand48_r(long, struct drand48_data*);'
./protochk "$extern_C $try" $hdrs && srand48_r_proto=I_LS ;;
esac
case "$srand48_r_proto" in
"|0) d_srand48_r=undef
srand48_r_proto=0
echo "Disabling srand48_r, cannot determine prototype." >&4 ;;
* ) case
"$srand48_r_proto" in
REENTRANT_PROTO*) ;;
*) srand48_r_proto="REENTRANT_PROTO_$$srand48_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetheads" in
define) echo "srand48_r has no prototype, not using it." >&4 ;;
esac
d_srand48_r=undef
srand48_r_proto=0
;;
esac
;;
*) srand48_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_srand48_r.U
```

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?RCS: of the source tree for dist 3.0.

?RCS:  
?MAKE:d\_wctomb: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_wctomb:  
?S: This variable conditionally defines the HAS\_WCRTOMB symbol if the  
?S: wctomb() routine is available to be used to convert a wide character  
?S: into a multi-byte character.  
?S:.  
?C:HAS\_WCRTOMB:  
?C: This symbol, if defined, indicates that the wctomb routine is  
?C: available to convert a wide character into a multi-byte character.  
?C:.  
?H:#\$d\_wctomb HAS\_WCRTOMB /\*\*/  
?H:.  
?LINT: set d\_wctomb  
: see if wctomb exists  
set wctomb d\_wctomb  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_wctomb.U

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?RCS:

?MAKE:d\_llround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llround:

?S: This variable conditionally defines the HAS\_LLROUND symbol, which

?S: indicates to the C program that the llround() routine is available

?S: to return the long long value nearest to x.

?S:.

?C:HAS\_LLROUND:

?C: This symbol, if defined, indicates that the llround routine is

?C: available to return the nearest long long value.

?C:.

?H:#\$d\_llround HAS\_LLROUND /\*\*/  
?H:.

?LINT:set d\_llround

: see if llround exists

set llround d\_llround

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_llround.U

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?RCS:

?MAKE:d\_eref: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_eref:

?S: This variable conditionally defines the HAS\_ERF symbol, which

?S: indicates to the C program that the erf() routine is available.

?S:.

?C:HAS\_ERF:

?C: This symbol, if defined, indicates that the erf routine is

?C: available to do the error function.

?C:.

?H:#\$d\_eref HAS\_ERF /\*\*/

?H:.

?LINT:set d\_eref

: see if erf exists

set erf d\_eref

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_eref.U

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

?RCS: \$Id: d\_regcmp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_regcmp.U,v \$

?RCS: Revision 3.0.1.1 1995/01/30 14:34:45 ram

?RCS: patch49: now looks for POSIX regcomp() routine

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:53 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_regcmp d\_re\_comp d\_regcomp: Csym cat

?MAKE: -pick add \$@ %<

?S:d\_regcomp:

?S: This variable conditionally defines the HAS\_REGCOMP symbol, which

?S: indicates to the C program that the regcomp() routine is available  
 ?S: for regular  
 pattern matching (usually on POSIX.2 conforming systems).  
 ?S:.  
 ?S:d\_regcomp:  
 ?S: This variable conditionally defines the HAS\_REGCOMP symbol, which  
 ?S: indicates to the C program that the regcomp() routine is available  
 ?S: for regular pattern matching (usually on System V).  
 ?S:.  
 ?S:d\_re\_comp:  
 ?S: This variable conditionally defines the HAS\_RECOMP symbol, which  
 ?S: indicates to the C program that the re\_comp() routine is available  
 ?S: for regular pattern matching (usually on BSD). If so, it is likely that  
 ?S: re\_exec() exists.  
 ?S:.  
 ?C:HAS\_REGCOMP (REGCOMP):  
 ?C: This symbol, if defined, indicates that the regcomp() routine is  
 ?C: available to do some regular pattern matching (usually on POSIX.2  
 ?C: conforming systems).  
 ?C:.  
 ?C:HAS\_REGCOMP (REGCOMP):  
 ?C: This symbol, if defined, indicates that the regcomp() routine is  
 ?C: available to do some regular pattern matching (usually on System V).  
 ?C:.  
 ?C:HAS\_RECOMP (RECOMP):  
 ?C: This symbol, if defined, indicates that the re\_comp() routine is  
 ?C: available  
 to do some regular pattern matching (usually on BSD). If so,  
 ?C: it is likely that re\_exec() be available.  
 ?C:.  
 ?H:#\$d\_regcomp HAS\_REGCOMP /\* POSIX.2 \*/  
 ?H:#\$d\_regcomp HAS\_REGCOMP /\* sysV \*/  
 ?H:#\$d\_re\_comp HAS\_RECOMP /\* BSD \*/  
 ?H:.  
 ?T:val  
 : see if regcomp, regcomp, or re\_comp exist, for regular pattern matching  
 echo " "  
 if set regcomp val -f d\_regcomp; eval \$csym; \$val; then  
 echo 'regcomp() found.' >&4  
 d\_regcomp="\$define"  
 d\_re\_comp="\$undef"  
 elif set regcomp val -f d\_regcomp; eval \$csym; \$val; then  
 echo 'regcomp() found.' >&4  
 d\_regcomp="\$define"  
 d\_re\_comp="\$undef"  
 elif set re\_comp val -f d\_re\_comp; eval \$csym; \$val; then

```

echo 're_comp() found, assuming re_exec() also exists.' >&4
d_re_comp="$define"
d_regcomp="$undef"
d_regcmp="$undef"
else
$cat >&4 <<EOM
No regcomp(), regcmp() nor re_comp() found !! No regular pattern matching.
EOM
d_regcmp="$undef"
d_re_comp="$undef"
d_regcomp="$undef"
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_regcmp.U

```

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?RCS:

?MAKE:d\_ctime64 d\_localtime64 d\_gmtime64 d\_mktime64 d\_difftime64 d\_asctime64: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ctime64:

?S: This variable conditionally defines the HAS\_CTIME64 symbol, which

?S: indicates to the C program that the ctime64 () routine is available.

?S:.

?S:d\_localtime64:

?S: This variable conditionally defines the HAS\_LOCALTIME64 symbol, which

?S: indicates to the C program that the localtime64 () routine is available.

?S:.

?S:d\_gmtime64:

?S: This variable conditionally defines the HAS\_GMTIME64 symbol, which

?S: indicates to the C program that the gmtime64 () routine is available.

?S:.

?S:d\_mktime64:

?S: This variable conditionally defines the HAS\_MKTIME64 symbol, which

?S: indicates to the

C program that the mktime64 () routine is available.

?S:.

?S:d\_difftime64:

?S: This variable conditionally defines the HAS\_DIFFTIME64 symbol, which

?S: indicates to the C program that the difftime64 () routine is available.

?S:.



?S:d\_asctime64:  
 ?S: This variable conditionally defines the HAS\_ASCTIME64 symbol, which  
 ?S: indicates to the C program that the asctime64 () routine is available.  
 ?S:.

?C:HAS\_CTIME64:  
 ?C: This symbol, if defined, indicates that the ctime64 () routine is  
 ?C: available to do the 64bit variant of ctime ()  
 ?C:.

?C:HAS\_LOCALTIME64:  
 ?C: This symbol, if defined, indicates that the localtime64 () routine is  
 ?C: available to do the 64bit variant of localtime ()  
 ?C:.

?C:HAS\_GMTIME64:  
 ?C: This symbol, if defined, indicates that the gmtime64 () routine is  
 ?C: available to do the 64bit variant of gmtime ()  
 ?C:.

?C:HAS\_MKTIME64:  
 ?C: This symbol, if defined, indicates that the mktime64 () routine is  
 ?C: available to do the 64bit variant of mktime ()  
 ?C:.

?C:HAS\_DIFFTIME64:  
 ?C: This  
 symbol, if defined, indicates that the difftime64 () routine is  
 ?C: available to do the 64bit variant of difftime ()  
 ?C:.

?C:HAS\_ASCTIME64:  
 ?C: This symbol, if defined, indicates that the asctime64 () routine is  
 ?C: available to do the 64bit variant of asctime ()  
 ?C:.

?H:#\$d\_ctime64 HAS\_CTIME64 /\*\*/  
 ?H:#\$d\_localtime64 HAS\_LOCALTIME64 /\*\*/  
 ?H:#\$d\_gmtime64 HAS\_GMTIME64 /\*\*/  
 ?H:#\$d\_mktime64 HAS\_MKTIME64 /\*\*/  
 ?H:#\$d\_difftime64 HAS\_DIFFTIME64 /\*\*/  
 ?H:#\$d\_asctime64 HAS\_ASCTIME64 /\*\*/  
 ?H:.

?LINT:set d\_ctime64 d\_localtime64 d\_gmtime64 d\_mktime64 d\_difftime64 d\_asctime64  
 : see if 64bit time functions exists

set ctime64 d\_ctime64  
 eval \$inlibc

set localtime64 d\_localtime64  
 eval \$inlibc

set gmtime64 d\_gmtime64  
 eval \$inlibc

```
set mktime64 d_mkttime64
```

```
eval $inlibc
```

```
set difftime64 d_difftime64
```

```
eval $inlibc
```

```
set asctime64 d_asctime64
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_timefuncs64.U
```

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

```
?RCS: $Id: i_math.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
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?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: i_math.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/08/29 16:21:59 ram
```

```
?RCS: patch32: created by ADO
```

```
?RCS:
```

```
?MAKE:i_math: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?X: Are there really systems that *DON'T* have math.h?
```

```
?S:i_math:
```

```
?S: This variable conditionally defines the I_MATH symbol, and indicates
```

```
?S: whether a C program may include <math.h>.
```

```
?S:.
```

```
?C:I_MATH:
```

```
?C: This symbol, if defined, indicates
```

```
to the C program that it should
```

```
?C: include <math.h>.
```

```
?C:.
```

```
?H:#$i_math I_MATH /**/
```

```
?H:.
```

```
?LINT:set i_math
```

```
: see if this is a math.h system
```

```
set math.h i_math
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_math.U
```

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?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: \$Log: lseektype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:30:10 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:lseektype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:lseektype:

?S: This variable defines lseektype to be something like off\_t, long,

?S: or whatever type is used to declare lseek offset's type in the

?S: kernel (which also appears to be lseek's return type).

?S:.

?C:Off\_t

(LSEEKTYPE):

?C: This symbol holds the type used to declare offsets in the kernel.

?C: It can be int, long, off\_t, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?H:#define Off\_t \$lseektype /\* <offset> type \*/

?H:.

: see what type lseek is declared as in the kernel

set off\_t lseektype long stdio.h sys/types.h

eval \$typedef

echo " "

dflt="\$lseektype"

rp="What type is lseek's offset on this system declared as?"

./myread

lseektype="\$ans"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lseektype.U

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

?RCS: \$Id: Findhdr.U,v 3.0.1.2 1994/10/29 15:53:08 ram Exp \$  
?RCS:  
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?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>  
?RCS:  
?RCS: \$Log: Findhdr.U,v \$  
?RCS: Revision 3.0.1.2 1994/10/29 15:53:08 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 14:03:56 ram  
?RCS: patch23: cppminus must be after other cppflags, not before  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:54 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit produces a findhdr script which  
is used to locate the header  
?X: files in \$usrinc or other stranger places using cpp capabilities. The  
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'  
?X: and it returns the full path of the include file and a zero status or an  
?X: empty string with an error status if the file could not be located.  
?X:  
?MAKE:Findhdr: grep test tr rm incpth awk cat startsh \  
cppstdin cppminus +cppflags osname  
?MAKE: -pick add \$@ %<  
?LINT:extern cppfilter  
?LINT:define fieldn  
?S:fieldn:  
?S: This variable is used internally by Configure. It contains the position  
?S: of the included file name in cpp output. That is to say, when cpp  
?S: pre-processes a #include <file> line, it replaces it by a # line which  
?S: contains the original position in the input file and the full name of  
?S: included file, between "quotes".  
?S:.  
?V:fieldn  
?F:./findhdr !fieldn

```

?T:cline pos wanted name awkprg usrinmdir status testaccess
: determine filename position in cpp output
echo " "
echo "Computing
filename position in cpp output for #include directives..." >&4
case "$osname" in
amigaos) fieldn=3 ;; # Workaround for a bug in abc (pdksh).
esac
case "$fieldn" in
")
case "$osname" in
vos) testaccess=-e ;;
*) testaccess=-r ;;
esac
echo '#include <stdio.h>' > foo.c
$cat >fieldn <<EOF
$startsh
$cppstdin $cppflags $cppminus <foo.c 2>/dev/null | \
$grep '^[ ]*#.*stdio.h' | \
while read cline; do
pos=1
set \ $cline
while $test \ $# -gt 0; do
if $test $testaccess \ `echo \ $1 | $tr -d ""`; then
echo "\ $pos"
exit 0
fi
shift
pos=\ `expr \ $pos + 1`
done
done
EOF
chmod +x fieldn
fieldn=`./fieldn`
$rm -f foo.c fieldn
;;
esac
case $fieldn in
") pos='???';;
1) pos=first;;
2) pos=second;;
3) pos=third;;
*) pos="{fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

```

?X: To locate a header file, we cannot simply check for \$usrinc/file.h, since  
?X: some machine have the headers in weird places and our only hope is that

```

?X: the C pre-processor
will know how to find those headers. Thank you Next!
: locate header file
$cat >findhdr <<EOF
$startsh
wanted=\$1
name=""
for usrinmdir in $incpth
do
if test -f \$usrinmdir/\$wanted; then
echo "\$usrinmdir/\$wanted"
exit 0
fi
done
awkprg='{ print \$$fieldn }'
echo "#include <\$wanted>" > foo\$\$.c
$cpptest $cpptestminus $cpptestflags < foo\$\$.c 2>/dev/null | \
$cpptestfilter $grep "^[ ]*#.*\$wanted" | \
while read cline; do
name=\echo \$cline | $awk "\$awkprg" | $str -d ""\`
case "\$name" in
*[\|\\\]\$wanted) echo "\$name"; exit 1;;
*[\|\\\]\$wanted) echo "\$name"; exit 1;;
*) exit 2;;
esac;
done;
#
# status = 0: grep returned 0 lines, case statement not executed
# status = 1: headerfile found
# status = 2: while loop executed, no headerfile found
#
status=\$?
$rm -f foo\$\$.c;
if test \$status -eq 1; then
exit 0;
fi
exit 1
EOF
chmod +x findhdr

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Findhdr.U

```

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?RCS: \$Id: i\_bfd.U,v \$

?RCS:

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?RCS:  
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 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?MAKE:i\_bfd: Inhdr Hasfield  
 ?MAKE: -pick add \$@ %<  
 ?S:i\_bfd:  
 ?S: This variable conditionally defines the I\_BFD symbol, and  
 ?S: indicates whether a C program can include <bfd.h>.  
 ?S:.  
 ?C:I\_BFD:  
 ?C: This symbol, if defined, indicates that <bfd.h> exists and  
 ?C: can be included.  
 ?C:.  
 ?H:#\$i\_bfd I\_BFD /\*\*/  
 ?H:.  
 ?LINT:set i\_bfd  
 : see if this is a bfd.h system  
 set bfd.h i\_bfd  
 eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_bfd.U

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

?RCS: \$Id\$  
 ?RCS:  
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 ?RCS:  
 ?RCS: You may distribute under the terms of either the GNU General Public  
 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?MAKE:d\_modfl d\_modflproto: Inlibc Compile Hasproto cat \  
 test ccflags uselongdouble \  
 d\_sqrtl d\_aintl d\_copysignl d\_ilogbl d\_scalbnl d\_frexp d\_ldexpl \  
 d\_truncl  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_modfl:  
 ?S: This variable conditionally defines the HAS\_MODFL symbol, which  
 ?S: indicates to the C program that the modfl() routine is available.  
 ?S:.  
 ?S:d\_modflproto:  
 ?S: This symbol, if defined, indicates that the system provides  
 ?S: a prototype for the modfl() function. Otherwise, it is up  
 ?S: to the program to supply one. C99 says it should be  
 ?S: long double modfl(long double, long double \*);  
 ?S:.

?C:HAS\_MODFL:

?C: This symbol, if defined, indicates that the modfl routine is

?C: available to split a long double

x into a fractional part f and

?C: an integer part i such that  $|f| < 1.0$  and  $(f + i) = x$ .

?C:.

?C:HAS\_MODFL\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the modfl() function. Otherwise, it is up

?C: to the program to supply one.

?C:.

?H:#\$d\_modfl HAS\_MODFL /\*\*/

?H:#\$d\_modflproto HAS\_MODFL\_PROTO /\*\*/

?H:.

?T:message

?LINT:set d\_modfl

?LINT:set d\_modflproto

?LINT:change ccflags

: see if modfl exists

set modfl d\_modfl

eval \$inlibc

: see if prototype for modfl is available

echo " "

set d\_modflproto modfl define math.h

eval \$hasproto

if \$test "\$uselongdouble" = "\$define"; then

message=""

if \$test "\$d\_sqrtl" != "\$define"; then

message="\$message sqrtl"

fi

if \$test "\$d\_modfl" != "\$define"; then

if \$test "\$d\_trunc1:\$d\_copysign1" = "\$define:\$define"; then

echo "You have both trunc1 and copysign1, so I can emulate modfl."

else

if \$test "\$d\_aint1:\$d\_copysign1" = "\$define:\$define"; then

echo "You have both aint1

and copysign1, so I can emulate modfl."

else

message="\$message modfl"

fi

fi

fi

if \$test "\$d\_frexp1" != "\$define"; then

if \$test "\$d\_ilogbl:\$d\_scalbn1" = "\$define:\$define"; then

echo "You have both ilogbl and scalbn1, so I can emulate frexp1."

else



```
    message="$message frexpl"
fi
fi
if $test "$d_ldexpl" != "$define"; then
message="$message ldexpl"
fi
```

```
if $test "$message" != ""; then
$cat <<EOM >&4
```

```
*** You requested the use of long doubles but you do not seem to have
*** the following mathematical functions needed for long double support:
*** $message
*** Please rerun Configure without -Duselongdouble and/or -Dusemorebits.
*** Cannot continue, aborting.
```

EOM

```
exit 1
fi
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_modfl.U
```

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

?RCS: \$Id: d\_endpwent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endpwent\_r endpwent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_pwd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endpwent\_r:

?S: This variable conditionally defines the HAS\_ENDPWENT\_R symbol,

?S: which indicates to the C program that the endpwent\_r()

?S: routine is available.

?S:.

?S:endpwent\_r\_proto:

?S: This variable encodes the prototype of endpwent\_r.

?S: It is zero if d\_endpwent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endpwent\_r

?S: is defined.

```

?S:.
?C:HAS_ENDPWENT_R:
?C: This symbol, if defined, indicates that the endpwent_r routine
?C: is available to
endpwent re-entrantly.
?C:.
?C:ENDPWENT_R_PROTO:
?C: This symbol encodes the prototype of endpwent_r.
?C: It is zero if d_endpwent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_endpwent_r
?C: is defined.
?C:.
?H:#$d_endpwent_r HAS_ENDPWENT_R /**/
?H:#define ENDPWENT_R_PROTO $endpwent_r_proto /**/
?H:.
?T:try hdrs d_endpwent_r_proto
: see if endpwent_r exists
set endpwent_r d_endpwent_r
eval $inlibc
case "$d_endpwent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_pwd pwd.h"
case "$d_endpwent_r_proto:$usetthreads" in
":define") d_endpwent_r_proto=define
set d_endpwent_r_proto endpwent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_endpwent_r_proto" in
define)
case "$endpwent_r_proto" in
"|0) try='int endpwent_r(FILE**);'
./prochck "$extern_C $try" $hdrs && endpwent_r_proto=I_H ;;
esac
case "$endpwent_r_proto" in
"|0) try='void endpwent_r(FILE**);'
./prochck "$extern_C $try" $hdrs && endpwent_r_proto=V_H ;;
esac
case "$endpwent_r_proto"
in
"|0) d_endpwent_r=undef
endpwent_r_proto=0
echo "Disabling endpwent_r, cannot determine prototype." >&4 ;;
* ) case "$endpwent_r_proto" in
REENTRANT_PROTO*) ;;
*) endpwent_r_proto="REENTRANT_PROTO_$endpwent_r_proto" ;;
esac
echo "Prototype: $try" ;;

```

```

esac
;;
*) case "$usethreads" in
define) echo "endpwent_r has no prototype, not using it." >&4 ;;
esac
d_endpwent_r=undef
endpwent_r_proto=0
;;
esac
;;
*) endpwent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_endpwent\_r.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: usrinc.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:27:12 ram

?RCS: patch61: don't ask for the include path unless they are on a MIPS

?RCS:

?RCS: Revision 3.0.1.2 1995/05/12 12:24:36 ram

?RCS: patch54: ensure that ./mips always exists (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:18:31 ram

?RCS: patch23: ensure usrinc value is preserved across sessions (WED)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:usrinc incpath mips\_type:

test cat echo n c Getfile Guess \

Oldconfig eunicefix contains rm

?MAKE: -pick add \$@ %<

?S:usrinc:

?S: This variable holds the path of the include files, which is

?S: usually /usr/include. It is mainly used by other Configure units.

?S:.

?S:incpath:

?S: This variable must precede the normal include path to get the

?S: right one, as in "\$incpath/usr/include" or "\$incpath/usr/lib".

?S: Value can be "" or "/bsd43" on mips.

?S:.

?S:mips\_type:

?S: This variable holds the environment type for the mips system.

?S: Possible values are "BSD 4.3" and "System V".

?S:.

?D:usrinc='/usr/include'

?LINT:create mips

?T:xxx\_prompt

?F:./mips

: What should the include directory be ?

echo " "

\$echo \$n "Hmm... \$c"

dflt='/usr/include'

incpath=""

?X: mips\_type is used later, to add -DSYSTYPE\_BSD43 to cppflags if needed.

mips\_type=""

?X:

?X: Cannot put the following in Guess, or we get a circular dependency.

?X:

if \$test -f /bin/mips && /bin/mips; then

echo "Looks like a MIPS system..."

\$cat >usr.c

<<<'EOCP'

#ifdef SYSTYPE\_BSD43

/bsd43

#endif

EOCP

if cc -E usr.c > usr.out && \$contains /usr.out >/dev/null 2>&1; then

dflt='/bsd43/usr/include'

incpath='/bsd43'

mips\_type='BSD 4.3'

else

mips\_type='System V'

fi

\$rm -f usr.c usr.out

echo "and you're compiling with the \$mips\_type compiler and libraries."

xxx\_prompt=y

echo "exit 0" >mips

else

echo "Doesn't look like a MIPS system."

xxx\_prompt=n

echo "exit 1" >mips

```

fi
chmod +x mips
$unicefix mips
case "$usrinc" in
") ;;
*) dflt="$usrinc";;
esac
case "$xxx_prompt" in
y) fn=d/
echo " "
rp='Where are the include files you want to use?'
./getfile
usrinc="$ans"
;;
*) usrinc="$dflt"
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/usrinc.U
```

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

?RCS: \$Id: afs.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: afs.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:23:06 ram

?RCS: patch61: can now explicitly tell Configure whether AFS is running

?RCS:

?RCS: Revision 3.0.1.1 1993/08/24 12:24:43 ram

?RCS: patch3: created

?RCS:

?MAKE:afs afsroot: test

?MAKE: -pick add \$@ %<

?S:afs:

?S: This variable is set to 'true' if AFS (Andrew File System) is used

?S: on the system, 'false' otherwise. It is possible to override this

?S: with a hint value or command line option,

but you'd better know

?S: what you are doing.

?S:  
?S:afsroot:  
?S: This variable is by default set to '/afs'. In the unlikely case  
?S: this is not the correct root, it is possible to override this with  
?S: a hint value or command line option. This will be used in subsequent  
?S: tests for AFSness in the configure and test process.

```
?S:
: allow them to override the AFS root
case "$afsroot" in
") afsroot=/afs ;;
*) afsroot=$afsroot ;;
esac
```

```
: is AFS running?
echo " "
case "$afs" in
$define|true) afs=true ;;
$undef|false) afs=false ;;
*) if $test -d $afsroot; then
    afs=true
    else
    afs=false
    fi
;;
esac
if $afs; then
    echo "AFS may be running... I'll be extra cautious then..." >&4
else
    echo "AFS does not seem to be running..." >&4
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/afs.U
```

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

```
?RCS: $Id: inc_version_list.U,v $
?RCS:
?RCS: Copyright (c) 2000 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: inc_version_list.U,v $
?RCS:
```

```

?MAKE:inc_version_list inc_version_list_init d_inc_version_list: cat sed \
Getfile perl5 version api_versionstring rm Myread archname \
prefix sitelib_stem exe_ext
?MAKE: -pick add $@ %<
?Y:TOP
?S:inc_version_list:
?S: This variable specifies the list of subdirectories in over
?S: which perl.c:incpush() and lib/lib.pm will automatically
?S: search when adding directories to @INC. The elements in
?S: the list are separated by spaces. This is only useful
?S: if
you have a perl library directory tree structured like the
?S: default one. See INSTALL for how this works. The versioned
?S: site_perl directory was introduced in 5.005, so that is the
?S: lowest possible value.
?S:
?S: This list includes architecture-dependent directories back to
?S: version $api_versionstring (e.g. 5.5.640) and
?S: architecture-independent directories all the way back to
?S: 5.005.
?S:.
?S:inc_version_list_init:
?S: This variable holds the same list as inc_version_list, but
?S: each item is enclosed in double quotes and separated by commas,
?S: suitable for use in the PERL_INC_VERSION_LIST initialization.
?S:.
?S:d_inc_version_list:
?S: This variable conditionally defines PERL_INC_VERSION_LIST.
?S: It is set to undef when PERL_INC_VERSION_LIST is empty.
?S:.
?C:PERL_INC_VERSION_LIST:
?C: This variable specifies the list of subdirectories in over
?C: which perl.c:incpush() and lib/lib.pm will automatically
?C: search when adding directories to @INC, in a format suitable
?C: for
a C initialization string. See the inc_version_list entry
?C: in Porting/Glossary for more details.
?C:.
?H:#$d_inc_version_list PERL_INC_VERSION_LIST $inc_version_list_init /**/
?H:.
?T:stem
: Determine list of previous versions to include in @INC
$cat > getverlist <<EOPL
# !$perl5 -w
use File::Basename;
\ $api_versionstring = "$api_versionstring";
\ $version = "$version";
\ $stem = "$sitelib_stem";

```

```

\$archname = "$archname";
EOPL
$cat >> getverlist <<'EOPL'
# The list found is store twice for each entry: the original name, and
# the binary broken down version as pack "sss", so sorting is easy and
# unambiguous. This will work for all versions that have a maximum of
# three digit groups, separate by '.'s or '_'s. Names are extended with
# ".0.0" to ensure at least three elements for the pack.
# -- H.Merijn Brand (m)'06 23-10-2006

# Can't have leading @ because metaconfig interprets it as a command!
;@inc_version_list=();
# XXX Redo to do opendir/readdir?
if (-d $stem)
{
  chdir($stem);
  ;@candidates = map {
[ $_, pack "sss", split m/[._]/, "$_.0.0" ] } glob("5.*");
  ;@candidates = sort { $a->[1] cmp $b->[1]} @candidates;
}
else {
  ;@candidates = ();
}

($pversion, $aversion, $vs5005) = map {
  pack "sss", split m/[._]/, "$_.0.0" } $version, $api_versionstring, "5.005";
foreach $d (@candidates) {
  if ($d->[1] lt $pversion) {
  if ($d->[1] ge $aversion) {
    unshift(@inc_version_list, grep { -d } $d->[0]."/$archname", $d->[0]);
  }
  elsif ($d->[1] ge $vs5005) {
    unshift(@inc_version_list, grep { -d } $d->[0]);
  }
  }
  else {
# Skip newer version. I.e. don't look in
# 5.7.0 if we're installing 5.6.1.
  }
}

if (@inc_version_list) {
  print join(' ', @inc_version_list);
}
else {
  # Blank space to preserve value for next Configure run.
  print " ";
}

```



```

EOPL
chmod +x getverlist
case "$inc_version_list" in
") if test -x "$perl5$exe_ext"; then
  dflt=`$perl5 getverlist`
else
  dflt='none'
fi
;;
$undef) dflt='none'
;;
?X:  Configure -Dinc_version_list='5.6.0/$archname 5.6.0' ...
*) eval dflt=\"\$inc_version_list\" ;;
esac
case "$dflt" in
'| ') dflt=none ;;
esac
case "$dflt" in
5.005) dflt=none ;;
esac
$cat <<EOM

```

In order to ease the process of upgrading, this version of perl can be configured to use modules built and installed with earlier versions of perl that were installed under \$prefix. Specify here the list of earlier versions that this version of perl should check. If Configure detected no earlier versions of perl installed under \$prefix, then the list will be empty. Answer 'none' to tell perl to not search earlier versions.

The default should almost always be sensible, so if you're not sure, just accept the default.

EOM

```

rp='List of earlier versions to include in @INC?'
./myread
case "$ans" in
[Nn]one|'| '$undef) inc_version_list=' ' ;;
*) inc_version_list="$ans" ;;
esac
case "$inc_version_list" in
'| ')
inc_version_list_init='0'
d_inc_version_list="$undef"
;;
*) inc_version_list_init=`echo
$inc_version_list |
$sed -e 's/^/' -e 's/ /','/g' -e 's/$/',0/'

```

```
d_inc_version_list="$define"
```

```
::
```

```
esac
```

```
$rm -f getverlist
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/inc_version_list.U
```

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

```
?RCS: $Id: d_raster.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_raster.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:50 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_raster rasterlib: cat test Setvar Myread Oldconfig
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_raster:
```

```
?S: Conditionally defines RASTER_TEK if this is a raster tech machine.
```

```
?S:.
```

```
?S:rasterlib (d_rasterlib):
```

```
?S: Set to the needed compile flag if this is a raster tech machine.
```

```
?S: It is up to the Makefile to use this variable.
```

```
?S:.
```

```
?C:RASTER_TEK:
```

```
?C: Defined
```

```
if this is a rastertech machine.
```

```
?C:.
```

```
?H:#$d_raster RASTER_TEK /**/
```

```
?H:.
```

```
?LINT:set d_raster
```

```
: See if this is a raster tech machine.
```

```
val="$undef"
```

```
rasterlib="
```

```
if $test -r /dev/mirage; then
```

```
$cat <<'EOM'
```

You seem to have a mirage device... this is normally associated with a raster technologies graphics workstation. If this is right, you may want to use raster

tech in this program.

```
EOM
dflt=y
case "$d_raster" in
"$sundef") dflt=n;;
esac
rp='Use raster tech?'
./myread
case "$ans" in
y*) val="$define";;
esac
fi
set d_raster
eval $setvar

case "$d_raster" in
"$define") rasterlib='-lphigs';;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_raster.U
```

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

```
?RCS: $Id: d_memcpy.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_memcpy.U,v $
?RCS: Revision 3.0.1.1 1993/09/13 16:02:58 ram
?RCS: patch10: removed text recommending bcopy over memcpy (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:34 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_memcpy: Inlibc
?MAKE: -pick add $@ %<
?S:d_memcpy:
?S: This variable conditionally defines the HAS_MEMCPY symbol, which
?S: indicates to the C program that the memcpy() routine is available
?S: to copy blocks of
```

memory.

?S:.

?C:HAS\_MEMCPY (MEMCPY):

?C: This symbol, if defined, indicates that the memcpy routine is available

?C: to copy blocks of memory.

?C:.

?H:#\$d\_memcpy HAS\_MEMCPY /\*\*/

?H:.

?LINT:set d\_memcpy

: see if memcpy exists

set memcpy d\_memcpy

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memcpy.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_unordered: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_unordered:

?S: This variable conditionally defines the HAS\_UNORDERED symbol, which

?S: indicates to the C program that the unordered() routine is available.

?S:.

?C:HAS\_UNORDERED:

?C: This symbol, if defined, indicates that the unordered routine is

?C: available to check whether two doubles are unordered

?C: (effectively: whether either of them is NaN)

?C:.

?H:#\$d\_unordered HAS\_UNORDERED /\*\*/

?H:.

?LINT:set d\_unordered

: see if unordered exists

set unordered d\_unordered

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_unordered.U

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_gethent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_gethent: Inlibc
?MAKE: -pick add $@ %<
?S:d_gethent:
?S: This variable conditionally defines HAS_GETHOSTENT if gethostent() is
?S: available to dup file descriptors.
?S:.
?C:HAS_GETHOSTENT (GETHOSTENT):
?C: This symbol, if defined, indicates that the gethostent routine is
?C: available to lookup host names in some data base or other.
?C:.
?H:#$d_gethent HAS_GETHOSTENT /**/
?H:.
?LINT:set
d_gethent
: see if gethostent exists
set gethostent d_gethent
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_gethent.U

```

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: scriptdir.U,v $

```

?RCS: Revision 3.0.1.3 1995/09/25 09:17:15 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.2 1995/01/30 14:46:13 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/08/29 16:32:04 ram  
?RCS: patch32: now uses installation prefix  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:45 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:scriptdir scriptdirexp installscript:  
afs cat test Getfile Loc \  
Oldconfig +bin Prefixit prefixexp Prefixup  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:scriptdir:  
?S: This variable holds the name of the directory in which the user wants  
?S: to put publicly scripts for the package in question. It is either  
?S: the same directory as for binaries, or a special one that can be  
?S: mounted across different architectures, like /usr/share. Programs  
?S: must be prepared to deal with ~name expansion.  
?S:.  
?S:scriptdirexp:  
?S: This variable is the same as scriptdir, but is filename expanded  
?S: at configuration time, for programs not wanting to bother with it.  
?S:.  
?S:installscript:  
?S: This variable is usually the same as scriptdirexp, unless you are on  
?S: a system running AFS, in which case they may differ slightly. You  
?S: should always use this variable within your makefiles for portability.  
?S:.  
?C:SCRIPTDIR:  
?C: This symbol holds the name of the directory in which the user wants  
?C: to put publicly executable scripts for the  
package in question. It  
?C: is often a directory that is mounted across diverse architectures.  
?C: Programs must be prepared to deal with ~name expansion.  
?C:.  
?C:SCRIPTDIR\_EXP:  
?C: This is the same as SCRIPTDIR, but is filename expanded at  
?C: configuration time, for use in programs not prepared to do  
?C: ~name substitutions at run-time.  
?C:.  
?H:#define SCRIPTDIR "\$scriptdir" /\*\*/  
?H:#define SCRIPTDIR\_EXP "\$scriptdirexp" /\*\*/  
?H:.

```

: determine where public executable scripts go
set scriptdir scriptdir
eval $prefixit
case "$scriptdir" in
")
dflt="$bin"
: guess some guesses
$test -d /usr/share/scripts && dflt=/usr/share/scripts
$test -d /usr/share/bin && dflt=/usr/share/bin
$test -d /usr/local/script && dflt=/usr/local/script
$test -d $prefixexp/script && dflt=$prefixexp/script
set dflt
eval $prefixup
;;
*) dflt="$scriptdir"
;;
esac
$cat <<EOM

```

Some installations have a separate directory just for executable scripts so that they can mount it across multiple architectures but keep the scripts in one spot. You might, for example, have a subdirectory of /usr/share for this. Or you might just lump your scripts in with all your other executables.

```

EOM
fn=d~
rp='Where do you keep publicly executable scripts?'
./getfile
if $test "X$ansexp" != "X$scriptdirexp"; then
installscript="
fi
scriptdir="$ans"
scriptdirexp="$ansexp"
if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which scripts reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installscript" in
") dflt=`echo $scriptdirexp | sed 's#^/afs/#/afs/.#`";;
*) dflt="$installscript";;
esac
fn=de~
rp='Where will public scripts be installed?'

```

```
./getfile
installscript="$sans"
else
installscript="$scriptdirexp"
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/scriptdir.U
```

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?RCS:

?MAKE:d\_lroundl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lroundl:

?S: This variable conditionally defines the HAS\_LROUNDL symbol, which

?S: indicates to the C program that the lroundl() routine is available

?S: to return the integral value nearest to x away from zero.

?S:.

?C:HAS\_LROUNDL:

?C: This symbol, if defined, indicates that the lroundl routine is

?C: available to return the nearest integral value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d\_lroundl HAS\_LROUNDL /\*\*/

?H:.

?LINT:set d\_lroundl

: see if lroundl exists

set lroundl d\_lroundl

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_lroundl.U
```

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?RCS: \$Id: fpostype.U,v 3.0.1.2 1994/08/29 16:20:52 ram Exp \$

?RCS:

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?RCS:



```

?RCS: $Log: fpostype.U,v $
?RCS: Revision 3.0.1.2 1994/08/29 16:20:52 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 06:59:59 ram
?RCS: patch30: created
?RCS:
?MAKE:fpostype: Myread Typedef
?MAKE: -pick add $@ %<
?S:fpostype:
?S: This variable defines Fpos_t to be something like fpos_t, long,
?S: uint, or whatever type is used to declare file positions in libc.
?S:.
?C:Fpos_t:
?C: This symbol holds
?C: the type used to declare file positions in libc.
?C: It can be fpos_t, long, uint, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Fpos_t $fpostype /* File position type */
?H:.
?LINT:set fpostype
: see what type file positions are declared as in the library
rp="What is the type for file position used by fsetpos()?"
set fpos_t fpostype long stdio.h sys/types.h
eval $typedef_ask

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/fpostype.U

```

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```

?RCS: $Id: mailer.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailer.U,v $
?RCS: Revision 3.0.1.3 1995/01/11 15:32:11 ram
?RCS: patch45: can now use Loc variables since path stripping is deferred
?RCS:
?RCS: Revision 3.0.1.2 1994/05/06 15:10:04 ram
?RCS: patch23: ensure full path value is used for rmail also

```

```

?RCS:
?RCS: Revision 3.0.1.1 1994/01/24 14:14:18 ram
?RCS: patch16: now use _sendmail vars and friends for portability issues
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:10 ram
?RCS: Baseline for dist
3.0 netwide release.
?RCS:
?MAKE:mailer: test cat rmail mail smail sendmail Getfile Oldconfig
?MAKE: -pick add $@ %<
?S:mailer:
?S: This variable contains the full pathname of a reasonable mailer.
?S: By reasonable, we mean some program which can understand internet
?S: addresses or at least forward them to some internet router. This
?S: mailer should be invoked as "mailer [options] recipients <mail>".
?S:.
: determine the name of a reasonable mailer
case "$mailer" in
")
if $test -f "$sendmail"; then
dflt="$sendmail"
elif $test -f "$smail"; then
dflt="$smail"
elif $test -f "$rmail"; then
dflt="$rmail"
elif $test -f /bin/mail; then
dflt=/bin/mail
else
dflt=$mail
fi
;;
*) dflt="$mailer";;
esac
$cat <<EOM

```

I need the full pathname of the program used to deliver mail on your system. A typical answer would be /usr/lib/sendmail or /bin/rmail, but you may choose any other program, as long as it can be fed from standard input and will honour any user-supplied headers.

```

EOM
fn=f
rp='Mail
transport agent to be used?'
./getfile
mailer="$ans"

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mailler.U
```

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

```
?RCS: $Id: groupstype.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```

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```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: groupstype.U,v $
```

```
?RCS: Revision 3.0.1.2 1994/10/29 16:18:08 ram
```

```
?RCS: patch36: no longer uses Setvar to set 'groupstype' (ADO)
```

```
?RCS: patch36: typo fix in the word 'argument' (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/06/20 07:00:18 ram
```

```
?RCS: patch30: created by ADO
```

```
?RCS:
```

```
?MAKE:groupstype: gidtype d_getgrps Myread Oldconfig Findhdr cat d_setgrps
```

```
?MAKE: -pick add $@ %<
```

```
?INIT:groupstype="
```

```
?S:groupstype:
```

```
?S: This
```

```
variable defines Groups_t to be something like gid_t, int,
```

```
?S: ushort, or whatever type is used for the second argument to
```

```
?S: getgroups() and setgroups(). Usually, this is the same as
```

```
?S: gidtype (gid_t), but sometimes it isn't.
```

```
?S:.
```

```
?C:Groups_t (GROUPSTYPE):
```

```
?C: This symbol holds the type used for the second argument to
```

```
?C: getgroups() and setgroups(). Usually, this is the same as
```

```
?C: gidtype (gid_t) , but sometimes it isn't.
```

```
?C: It can be int, ushort, gid_t, etc...
```

```
?C: It may be necessary to include <sys/types.h> to get any
```

```
?C: typedef'ed information. This is only required if you have
```

```
?C: getgroups() or setgroups()..
```

```
?C:.
```

```
?H:%<:#if defined(HAS_GETGROUPS) || defined(HAS_SETGROUPS)
```

```
?H:%<:#define Groups_t $groupstype /* Type for 2nd arg to [sg]etgroups() */
```

```
?H:%<:#endif
```

```
?H:.
```

```
?W:%<:getgroups HAS_GETGROUPS setgroups HAS_SETGROUPS
```

: Find type of 2nd arg to 'getgroups()' and 'setgroups()'

```
echo " "
```

```
case "$d_getgrps$d_setgrps" in
```

```
*define*)
```

```
case
```

```
"$groupstype" in
```

```
") dflt="$gidtype" ;;
```

```
*) dflt="$groupstype" ;;
```

```
esac
```

```
$cat <<EOM
```

What type of pointer is the second argument to getgroups() and setgroups()?

Usually this is the same as group ids, \$gidtype, but not always.

EOM

```
rp='What type pointer is the second argument to getgroups() and setgroups()?'
```

```
./myread
```

```
groupstype="$ans"
```

```
::
```

```
*) groupstype="$gidtype";;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/groupstype.U
```

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?RCS:

?RCS: \$Log: myhostname.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:15:55 ram

?RCS: patch61: improved hostname lookup by using ypmatch when NIS is used

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:25:43 ram

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS: patch36: now uses new Tr unit to convert to/from lowercase

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:06:20 ram

?RCS: patch30: now a little more clever for domain name guessing

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:18 ram

?RCS:  
 Baseline for dist 3.0 netwide release.

?RCS:  
 ?MAKE:myhostname phostname mydomain: contains sed test Myread Oldconfig \  
 Guess Loc awk echo sort uniq +usrinc rm hostcat Tr osname

?MAKE: -pick add \$@ %<

?S:myhostname (hostname):  
 ?S: This variable contains the eventual value of the MYHOSTNAME symbol,  
 ?S: which is the name of the host the program is going to run on.  
 ?S: The domain is not kept with hostname, but must be gotten from mydomain.  
 ?S: The dot comes with mydomain, and need not be supplied by the program.  
 ?S:.

?S:mydomain:  
 ?S: This variable contains the eventual value of the MYDOMAIN symbol,  
 ?S: which is the domain of the host the program is going to run on.  
 ?S: The domain must be appended to myhostname to form a complete host name.  
 ?S: The dot comes with mydomain, and need not be supplied by the program.  
 ?S:.

?S:phostname:  
 ?S: This variable contains the eventual value of the PHOSTNAME symbol,  
 ?S: which is a command that can be fed to popen() to get the host name.  
 ?S: The program  
 should probably not presume that the domain is or isn't  
 ?S: there already.  
 ?S:.

?C:MYHOSTNAME (HOSTNAME):  
 ?C: This symbol contains name of the host the program is going to run on.  
 ?C: The domain is not kept with hostname, but must be gotten from MYDOMAIN.  
 ?C: The dot comes with MYDOMAIN, and need not be supplied by the program.  
 ?C: If gethostname() or uname() exist, MYHOSTNAME may be ignored. If MYDOMAIN  
 ?C: is not used, MYHOSTNAME will hold the name derived from PHOSTNAME.  
 ?C:.

?C:MYDOMAIN:  
 ?C: This symbol contains the domain of the host the program is going to  
 ?C: run on. The domain must be appended to HOSTNAME to form a complete  
 ?C: host name. The dot comes with MYDOMAIN, and need not be supplied by  
 ?C: the program. If the host name is derived from PHOSTNAME, the domain  
 ?C: may or may not already be there, and the program should check.  
 ?C:.

?H:#define MYHOSTNAME "\$myhostname" /\*\*/  
 ?H:#define MYDOMAIN "\$mydomain" /\*\*/  
 ?H:.

?T:cont i tans tmp\_re file  
 : now get the host name  
 echo  
 " "  
 echo "Figuring out host name..." >&4  
 case "\$myhostname" in

```

") cont=true
echo 'Maybe "hostname" will work...'
if tans=`sh -c hostname 2>&1` ; then
  myhostname=$tans
  phostname=hostname
  cont=""
fi
;;
*) cont="";
esac
if $test "$cont"; then
  if ./xenix; then
    echo 'Oh, dear. Maybe "/etc/systemid" is the key...'
    if tans=`cat /etc/systemid 2>&1` ; then
      myhostname=$tans
      phostname='cat /etc/systemid'
      echo "Whadyaknow. Xenix always was a bit strange..."
      cont=""
    fi
  elif $test -r /etc/systemid; then
    echo "(What is a non-Xenix system doing with /etc/systemid?)"
  fi
fi
if $test "$cont"; then
  echo 'No, maybe "uuname -l" will work...'
  if tans=`sh -c 'uuname -l' 2>&1` ; then
    myhostname=$tans
    phostname='uuname -l'
  else
    echo 'Strange. Maybe "uname -n" will work...'
    if tans=`sh -c 'uname -n' 2>&1` ; then
      myhostname=$tans
      phostname='uname -n'
    else
      echo 'Oh well, maybe I can mine it out of whoami.h...'
      if tans=`sh -c $contains' sysname $usrinc/whoami.h'
2>&1` ; then
        myhostname=`echo "$tans" | $sed 's/^\.*"(.*)"^\1/^`
        phostname="sed -n -e ""'/sysname/s/^\.*"(.*)"^\1/{"" -e p -e q -e '}' <$usrinc/whoami.h"
      else
        case "$myhostname" in
          ") echo "Does this machine have an identity crisis or something?"
            phostname="";
          *)
            echo "Well, you said $myhostname before..."
            phostname='echo $myhostname';
        esac
      fi

```

```

fi
fi
fi
case "$myhostname" in
") myhostname=noname ;;
esac
: you do not want to know about this
set $myhostname
myhostname=$1

: verify guess
if $test "$myhostname" ; then
dflt=y
rp='Your host name appears to be "$myhostname"." Right?'
. ./myread
case "$ans" in
y*) ;;
*) myhostname="";;
esac
fi

: bad guess or no guess
while $test "X$myhostname" = X ; do
dflt="
rp="Please type the (one word) name of your host:"
. ./myread
myhostname="$ans"
done

: translate upper to lower if necessary
case "$myhostname" in
*[A-Z]*)
echo "(Normalizing case in your host name)"
myhostname=`echo
$myhostname | ./tr '[A-Z]' '[a-z]'`
;;
esac

?X: Do not ask for domain name if this is not used later on. In that
?X: case, the hostname may keep its domain name, but it doesn't matter.
@if MYDOMAIN || mydomain
case "$myhostname" in
*.*)
dflt=`expr "X$myhostname" : "X[^\.]*\(\.?.*\)"`
myhostname=`expr "X$myhostname" : "X\([^\.]*\)\"`
echo "(Trimming domain name from host name--host name is now $myhostname)"
;;
*) case "$mydomain" in

```

)

?X:

?X: There is currently no way to say we do not want hostcat if mydomain is not

?X: used. One way to achieve that would be to put that code in a mydomain.U

?X: unit. However, we want to stick the sanity checks right after the domain

?X: name computation, or if none is done, right after the hostname computation.

?X:

```
{
```

?X: If we use NIS, try ypmatch.

```
test "X$hostcat" = "Xypcat hosts" &&
ypmatch "$myhostname" hosts 2>/dev/null \
$sed -e 's/[ ]*#.*//; s/$/ /' > hosts && \
$stest -s hosts
} || {
```

?X: Extract only

the relevant hosts, reducing file size,

?X: remove comments, insert trailing space for later use.

```
$hostcat | $sed -n -e "s/[ ]*#.*//; s^$/ /
/[ ]$myhostname[ . ]/p" > hosts
}
tmp_re="[ .]"
$stest x`$awk "/[0-9].*[ ]$myhostname$tmp_re/ { sum++ }
END { print sum }" hosts` = x1 || tmp_re="[ ]"
dflt=`$awk \
"/[0-9].*[ ]$myhostname$tmp_re/ { for(i=2; i<=NF;i++) print "\\$i" } \
hosts | $sort | $uniq | \
$sed -n -e "s/$myhostname\.\([-a-zA-Z0-9_]\)\1/p"
case ` $echo X$dflt` in
X*\ *) echo "(Several hosts in /etc/hosts matched hostname)"
dflt=.
;;
```

?X: There is no /etc/hosts on os390

X.)

```
if $test -f /etc/hosts; then
echo "(You do not have fully-qualified names in /etc/hosts)"
else
echo "(I cannot locate a hosts database anywhere)"
fi
;;
esac
case "$dflt" in
```

.)

```
tans=`./loc resolv.conf X /etc /usr/etc`
if $test -f "$tans"; then
echo "(Attempting domain name extraction from $tans)"
```

?X: Look for either a search

or a domain directive.

```
dflt=`$sed -n -e 's// /g' \
```



```

-e 's/^search *([^\ ]*).*/1/p' $tans \
| ./tr '[A-Z]' '[a-z]' 2>/dev/null`
case "$dflt" in
.) dflt=`$sed -n -e 's//g' \
-e 's/^domain *([^\ ]*).*/1/p' $tans \
| ./tr '[A-Z]' '[a-z]' 2>/dev/null`
;;
esac
fi
;;
esac
case "$dflt" in
.) echo "(No help from resolv.conf either -- attempting clever guess)"
dflt=`sh -c domainname 2>/dev/null`
case "$dflt" in
") dflt='.';
.nis.*|.yp.*|.main.*) dflt=`echo $dflt | $sed -e 's/^\.[^.]*/'`;
esac
;;
esac
case "$dflt${osname}" in
.os390)
file="//SYS1.TCPPARMS(TCPDATA)"
echo "(Attempting domain name extraction from $file)"
dflt=`awk '/^DOMAINORIGIN/ {print $2}' "$file" 2>/dev/null`
;;
esac
case "$dflt" in
.) echo "(Lost all hope -- silly guess then)"
dflt='.nonet'
;;
esac
$rm -f hosts
;;
*) dflt="$mydomain";
esac;;
esac
echo " "
rp="What is your domain name?"
.
./myread
tans="$ans"
case "$ans" in
") ;;
.*) ;;
*) tans=".${ans}";
esac
mydomain="$tans"

```

```

: translate upper to lower if necessary
case "$mydomain" in
*[A-Z]*)
echo "(Normalizing case in your domain name)"
mydomain=`echo $mydomain | ./tr '[A-Z]' '[a-z]`
;;
esac

@end

: a little sanity check here
case "$phostname" in
") ;;
*)
case ` $phostname | ./tr '[A-Z]' '[a-z]^` in
$myhostname$mydomain|$myhostname) ;;
*)
case "$phostname" in
sed*)
echo "(That doesn't agree with your whoami.h file, by the way.)"
;;
*)
echo "(That doesn't agree with your $phostname command, by the way.)"
;;
esac
;;
esac
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/myhostname.U
```

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

?RCS: \$Id: i\_shadow.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_shadow: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_shadow:

?S: This variable conditionally defines the I\_SHADOW symbol, and indicates

?S: whether a C program should include <shadow.h>.

?S:.

?C:I\_SHADOW:  
?C: This symbol, if defined, indicates that <shadow.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_shadow I\_SHADOW /\*\*/  
?H:.  
?LINT:set i\_shadow  
: see if this is a shadow.h system  
set shadow.h i\_shadow  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_shadow.U

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

?RCS: \$Id: orgname.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: orgname.U,v \$  
?RCS: Revision 3.0.1.1 1993/09/13 16:10:25 ram  
?RCS: patch10: added support for /local/src to the search (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:27 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:orgname: sed cat Myread Loc Oldconfig  
?MAKE: -pick add \$@ %<  
?S:orgname:  
?S: This variable contains the eventual value of the ORGNAME symbol,  
?S: which contains either the organization name or the full pathname  
?S: of  
a file containing the organization name.  
?S:.  
?C:ORGNAME:  
?C: This symbol contains either the organization name or the full pathname  
?C: of a file containing the organization name, which the program must  
?C: be prepared to open and substitute the contents of.  
?C:.  
?H:#define ORGNAME "\$orgname" /\*\*/  
?H:.

```
?T:longshots xxx
: get organization name
longshots="/local/src /usr/src/new /usr/src/local /usr/local/src"
case "$orgname" in
*) if xxx=`./loc news/src/defs.h x $longshots`; then
  dflt=`$sed -n 's/^.*MYORG[ ]*"(.*)"'.*/1/p' $xxx`
else
  dflt=""
fi
;;
*) dflt="$orgname";;
esac
$cat << 'EOH'
```

Please type the name of your organization as you want it to appear on the Organization line of outgoing articles. (It's nice if this also specifies your location. Your city name is probably sufficient if well known.)  
For example:

University of Southern North Dakota, Hoople

You may also put the name of a file, as long as it begins with a slash.  
For example:

/etc/organization

```
EOH
orgname=""
while
test "X$orgname" = "X"; do
rp='Organization:'
. ./myread
orgname="$ans"
done
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/orgname.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Loc.U,v \$  
?RCS: Revision 3.0.1.10 1997/02/28 15:04:16 ram  
?RCS: patch61: allow users to specify paths on the command line  
?RCS: patch61: will now substitute cp for ln if not supported  
?RCS:  
?RCS: Revision 3.0.1.9 1995/09/25 09:11:24 ram  
?RCS: patch59: commented the purpose of the #un-def directive  
?RCS: patch59: abort Configure run when mandatory command is missing  
?RCS:  
?RCS: Revision 3.0.1.8 1995/07/25 13:40:40 ram  
?RCS: patch56: now knows about OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.7  
1995/01/11 15:13:37 ram  
?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI  
?RCS: patch45: added path lookup for the 'comm' program  
?RCS:  
?RCS: Revision 3.0.1.6 1994/10/29 15:56:14 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS: patch36: be careful and guard against wildcard searching (ADO)  
?RCS:  
?RCS: Revision 3.0.1.5 1994/06/20 06:54:55 ram  
?RCS: patch30: now locates find  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/13 15:18:15 ram  
?RCS: patch27: added yacc to the trylist (ADO)  
?RCS: patch27: lint lines reformatted (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/01/24 14:01:44 ram  
?RCS: patch16: added metalint hint on changed PATH variable  
?RCS:  
?RCS: Revision 3.0.1.2 1993/12/15 08:16:52 ram  
?RCS: patch15: now set \_test variable when test is built-in  
?RCS: patch15: fixed rare cases where echo is not needed  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:47:13 ram  
?RCS: patch10: test program not always in /bin/test (WAD)  
?RCS:  
?RCS: Revision  
3.0 1993/08/18 12:05:05 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit produces a shell script "loc" which can be used to find out  
?X: where in a list of directories something is. It then uses loc to  
?X: determine the location of commonly used programs. It leaves loc sitting

?X: around for other Configure units to use, but arranges for its demise

?X: at the end of Configure.

?X:

?X: To add a new program to find, add it both to the ?MAKE: line and to either

?X: the loclist or trylist variable.

?X:

?X: I put startsh at the end of the dependency list, in order to avoid the

?X: loading of the spitshell unit before the instructions.

?X:

```
?MAKE:Loc awk ar bash bison byacc cat chgrp chmod chown \  
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \  
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \  
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \  
shar sleep smail sort submit tail tar tbl tee test touch tr troff
```

```
\
```

```
uname uniq uuname vi zcat zip: eunicefix n c startsh Instruct Warn
```

```
?MAKE: -pick weed $@ %<
```

```
?LINT:describe awk ar bash bison byacc cat chgrp chmod chown \  
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \  
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \  
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \  
shar sleep smail sort submit tail tar tbl tee test touch tr troff \  
uname uniq uuname vi zcat zip
```

```
?V::pth loclist trylist
```

```
?F:./loc
```

```
?T:thisthing thing xxx dir file say DJGPP
```

```
?T:_test _grep _cp _gmake _egrep _ln _make dflt
```

```
?LINT: change PATH
```

```
: find out where common programs are
```

```
echo " "
```

```
echo " "
```

```
echo "Locating common programs..." >&4
```

```
cat <<EOOSC >loc
```

```
$startsh
```

```
case $# in
```

```
0) exit 1;;
```

```
esac
```

```
thing=${1}
```

```
shift
```

```
dflt=${1}
```

```
shift
```

```
for dir in $*; do
```

```
case "\$thing" in
```

```
.)
```

```
if test -d \$dir/\$thing; then
```

```
echo \$dir
```

```
exit 0
```

```
fi
```

```
::
```

\*)

?X: Be careful in case thing includes wildcards that might expand to multiple

?X: files. Choose the last one.

This happens when searching for shared

?X: libraries with version numbers. How to choose which one we want is

?X: probably an insoluble problem, in general.

?X: Some folks leave things like libc.so.orig around w/o read

?X: permission. A -r test would handle that, but since ./loc is

?X: also used to find executables (which are installed w/o read

?X: permission on SCO ODT 3.0, we can't include the -r test.

for thisthing in \\${dir}\\$thing; do

: just loop through to pick last item

done

if test -f \\${thisthing}; then

echo \\${thisthing}

exit 0

elif test -f \\${thisthing}\$\_exe; then

echo \\${thisthing}

exit 0

elif test -f \\${dir}\\$thing.exe; then

if test -n "\$DJGPP"; then

echo \\${dir}\\$thing.exe

else

: on Eunice apparently

echo \\${dir}\\$thing

fi

exit 0

fi

::

esac

done

echo \\${dflt}

exit 1

EOSC

chmod +x loc

\$eunicefix loc

loclist=""

?awk:awk

?cat:cat

?chgrp:chgrp

?chmod:chmod

?chown:chown

?comm:comm

?cp:cp

?echo:echo

?expr:expr

?find:find

?grep:grep

?ls:ls  
?mkdir:mkdir  
?mv:mv  
?rm:rm  
?sed:sed  
?sleep:sleep  
?sort:sort  
?tail:tail  
?touch:touch  
?tr:tr  
?uniq:uniq  
"  
trylist="  
?Mcc:Mcc  
?ar:ar  
?bash:bash  
?bison:bison  
?byacc:byacc  
?compress:compress  
?cpio:cpio  
?cpp:cpp  
?csh:csh  
?date:date  
?egrep:egrep  
?emacs:emacs  
?flex:flex  
?gmake:gmake  
?gzip:gzip  
?inews:inews  
?ksh:ksh  
?less:less  
?line:line  
?lint:lint  
?ln:ln  
?lp:lp  
?lpr:lpr  
?mail:mail  
?mailx:mailx  
?make:make  
?more:more  
?nm:nm  
?nroff:nroff  
?perl:perl  
?pg:pg  
?pmake:pmake  
?pr:pr  
?rmail:rmail  
?sendmail:sendmail



```

?shar:shar
?smail:smail
?submit:submit
?tar:tar
?tbl:tbl
?tee:tee
?test:test
?troff:troff
?uname:uname
?uname:uname
?vi:vi
?zcat:zcat
?zip:zip
"
?LINT:set
awk ar bash bison byacc cat chgrp chmod chown \
comm compress cp cpio cpp csh date echo emacs expr find flex \
gmake gzip grep inews ksh less line lint lp lpr ls mail mailx \
mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \
shar sleep smail sort submit tail tar tbl tee touch tr troff \
uname uniq uname vi zcat zip
pth=`echo $PATH | sed
-e "s/$p_/ /g"`
pth="$pth /lib /usr/lib"
for file in $loclist; do
?X:
?X: Allow them to -Dmake=pmake on the command line for instance...
?X: If the file is not fully qualified, as in -Dmake=pmake, then we
?X: look the for the specified command (pmake here). If they say
?X: -Dmake=/sbin/make for instance, then we make sure the file
?X: exists, or we die...
?X:
eval xxx=\$$file
case "$xxx" in
/*|?:[\\]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
*) xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in

```

```

/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\V]*)
echo $file is in $xxx.
;;
*)
echo "I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
done
echo " "
echo "Don't worry
if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\V]*)
if test -f "$xxx"; then
: ok
else
./warn "no $xxx -- ignoring your setting for $file."
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\V]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac

```

```

done
case "$grep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$_grep
;;
esac
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$_cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a
public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$_gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)

```

```

if `sh -c "PATH= test true" >/dev/null 2>&1`; then
  echo "Using the test built into your sh."
?X:
?X: We need to set both test and _test, since Oldconfig.U will use the _test
?X: value to systematically restore computed paths, which may be wrong if
?X: we choose to load an old config.sh generated on another platform.
?X:
  test=test
  _test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
  echo "Hopefully echo is built into your sh."
  ;;
?X: For those rare cases where we don't need $echo...
") ;;
*)
  echo " "
  echo "Checking
compatibility between $echo and builtin echo (if any)..." >&4
  $echo $n "hi there$c" >foo1
  echo $n "hi there$c" >foo2
  if cmp foo1 foo2 >/dev/null 2>&1; then
    echo "They are compatible. In fact, they may be identical."
  else
    case "$n" in
'-n') n=" c=\"c\"";;
*) n='-n' c="";;
    esac
    cat <<FOO

```

They are not compatible! You are probably running ksh on a non-USG system. I'll have to use \$echo instead of the builtin, since Bourne shell doesn't have echo built in and we may have to run some Bourne shell scripts. That means I'll have to use '\$n\$c' to suppress newlines now. Life is ridiculous.

```

FOO
  $echo $n "The star should be here-->$c"
  $echo "*"
fi
$rm -f foo1 foo2
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/Loc.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999-2016 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_PRIfldbl sPRIfldbl d\_PRIgldbl d\_PRIFUldbl sPRIGUldbl d\_PRIEUldbl \

sPRIgldbl d\_PRIeldbl sPRIeldbl sPRIFUldbl d\_PRIGUldbl sPRIEUldbl \

d\_SCNfldbl d\_double\_style\_vax d\_double\_style\_ieee \

d\_double\_style\_ibm d\_double\_style\_cray d\_double\_has\_subnormals \

d\_double\_has\_inf d\_double\_has\_nan d\_double\_has\_negative\_zero \

sSCNfldbl doublekind: \

d\_longdbl longdblsize doublesize uselongdouble test echo cat rm\_try \

Setvar Compile run i\_stdlib osname gccversion cflags

?MAKE: -pick add \$@ %<

?S:doublekind:

?S: This variable, if defined, encodes the type of a double:

?S: 1 = IEEE 754 32-bit little endian,

?S: 2 = IEEE 754 32-bit big endian,

?S: 3 = IEEE 754 64-bit little endian,

?S: 4 = IEEE

754 64-bit big endian,

?S: 5 = IEEE 754 128-bit little endian,

?S: 6 = IEEE 754 128-bit big endian,

?S: 7 = IEEE 754 64-bit mixed endian le-be,

?S: 8 = IEEE 754 64-bit mixed endian be-le,

?S: 9 = VAX 32bit little endian F float format

?S: 10 = VAX 64bit little endian D float format

?S: 11 = VAX 64bit little endian G float format

?S: 12 = IBM 32bit format

?S: 13 = IBM 64bit format

?S: 14 = Cray 64bit format

?S: -1 = unknown format.

?S:.

?S:d\_PRIfldbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S:.

?S:d\_PRIgldbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.

?S:.

?S:d\_PRIeldbl:

?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which

?S: indicates that stdio has a symbol to print long doubles.  
?S:.  
?S:d\_PRIFUdbl:  
?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which  
?S: indicates  
that stdio has a symbol to print long doubles.  
?S: The 'U' in the name is to separate this from d\_PRIfldbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:d\_PRIGUdbl:  
?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which  
?S: indicates that stdio has a symbol to print long doubles.  
?S: The 'U' in the name is to separate this from d\_PRIgdbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:d\_PRIEUdbl:  
?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which  
?S: indicates that stdio has a symbol to print long doubles.  
?S: The 'U' in the name is to separate this from d\_PRIedbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:d\_SCNfldbl:  
?S: This variable conditionally defines the PERL\_PRIfldbl symbol, which  
?S: indicates that stdio has a symbol to scan long doubles.  
?S:.  
?S:sPRIfldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'f') for  
output.  
?S:.  
?S:sPRIgdbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'g') for output.  
?S:.  
?S:sPRIedbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'e') for output.  
?S:.  
?S:sPRIFUdbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'F') for output.  
?S: The 'U' in the name is to separate this from sPRIfldbl so that even  
?S: case-blind systems can see the difference.  
?S:.  
?S:sPRIGUdbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'G') for output.  
?S: The 'U' in the name is to separate this from sPRIgdbl so that even

?S: case-blind systems can see the difference.  
?S:.  
?S:sPRIEUdbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'E') for output.  
?S: The 'U' in the name is to separate this from sPRIeldbl so that even  
?S: case-blind  
systems can see the difference.  
?S:.  
?S:sSCNfldbl:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format long doubles (format 'f') for input.  
?S:.  
?S:d\_double\_has\_inf:  
?S: This variable conditionally defines the symbol DOUBLE\_HAS\_INF  
?S: which indicates that the double type has an infinity.  
?S:.  
?S:d\_double\_has\_nan:  
?S: This variable conditionally defines the symbol DOUBLE\_HAS\_NAN  
?S: which indicates that the double type has a not-a-number.  
?S:.  
?S:d\_double\_has\_negative\_zero:  
?S: This variable conditionally defines the symbol DOUBLE\_HAS\_NEGATIVE\_ZERO  
?S: which indicates that the double type has a negative zero.  
?S:.  
?S:d\_double\_has\_subnormals:  
?S: This variable conditionally defines the symbol DOUBLE\_HAS\_SUBNORMALS  
?S: which indicates that the double type has subnormals (denormals).  
?S:.  
?S:d\_double\_style\_cray:  
?S: This variable conditionally defines the symbol DOUBLE\_STYLE\_CRAY  
?S: which indicates that the double is the 64-bit CRAY mainframe  
format.  
?S:.  
?S:d\_double\_style\_ibm:  
?S: This variable conditionally defines the symbol DOUBLE\_STYLE\_IBM,  
?S: which indicates that the double is the 64-bit IBM mainframe format.  
?S:.  
?S:d\_double\_style\_ieee:  
?S: This variable conditionally defines the symbol DOUBLE\_STYLE\_IEEE,  
?S: which indicates that the double is the 64-bit IEEE 754.  
?S:.  
?S:d\_double\_style\_vax:  
?S: This variable conditionally defines the symbol DOUBLE\_STYLE\_VAX,  
?S: which indicates that the double is the 64-bit VAX format D or G.  
?S:.  
?C:PERL\_PRIfldbl:  
?C: This symbol, if defined, contains the string used by stdio to

?C: format long doubles (format 'f') for output.  
?C:.  
?C:PERL\_PRIgldbl:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format long doubles (format 'g') for output.  
?C:.  
?C:PERL\_PRIeldbl:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format long doubles (format 'e') for output.  
?C:.  
?C:PERL\_PRIFldbl:  
?C: This symbol, if defined, contains the string used by stdio  
to  
?C: format long doubles (format 'f') for output.  
?C:.  
?C:PERL\_PRIGldbl:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format long doubles (format 'g') for output.  
?C:.  
?C:PERL\_PRIeldbl:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format long doubles (format 'e') for output.  
?C:.  
?C:PERL\_SCNfldbl:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format long doubles (format 'f') for input.  
?C:.  
?C:DOUBLEKIND:  
?C: DOUBLEKIND will be one of  
?C: DOUBLE\_IS\_IEEE\_754\_32\_BIT\_LITTLE\_ENDIAN  
?C: DOUBLE\_IS\_IEEE\_754\_32\_BIT\_BIG\_ENDIAN  
?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_LITTLE\_ENDIAN  
?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_BIG\_ENDIAN  
?C: DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN  
?C: DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN  
?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_LE\_BE  
?C: DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_BE\_LE  
?C: DOUBLE\_IS\_VAX\_F\_FLOAT  
?C: DOUBLE\_IS\_VAX\_D\_FLOAT  
?C: DOUBLE\_IS\_VAX\_G\_FLOAT  
?C: DOUBLE\_IS\_IBM\_SINGLE\_32\_BIT  
?C: DOUBLE\_IS\_IBM\_DOUBLE\_64\_BIT  
?C: DOUBLE\_IS\_CRAY\_SINGLE\_64\_BIT  
?C: DOUBLE\_IS\_UNKNOWN\_FORMAT  
?C:.  
?C:DOUBLE\_HAS\_INF:  
?C: This



symbol, if defined, indicates that the double has

?C: the infinity.

?C:.

?C:DOUBLE\_HAS\_NAN:

?C: This symbol, if defined, indicates that the double has

?C: the not-a-number.

?C:.

?C:DOUBLE\_HAS\_NEGATIVE\_ZERO:

?C: This symbol, if defined, indicates that the double has

?C: the negative\_zero.

?C:.

?C:DOUBLE\_HAS\_SUBNORMALS:

?C: This symbol, if defined, indicates that the double has

?C: the subnormals (denormals).

?C:.

?C:DOUBLE\_STYLE\_CRAY:

?C: This symbol, if defined, indicates that the double is

?C: the 64-bit CRAY mainframe format.

?C:.

?C:DOUBLE\_STYLE\_IBM:

?C: This symbol, if defined, indicates that the double is

?C: the 64-bit IBM mainframe format.

?C:.

?C:DOUBLE\_STYLE\_IEEE:

?C: This symbol, if defined, indicates that the double is

?C: the 64-bit IEEE 754.

?C:.

?C:DOUBLE\_STYLE\_VAX:

?C: This symbol, if defined, indicates that the double is

?C: the 64-bit VAX format D or G.

?C:.

?LINT:known

DOUBLE\_IS\_IEEE\_754\_32\_BIT\_LITTLE\_ENDIAN

?LINT:known DOUBLE\_IS\_IEEE\_754\_32\_BIT\_BIG\_ENDIAN

?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_LITTLE\_ENDIAN

?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_BIG\_ENDIAN

?LINT:known DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN

?LINT:known DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN

?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_LE\_BE

?LINT:known DOUBLE\_IS\_IEEE\_754\_64\_BIT\_MIXED\_ENDIAN\_BE\_LE

?LINT:known DOUBLE\_IS\_VAX\_F\_FLOAT

?LINT:known DOUBLE\_IS\_VAX\_D\_FLOAT

?LINT:known DOUBLE\_IS\_VAX\_G\_FLOAT

?LINT:known DOUBLE\_IS\_IBM\_SINGLE\_32\_BIT

?LINT:known DOUBLE\_IS\_IBM\_DOUBLE\_64\_BIT

?LINT:known DOUBLE\_IS\_CRAY\_SINGLE\_64\_BIT

?LINT:known DOUBLE\_IS\_UNKNOWN\_FORMAT

?H:#define DOUBLEKIND \$doublekind /\*\*/

```

?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_32_BIT_LITTLE_ENDIAN 1
?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_32_BIT_BIG_ENDIAN 2
?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_64_BIT_LITTLE_ENDIAN 3
?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_64_BIT_BIG_ENDIAN 4
?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_128_BIT_LITTLE_ENDIAN 5
?H:?DOUBLEKIND:#define
DOUBLE_IS_IEEE_754_128_BIT_BIG_ENDIAN 6
?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_64_BIT_MIXED_ENDIAN_LE_BE 7
?H:?DOUBLEKIND:#define DOUBLE_IS_IEEE_754_64_BIT_MIXED_ENDIAN_BE_LE 8
?H:?DOUBLEKIND:#define DOUBLE_IS_VAX_F_FLOAT 9
?H:?DOUBLEKIND:#define DOUBLE_IS_VAX_D_FLOAT 10
?H:?DOUBLEKIND:#define DOUBLE_IS_VAX_G_FLOAT 11
?H:?DOUBLEKIND:#define DOUBLE_IS_IBM_SINGLE_32_BIT 12
?H:?DOUBLEKIND:#define DOUBLE_IS_IBM_DOUBLE_64_BIT 13
?H:?DOUBLEKIND:#define DOUBLE_IS_CRAY_SINGLE_64_BIT 14
?H:?DOUBLEKIND:#define DOUBLE_IS_UNKNOWN_FORMAT -1
?H:#$d_PRIfldbl PERL_PRIfldbl $sPRIfldbl /**/
?H:#$d_PRIgldbl PERL_PRIgldbl $sPRIgldbl /**/
?H:#$d_PRIldbl PERL_PRIldbl $sPRIldbl /**/
?H:#$d_PRIFUldbl PERL_PRIFldbl $sPRIFUldbl /**/
?H:#$d_PRIGUldbl PERL_PRIGldbl $sPRIGUldbl /**/
?H:#$d_PRIEUldbl PERL_PRIEUldbl $sPRIEUldbl /**/
?H:#$d_SCNfldbl PERL_SCNfldbl $sSCNfldbl /**/
?H:#$d_double_has_inf DOUBLE_HAS_INF
?H:#$d_double_has_nan DOUBLE_HAS_NAN
?H:#$d_double_has_negative_zero
DOUBLE_HAS_NEGATIVE_ZERO
?H:#$d_double_has_subnormals DOUBLE_HAS_SUBNORMALS
?H:#$d_double_style_cray DOUBLE_STYLE_CRAY
?H:#$d_double_style_ibm DOUBLE_STYLE_IBM
?H:#$d_double_style_ieee DOUBLE_STYLE_IEEE
?H:#$d_double_style_vax DOUBLE_STYLE_VAX
?H:.
?T:yyy message saveccflags
?F:!try
?LINT:change ccflags
?LINT:change uselongdouble
: Check what kind of doubles your system has
$echo "Checking the kind of doubles you have..." >&4
$cat >try.c <<EOP
#$i_stdlib I_STDLIB
#define DOUBLESIZE $doublesize
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <stdio.h>
static const double d = -0.1;
int main() {

```

```

unsigned const char* b = (unsigned const char*)&d;
#if DOUBLESIZE == 4
if (b[0] == 0xCD && b[3] == 0xBD) {
    /* IEEE 754 32-bit little-endian */
    printf("1\n");
    exit(0);
}
if (b[0] == 0xBD && b[3] == 0xCD) {
    /* IEEE 754 32-bit big-endian */
    printf("2\n");
    exit(0);
}
if (b[0] == 0xCC && b[3] == 0xCC) {
    /* VAX format F, 32-bit
PDP-style mixed endian. */
    printf("9\n");
    exit(0);
}
if (b[0] == 0xC0 && b[3] == 0x9A) {
    /* IBM single 32-bit */
    printf("12\n");
    exit(0);
}
#endif
#if DOUBLESIZE == 8
if (b[0] == 0x9A && b[7] == 0xBF) {
    /* IEEE 754 64-bit little-endian */
    printf("3\n");
    exit(0);
}
if (b[0] == 0xBF && b[7] == 0x9A) {
    /* IEEE 754 64-bit big-endian */
    printf("4\n");
    exit(0);
}
if (b[0] == 0x99 && b[3] == 0xBF && b[4] == 0x9A && b[7] == 0x99) {
    /* ARM mixed endian: two little-endian 32-bit floats, in big endian order:
    * 4 5 6 7 0 1 2 3 (MSB = 7, LSB = 0)
    * 99 99 b9 bf 9a 99 99 99 */
    printf("7\n");
    exit(0);
}
if (b[0] == 0x99 && b[3] == 0x9A && b[4] == 0xBF && b[7] == 0x99) {
    /* The opposite of case 7, mixed endian: two big-endian 32-bit floats,
    * in little endian order: 3 2 1 0 7 6 5 4 (MSB = 7, LSB = 0)
    * 99 99 99 9a bf b9 99 99 */
    printf("8\n");
    exit(0);
}

```

```

}
if (b[0] == 0xCC && b[7] == 0xCC) {
    /* VAX
format D, 64-bit PDP-style mixed endian. */
    printf("10\n");
    exit(0);
}
if (b[0] == 0xD9 && b[7] == 0x99) {
    /* VAX format G, 64-bit PDP-style mixed endian. */
    printf("11\n");
    exit(0);
}
if (b[0] == 0xC0 && b[7] == 0x9A) {
    /* IBM double 64-bit */
    printf("13\n");
    exit(0);
}
if (b[0] == 0xBF && b[7] == 0xCD) {
    /* CRAY single 64-bit */
    printf("14\n");
    exit(0);
}
}
#endif
#if DOUBLESIZE == 16
if (b[0] == 0x9A && b[15] == 0xBF) {
    /* IEEE 754 128-bit little-endian */
    printf("5\n");
    exit(0);
}
if (b[0] == 0xBF && b[15] == 0x9A) {
    /* IEEE 754 128-bit big-endian */
    printf("6\n");
    exit(0);
}
}
#endif
/* Then there are old mainframe/miniframe formats like IBM and CRAY.
* Whether those environments can still build Perl is debatable. */
printf("-1\n"); /* unknown */
exit(0);
}
EOP
set try
if eval $compile; then
    doublekind=`$run ./try`
else
    doublekind=-1
fi
case "$doublekind" in

```

```

1) echo "You have IEEE
754 32-bit little endian doubles." >&4 ;;
2) echo "You have IEEE 754 32-bit big endian doubles." >&4 ;;
3) echo "You have IEEE 754 64-bit little endian doubles." >&4 ;;
4) echo "You have IEEE 754 64-bit big endian doubles." >&4 ;;
5) echo "You have IEEE 754 128-bit little endian doubles." >&4 ;;
6) echo "You have IEEE 754 128-bit big endian doubles." >&4 ;;
7) echo "You have IEEE 754 64-bit mixed endian doubles (32-bit LEs in BE)." >&4 ;;
8) echo "You have IEEE 754 64-bit mixed endian doubles (32-bit BEs in LE)." >&4 ;;
9) echo "You have VAX format F 32-bit PDP-style mixed endian doubles." >&4 ;;
10) echo "You have VAX format D 64-bit PDP-style mixed endian doubles." >&4 ;;
11) echo "You have VAX format G 64-bit PDP-style mixed endian doubles." >&4 ;;
12) echo "You have IBM short 32-bit doubles." >&4 ;;
13) echo "You have IBM long 64-bit doubles." >&4 ;;
14) echo "You have Cray single 64-bit doubles." >&4 ;;
*) echo "Cannot figure out your double. You Cyber, or something?" >&4 ;;
esac
d_double_style_ieee=$undef
d_double_style_vax=$undef
d_double_style_ibm=$undef
d_double_style_cray=$undef
case
"$doublekind" in
1|2|3|4|5|6|7|8) d_double_style_ieee=$define ;;
9|10|11) d_double_style_vax=$define ;;
12|13) d_double_style_ibm=$define ;;
14) d_double_style_cray=$define ;;
esac
case "$d_double_style_ieee" in
$define)
d_double_has_inf=$define
d_double_has_nan=$define
d_double_has_negative_zero=$define
d_double_has_subnormals=$define
;;
*)
d_double_has_inf=$undef
d_double_has_nan=$undef
d_double_has_negative_zero=$undef
d_double_has_subnormals=$undef
;;
esac
$rm_try

: Check print/scan long double stuff
echo " "

if $test X"$d_longdbl" = X"$define"; then

```

```
echo "Checking how to print long doubles..." >&4
```

```
if $test X"$sPRIfdbl" = X -a X"$doublesize" = X"$longdblsize"; then
```

```
  $cat >try.c <<'EOCP'
```

```
  #include <sys/types.h>
```

```
  #include <stdio.h>
```

```
  int main() {
```

```
    double d = 123.456;
```

```
    printf("%.3f\n", d);
```

```
  }
```

```
EOCP
```

```
set try
```

```
if eval $compile; then
```

```
  yyy=`$run
```

```
./try`
```

```
case "$yyy" in
```

```
123.456)
```

```
  sPRIfdbl="f"; sPRIGdbl="g"; sPRIeldbl="e";
```

```
  sPRIFUdbl="F"; sPRIGUdbl="G"; sPRIEUdbl="E";
```

```
  echo "We will use %f."
```

```
  ;;
```

```
esac
```

```
fi
```

```
fi
```

```
if $test X"$sPRIfdbl" = X; then
```

```
  $cat >try.c <<'EOCP'
```

```
  #include <sys/types.h>
```

```
  #include <stdio.h>
```

```
  int main() {
```

```
    long double d = 123.456;
```

```
    printf("%.3Lf\n", d);
```

```
  }
```

```
EOCP
```

```
set try
```

```
if eval $compile; then
```

```
  yyy=`$run ./try`
```

```
case "$yyy" in
```

```
123.456)
```

```
  sPRIfdbl="Lf"; sPRIGdbl="Lg"; sPRIeldbl="Le";
```

```
  sPRIFUdbl="LF"; sPRIGUdbl="LG"; sPRIEUdbl="LE";
```

```
  echo "We will use %Lf."
```

```
  ;;
```

```
esac
```

```
fi
```

```
fi
```

```

if $test X"$sPRIfldbl" = X; then
  $cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
  long double d = 123.456;
  printf("%.3lf\n", d);
}
EOCP
set try
if eval $compile; then
  yyy=`$run ./try`
  case "$yyy" in
    123.456)
      sPRIfldbl="llf"; sPRIGldbl="llg"; sPRIeldbl="lle";
      sPRIFUldbl="llF"; sPRIGUldbl="llG"; sPRIEUldbl="llE";
      echo "We
will use %lf."
      ;;
    esac
  fi
fi

```

```

if $test X"$sPRIfldbl" = X; then
  $cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
  long double d = 123.456;
  printf("%.3lf\n", d);
}
EOCP
set try
if eval $compile; then
  yyy=`$run ./try`
  case "$yyy" in
    123.456)
      sPRIfldbl="lf"; sPRIGldbl="lg"; sPRIeldbl="le";
      sPRIFUldbl="lF"; sPRIGUldbl="lG"; sPRIEUldbl="lE";
      echo "We will use %lf."
      ;;
    esac
  fi
fi

```

```

if $test X"$sPRIfldbl" = X; then
  echo "Cannot figure out how to print long doubles." >&4
else

```

```

sSCNfldbl=$sPRIfldbl # expect consistency
fi

$rm_try

fi # d_longdbl

case "$sPRIfldbl" in
") d_PRIfldbl="$undef"; d_PRIGldbl="$undef"; d_PRIeldbl="$undef";
d_PRIFUldbl="$undef"; d_PRIGUldbl="$undef"; d_PRIEUldbl="$undef";
d_SCNfldbl="$undef";
;;
*) d_PRIfldbl="$define"; d_PRIGldbl="$define"; d_PRIeldbl="$define";
d_PRIFUldbl="$define"; d_PRIGUldbl="$define"; d_PRIEUldbl="$define";
d_SCNfldbl="$define";
;;
esac

: Before committing on uselongdouble,
see whether that looks sane.
if $test "$uselongdouble" = "$define"; then
    message=""
    echo " "
    echo "Checking if your long double math functions work right..." >&4
    $cat > try.c <<EOF
#include <math.h>
#include <stdio.h>
int main() {
    printf("% " $sPRIGldbl "\n", sqrtl(logl(expl(cosl(sinl(0.0L)))))+powl(2.0L, 3.0L));
}
EOF
    case "$osname:$gccversion" in
    aix:.) saveccflags="$ccflags"
    ccflags="$ccflags -qlongdouble" ;; # to avoid core dump
    esac
    set try
    if eval $compile_ok; then
        yyy=`$run ./try`
    fi
    case "$yyy" in
    3) echo "Your long double math functions are working correctly." >&4 ;;
    *) echo "Your long double math functions are broken, not using long doubles." >&4
        uselongdouble=$undef
        ;;
    esac
    $rm_try
    case "$osname:$gccversion" in
    aix:.) ccflags="$saveccflags" ;; # restore

```



```
esac
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/longdblfi.U
```

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

```
?RCS: $Id: d_preadv.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_preadv.U,v $
```

```
?RCS:
```

```
?MAKE:d_preadv: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_preadv:
```

```
?S: This variable conditionally defines the HAS_PREADV symbol, which
```

```
?S: indicates to the C program that the preadv() routine is available.
```

```
?S:.
```

```
?C:HAS_PREADV :
```

```
?C: This symbol, if defined, indicates that the preadv routine is
```

```
?C: available to perform vectored reads on a file descriptor at a
```

```
?C: given offset.
```

```
?C:.
```

```
?H:#$d_preadv HAS_PREADV /**/
```

```
?H:.
```

```
?LINT:set d_preadv
```

```
:
```

```
see if preadv exists
```

```
set preadv d_preadv
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_preadv.U
```

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

```
?RCS: $Id: Inhdr.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Inhdr.U,v \$  
?RCS: Revision 3.0.1.2 1995/05/12 12:01:31 ram  
?RCS: patch54: deleted tabs that caused some /bin/sh to core dump (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 15:55:01 ram  
?RCS: patch36: call ./whoa explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:01 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit checks wether a set of header files exists or not.  
?X: If the first header is not  
found, the function tries to locate  
?X: the next header, and so on, until one is found or there is no  
?X: more header in the list.  
?X:  
?X: To use it, say:  
?X: set header i\_header [ header2 i\_header2 ... ]  
?X: eval \$inhdr  
?X:  
?MAKE:Inhdr: test Findhdr Whoa  
?MAKE: -pick add \$@ %<  
?LINT:define inhdr  
?V:inhdr  
?S:inhdr:  
?S: This shell variable is used internally by Configure to check  
?S: wether a set of headers exist or not. A typical use is:  
?S: set header i\_header [ header2 i\_header2 ... ]  
?S: eval \$inhdr  
?S: That will print a message, saying wether header was found or not  
?S: and set i\_header\* accordingly. If the first header is not found,  
?S: we try the next one, until the list is empty or one is found.  
?S:.  
?T:xxx xxf var td xxnf tu yyy instead was cont  
: define an alternate in-header-list? function  
inhdr='echo " "; td=\$define; tu=\$undef; yyy=\$@;  
cont=true; xxf="echo \"<\$1> found.\" >&4";  
case \$# in 2) xxnf="echo \"<\$1> NOT found.\" >&4";;  
\*) xxnf="echo \"<\$1> NOT found, ...\" >&4";;  
esac;  
case

```

$# in 4) instead=instead;; *) instead="at last";; esac;
while $test "$cont"; do
xxx=`./findhdr $1`
var=$2; eval "was=\$2";
if $test "$xxx" && $test -r "$xxx";
then eval $xxf;
?X: Next line shifted left 1 tabstop to avoid sh core dump on MachTen 2.1.1.
eval "case \"\$$var\" in $undef) . ./whoa; esac"; eval "$var=\$td";
cont="";
else eval $xxnf;
?X: Likewise, the next line has been shifted left 1 tabstop -- ADO, 08/03/95
eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu"; fi;
set $yyy; shift; shift; yyy=$@;
case $# in 0) cont="";;
2) xxf="echo \"but I found <\$1> $instead.\" >&4";
xxnf="echo \"and I did not find <\$1> either.\" >&4";;
*) xxf="echo \"but I found <\$1> instead.\" >&4";
xxnf="echo \"there is no <\$1>, ...\" >&4";;
esac;
done;
?X: Remaining values are set to 'undef'
while $test "$yyy";
do set $yyy; var=$2; eval "was=\$2";
eval "case \"\$$var\" in $define) . ./whoa; esac"; eval "$var=\$tu";
set $yyy; shift; shift; yyy=$@;
done'

```

#### Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Inhdr.U
```

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

```

?RCS: $Id: Myread.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Myread.U,v $
?RCS: Revision 3.0.1.6 1997/02/28 15:05:39 ram
?RCS: patch61: myread script now starts with a "startsh"
?RCS: patch61: miscellaneous fixes
?RCS:

```

?RCS: Revision 3.0.1.5 1995/01/11 15:14:22 ram

?RCS: patch45: added & escape allowing user to turn on -d from the prompt

?RCS:

?RCS: Revision 3.0.1.4 1994/10/31 09:48:04 ram

?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U

?RCS:

?RCS: Revision 3.0.1.3 1994/10/29  
15:56:20 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.2 1993/08/30 08:57:59 ram

?RCS: patch8: added new visible 'nostick' symbol, mainly for Finish.U

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:39:20 ram

?RCS: patch7: now sticks to the question when no default and empty answer

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:08 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order  
?X: to do a read. It allows for shell escapes, default assignment and  
?X: parameter evaluation.

?X:

?X: To use this unit, \$rp and \$dflt must hold the question and the  
?X: default answer. The question will be printed by the script itself.

?X: Neither \$rp nor \$dflt is altered by the script.

?X:

?X: The myread script will stick to the question if no default is proposed  
?X: and the user answer is empty, which prevents mistakes. However, at the  
?X: end of Configure, there is an exception  
to this rule (Finish.U) where we  
?X: set nostick to a non-empty value to allow the Return key to play its role!

?X:

?MAKE:Myread: Options startsh n c trnl

?MAKE: -pick add \$@ %<

?V:ans:dflt rp nostick

?F:./myread

?T:COLUMNS xxxm rp dflt answ aok myecho

?LINT:change fastread

?X: Some shells (Ultrix) do not understand \${COLUMNS:-80}, sigh!  
: compute the number of columns on the terminal for proper question formatting  
case "\$COLUMNS" in  
") COLUMNS='80';;  
esac

: set up the echo used in my read

?X:

?X: This variable is intended to be eval'ed. It will echo the two  
 ?X: variables \$rp and \$dflt (provided this latter has a non null value).  
 ?X: It is mainly used by the myread script to echo the questions.  
 ?X:  
 ?X: The \$n and \$c below are substituted before Loc does its silly echo check  
 ?X: so don't put a \$ on the echo below so we get builtin, even if \$echo is  
 ?X: pointing to /bin/echo.

```
?X:
myecho="case \"\$xxm\" in
") echo $n \"\$rp $c\" >&4;;
*) case \"\$rp\" in
") echo $n \"[\$xxm] $c\";;
*)
if
test `echo \"\$rp [\$xxm] \" | wc -c` -ge $COLUMNS; then
  echo \"\$rp\" >&4
  echo $n \"[\$xxm] $c\" >&4
else
  echo $n \"\$rp [\$xxm] $c\" >&4
fi
;;
esac;;
esac"
```

: now set up to do reads with possible shell escape and default assignment  
 cat <<EOESC >myread

\$startsh

?X:  
 ?X: Save value of default -- do not alter original in case of eval  
 ?X:

```
xxm=\$dflt
$myecho
```

?X:  
 ?X: If there is no default, then stop, regardless of the value in fastread.  
 ?X: In silent mode, no new-line is to be echoed if the question is empty,  
 ?X: since this is used to wait for the "return" key.

```
?X:
ans='!
case \"\$fastread\" in
yes) case \"\$dflt\" in
") ;;
*) ans=";
case \"\$silent-\$rp\" in
true-) ;;
*) echo " " >&4;;
esac;;
esac;;
*) case \"\$silent\" in
```

```

true) case "\$rp" in
  ") ans=";;
  esac;;
esac;;
esac
while expr "X\$ans" : "X!" >/dev/null; do
  read answ
?X:
?X: Run 'eval' on the answer, in order to do variable substitution, in case
?X: the user types $HOME or $WHATEVER.
  Variables must be evaluated now.
?X: Typing '$HOME' won't currently prevent from substitution -- use '$HOME'
?X: The $1 .. $9 and $*, as well as $@, are available to refer to the
?X: default value.
?X:
  set x \$xxm
  shift
  aok="; eval "ans=\\\"$answ\\\" && aok=y
  case "\$answ" in
?X:
?X: Use "!" and not a plain ! because of a bug in BSD 4.4 shell
?X: (reported by Wayne Davison)
?X: We must handle the shell escapes before dealing with possible variable
?X: substitution, since the shell we're launching in that case will be able
?X: to do it as well as we can -- RAM, 15/03/96
?X
"!")
  sh 1>&4
  echo " "
  $myecho
  ;;
!*)
  set x `expr "X\$ans" : "X!(.*)\$" `
  shift
  sh 1>&4 -c "\$*"
  echo " "
  $myecho
  ;;
"\$ans")
  case "\$ans" in
?X:
?X: Answers starting with & are hooks allowing to dynamically turn on/off
?X: some Configure options. That's for the future. -- RAM, 09/01/95
?X: Today, we only recognize '& -d' to mean 'go on as if Configure -d, which
?X: is a hardwired
  behaviour compatible with our general scheme.
?X:
  \\&*)

```

```

set x `expr "X\$ans" : "X&\.*)\$"`
shift
case "\$1" in
-d)
fastread=yes
echo "(OK, I'll run with -d after this question.)" >&4
;;
-*)
echo "*** Sorry, \$1 not supported yet." >&4
;;
esac
$myecho
ans=!
;;
esac;;
*)
case "\$aok" in
y)
echo "*** Substitution done -- please confirm."
xxxm="\$ans"
ans=`echo $n "\$ans$c" | tr ' $trnl' '\`
xxxm="\$ans"
ans=!
;;
*)
echo "*** Error -- try again."
ans=!
;;
esac
$myecho
;;
esac
?X: Stick in myread if no default answer and nothing was answered
case "\$ans\$xxxm\$nostick" in
")
ans=!
$myecho
;;
esac
done
case "\$ans" in
") ans="\$xxxm";;
esac
EOSC

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Myread.U

```

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

?RCS: \$Id: d\_sterror.U,v 3.0.1.3 1994/05/13 15:20:27 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_sterror.U,v \$  
?RCS: Revision 3.0.1.3 1994/05/13 15:20:27 ram  
?RCS: patch27: now uses new macro support for cleaner Sterror def  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/06 14:58:26 ram  
?RCS: patch23: renamed sterror into Sterror to protect name space (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24 14:08:56 ram  
?RCS: patch16: protected code looking for sys\_errnolist[] with @if  
?RCS: patch16: added default value for d\_syserrlst  
?RCS:  
?RCS: Revision  
3.0 1993/08/18 12:07:35 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_syserrlst d\_syserrlst: Csym Findhdr  
?MAKE: -pick add \$@ %<  
?S:d\_syserrlst:  
?S: This variable conditionally defines HAS\_SYS\_ERRLIST if sys\_errlist[] is  
?S: available to translate error numbers to strings.  
?S:.  
?S:d\_syserrnolist:  
?S: This variable conditionally defines HAS\_SYS\_ERRNOLIST if sys\_errnolist[]  
?S: is available to translate error numbers to the symbolic name.  
?S:.  
?C:HAS\_SYS\_ERRLIST (SYSERRLIST):  
?C: This symbol, if defined, indicates that the sys\_errlist array is  
?C: available to translate error numbers to strings. The extern int  
?C: sys\_nerr gives the size of that table.  
?C:.  
?C:HAS\_SYS\_ERRNOLIST (SYSERRNOLIST):  
?C: This symbol, if defined, indicates that the sys\_errnolist array is  
?C: available to translate an errno code into its symbolic name (e.g.  
?C: ENOENT). The extern int sys\_nerrno gives the size of that table.  
?C:.  
?H:#\$d\_syserrlst HAS\_SYS\_ERRLIST /\*\*/



```

?H:#$d_sysernlst HAS_SYS_ERRNOLIST /**/
?H:.
?D:d_sysernlst="
?T:val
:
  see if sys_errlist[] exists
echo " "
if test "X$d_syserrlst" = X; then
if set sys_errlist val -a d_syserrlst; eval $csym; $val; then
  echo "You have sys_errlist[], so we could roll our own strerror."
  d_syserrlst="$define"
else
  echo "You don't have sys_errlist[], so strerror() is welcome."
  d_syserrlst="$undef"
fi
fi
@if d_sysernlst || HAS_SYS_ERRNOLIST
if set sys_errnolist val -a d_sysernlst; eval $csym; $val; then
  echo "(Symbolic error codes can be fetched via the sys_errnolist[] array.)"
  d_sysernlst="$define"
else
  echo "(However, I can't extract the symbolic error code out of errno.)"
  d_sysernlst="$undef"
fi
@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_strerror.U

```

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

```

?RCS: $Id: usecbacktrace.U,v $

```

```

?RCS:

```

```

?RCS: Copyright (c) 2014 H.Merijn Brand

```

```

?RCS:

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```

```

?RCS:

```

```

?RCS: $Log: usecbacktrace.U,v $

```

```

?RCS:

```

```

?MAKE:usecbacktrace: Myread Oldconfig Setvar Getfile d_backtrace

```

```

?MAKE: -pick add $@ %<

```

```

?Y:TOP

```

```

?S:usecbacktrace:

```

```

?S: This variable indicates whether we are compiling with backtrace

```

```

?S: support.

```

```

?S:.

```

```

?C:USE_CBACKTRACE:

```

?C: This symbol, if defined, indicates that Perl should

?C: be built with support for backtrace.

?C:.

?H:#\$usebacktrace USE\_CBACKTRACE /\*\*/

?H:.

?LINT:extern ccflags

?LINT:change ccflags

: add flags if using c backtrace

case "\$usebacktrace" in

"") usebacktrace=\$undef ;;

[yY]\*|true|\$define)

case "\$d\_backtrace" in

[yY]\*|true|\$define)

case " \$ccflags " in

\*" -DUSE\_C\_BACKTRACE "\*" ;; # Already there.

\*) ccflags="\$ccflags

-DUSE\_C\_BACKTRACE -g" ;;

esac

;;

\*)

echo "This system does not support backtrace" >&4

usebacktrace=\$undef

;;

esac

;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/usebacktrace.U

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

?RCS: \$Id\$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_NOFILE.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:08:38 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:39 ram

?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?MAKE:nofile d_gettblsz tablesize: Myread Guess cat +cc +ccflags +libs \
test rm Csym
?MAKE: -pick add $@ %<
?S:nofile:
?S: This variable contains the number of file descriptors available to the
?S: process.
?S:.
?S:d_gettblsz:
?S: This variable conditionally handles remapping
of the getdtablesize()
?S: subroutine to ulimit(4,0), or the NOFILE manifest constant.
?S:.
?S:tablesize:
?S: This variable contains either the 'NOFILE' constant or 'ulimit(4, 0L)'
?S: and is used as the remapped value for the getdtablesize() macro.
?S:.
?C:getdtablesize:
?C: This catches use of the getdtablesize() subroutine, and remaps it
?C: to either ulimit(4,0) or NOFILE, if getdtablesize() isn't available.
?C:.
?C:VAL_NOFILE:
?C: This symbol contains the number of file descriptors available to the
?C: process, as determined at configuration time. Unless a static constant
?C: is needed, you should rely on getdtablesize() to obtain that number.
?C:.
?H:#$d_gettblsz getdtablesize() $tablesize /**/
?H:#define VAL_NOFILE $nofile /* Number of file descriptors */
?H:.
?F:!nofile
?T:d_ulimit4 val
: see if getdtablesize exists
echo " "
?X: Revert logical value (d_gettblsz is undef iff getdtablesize is present)
case "$d_gettblsz" in
$define) d_gettblsz="$undef";;
$undef) d_gettblsz="$define";;
esac
if
set getdtablesize val -f d_gettblsz; eval $csym; $val; then
echo 'getdtablesize() found.' >&4
d_gettblsz="$undef"
tablesize="
@if VAL_NOFILE || nofile
$cat >nofile.c <<'EOCP'
#include <stdio.h>
int main()
{

```

```

printf("%d\n", getdtablesize());
}
EOCP
nofile=""
if $cc $ccflags -o nofile nofile.c $libs >/dev/null 2>&1; then
  nofile=`./nofile 2>/dev/null`
fi
if $test "$nofile"; then
  echo "(You have $nofile file descriptors available per process.)"
else
  nofile='20'
  if ./bsd; then
    nofile='64'
  fi
  echo "(Hmm... Let's say you have $nofile file descriptors available.)"
fi
@end
else
echo 'getdtablesize() NOT found...' >&4
if set ulimit val -f; eval $csym; $val; then
  echo 'Maybe ulimit(4,0) will work...'
  $cat >nofile.c <<'EOCP'
#include <stdio.h>
#ifdef GETPARAM_H
#include <sys/param.h>
#endif
int main()
{
  printf("%d %d\n",
#ifdef NOFILE
    NOFILE,
#else
    0,
#endif
  ulimit(4,0));
  exit(0);
}
EOCP
if $cc $ccflags -DGETPARAM_H -o nofile nofile.c $libs
>/dev/null 2>&1 \
  || $cc $ccflags -o nofile nofile.c $libs >/dev/null 2>&1 ; then
  set `./nofile`
  d_gettblsz=$1
  d_ulimit4=$2
  if $test "$d_ulimit4" -lt 0; then
    echo "Your ulimit() call doesn't tell me what I want to know."
    echo "We'll just use NOFILE in this case."
    nofile=$d_gettblsz

```

```

d_gettblsz="$define"
tablesize='NOFILE'
else
if $test "$d_gettblsz" -gt 0; then
echo "Your system defines NOFILE to be $d_gettblsz, and" >&4
else
echo "I had trouble getting NOFILE from your system, but" >&4
fi
echo "ulimit returns $d_ulimit4 as the number of available file descriptors." >&4
dflt='y';
echo " "
rp='Should I use ulimit to get the number of available file descriptors?'
. ./myread
case "$ans" in
y*)
nfile=$d_ulimit4
d_gettblsz="$define"
tablesize='ulimit(4, 0L)'
echo "Using ulimit(4,0)."
;;
*)
nfile=$d_gettblsz
d_gettblsz="$define"
tablesize='NOFILE'
echo "Using NOFILE."
;;
esac
fi
else
echo
"Strange, I couldn't get my test program to compile."
echo "We'll just use NOFILE in this case."
d_gettblsz="$define"
tablesize='NOFILE'
nfile=""
fi
else
echo 'Using NOFILE instead.'
d_gettblsz="$define"
tablesize='NOFILE'
nfile=""
fi
fi
@if VAL_NOFILE || nfile
case "$nfile" in
")
$cat >nfile.c <<'EOCP'
#include <stdio.h>

```

```

#ifdef GETPARAM_H
#include <sys/param.h>
#endif
int main()
{
    printf("%d\n",
#ifdef NOFILE
        NOFILE,
#else
        0,
#endif
    );
    exit(0);
}
EOCP
if $cc $ccflags -DGETPARAM_H -o nofile nofile.c $libs >/dev/null 2>&1 \
|| $cc $ccflags -o nofile nofile.c $libs >/dev/null 2>&1 ; then
    nofile=`./nofile 2>/dev/null`
fi
if $test "$nofile"; then
    echo "(You have $nofile file descriptors available per process.)"
else
    nofile='20'
    if ./bsd; then
        nofile='64'
    fi
    echo "(Hmm... Let's say you have $nofile file descriptors available.)"
fi
;;
esac
@end
$rm -f nofile*

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_NOFILE.U

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?RCS:

?MAKE:d\_getnameinfo: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_getnameinfo:

?S: This variable conditionally defines the HAS\_GETNAMEINFO symbol,  
?S: which indicates to the C program that the getnameinfo() function  
?S: is available.  
?S:.

?C:HAS\_GETNAMEINFO:

?C: This symbol, if defined, indicates that the getnameinfo() function  
?C: is available for use.

?C:.

?H:#\$d\_getnameinfo HAS\_GETNAMEINFO /\*\*/

?H:.

?LINT:set d\_getnameinfo

: see if getnameinfo exists

set getnameinfo d\_getnameinfo

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getnameinfo.U

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

?RCS: \$Id: d\_usendir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_usendir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:47:34 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: likewise for .o replaced by \$\_o

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_usendir i\_ndir ndirlib: test Setvar Findhdr d\_readdir \_a

?MAKE: -pick add \$@ %<

?S:d\_usendir:

?S: This variable conditionally defines the EMULATE\_NDIR symbol, which

?S: indicates

to the C program that it should compile the ndir.c code

?S: provided with the package.

?S:.

?S:i\_ndir (d\_libndir):

?S: This variable conditionally defines the I\_NDIR symbol, which

?S: indicates to the C program that it should include the system's  
?S: version of ndir.h, rather than the one with this package.  
?S:.  
?S:ndirlib:  
?S: The name of the library to include at linking stage to resolve ndir  
?S: symbols. It is up to the makefile to use this value.  
?S:.  
?C:EMULATE\_NDIR (USEENDIR):  
?C: This symbol, if defined, indicates that the program should compile  
?C: the ndir.c code provided with the package.  
?C:.  
?C:I\_NDIR (LIBNDIR):  
?C: This symbol, if defined, indicates that the program should include the  
?C: system's version of ndir.h, rather than the one with this package.  
?C:.  
?H:#\$d\_usendir EMULATE\_NDIR /\*\*/  
?H:#\$i\_ndir I\_NDIR /\*\*/  
?H:.  
?T:val2  
?LINT: set d\_usendir i\_ndir  
: see if there are directory access routines out there  
echo " "  
if \$test `./findhdr ndir.h` && \  
( \$test -r /usr/lib/libndir\$\_a  
|| \$test -r /usr/local/lib/libndir\$\_a ); then  
echo "Ndir library found." >&4  
if \$test -r /usr/lib/libndir\$\_a; then  
ndirlib='-lndir'  
else  
ndirlib="/usr/local/lib/libndir\$\_a"  
fi  
val2="\$define"  
val="\$undef"  
else  
ndirlib="  
val2="\$undef"  
case "\$d\_readdir" in  
"\$define")  
echo "No ndir library found, but you have readdir() so we'll use that." >&4  
val="\$undef";  
;;  
\*)  
echo "No ndir library found." >&4  
val="\$define"  
;;  
esac  
fi  
set d\_usendir



```
eval $setvar
val="$val2"
set i_ndir
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_usendir.U
```

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

```
?RCS: $Id: d_setlnbuf.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_setlnbuf.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:11:57 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_setlinebuf: Inlibc
?MAKE: -pick add $@ %<
?S:d_setlinebuf:
?S: This variable conditionally defines the HAS_SETLINEBUF symbol, which
?S: indicates to the C program that the setlinebuf() routine is available
?S: to change stderr or stdout from block-buffered or unbuffered
to a
?S: line-buffered mode.
?S:.
?C:HAS_SETLINEBUF :
?C: This symbol, if defined, indicates that the setlinebuf routine is
?C: available to change stderr or stdout from block-buffered or unbuffered
?C: to a line-buffered mode.
?C:.
?H:#$d_setlinebuf HAS_SETLINEBUF /**/
?H:.
?LINT:set d_setlinebuf
: see if setlinebuf exists
set setlinebuf d_setlinebuf
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setlnbuf.U

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

?RCS: \$Id: d\_safemcpy.U,v 3.0.1.5 1997/02/28 15:41:12 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_safemcpy.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:41:12 ram

?RCS: patch61: improved overlapping copy check

?RCS: patch61: comfort them if they have memmove

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.4 1995/07/25 13:58:46 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.3 1995/03/21 08:47:26 ram

?RCS: patch52: swapped two first arguments of memcpy() calls

?RCS:

?RCS:

Revision 3.0.1.2 1994/10/29 16:15:10 ram

?RCS: patch36: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:53:12 ram

?RCS: patch23: ensure string is not optimized in read-only memory (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_safemcpy: Compile cat d\_memcpy rm\_try run \

d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_safemcpy:

?S: This variable conditionally defines the HAS\_SAFE\_MEMCPY symbol if

?S: the memcpy() routine can do overlapping copies.

?S: For overlapping copies, memmove() should be used, if available.

?S:.

?C:HAS\_SAFE\_MEMCPY (SAFE\_MEMCPY):

?C: This symbol, if defined, indicates that the memcpy routine is available

?C: to copy potentially overlapping memory blocks. If you need to

?C: copy overlapping memory blocks, you should check HAS\_MEMMOVE and

```

?C: use memmove() instead, if available.
?C:.
?H:#$d_safemcpy HAS_SAFE_MEMCPY /**/
?H:.
?F:!try
?LINT:
    set d_safemcpy
: can memcpy handle overlapping blocks?
echo " "
?X: assume the worst
val="$undef"
case "$d_memmove" in
"$define") echo "I'll use memmove() instead of memcpy() for overlapping copies." ;;
*) case "$d_memcpy" in
"$define")
    echo "Checking to see if memcpy() can do overlapping copies..." >&4
    $cat >try.c <<EOCP
#i_memory I_MEMORY
#i_stdlib I_STDLIB
#i_string I_STRING
#i_unistd I_UNISTD
EOCP
    $cat >>try.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;
int off;
int align;

/* Copy "abcde..." string to char abc[] so that gcc doesn't
try to store the string in read-only memory. */

```

```
memcpy(abc, "abcdefghijklmnopqrstuvwxy0123456789", 36);
```

```
for (align = 7; align >=
0; align--) {
for (len = 36; len; len--) {
b = buf+align;
memcpy(b, abc, len);
for (off = 1; off <= len; off++) {
memcpy(b+off, b, len);
memcpy(b, b+off, len);
if (memcmp(b, abc, len))
exit(1);
}
}
}
exit(0);
}
```

EOCP

```
set try
if eval $compile_ok; then
if $run ./try 2>/dev/null; then
echo "Yes, it can."
val="$define"
else
echo "It can't, sorry."
fi
else
echo "(I can't compile the test program, so we'll assume not...)"
fi
;;
esac
$rm_try
;;
esac
set d_safemcpy
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_safemcpy.U
```

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

```
?RCS: $Id: d_mkfifo.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```

?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_mkfifo.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:14:17 ram
?RCS: patch36: created by ADO
?RCS:
?RCS:
?MAKE:d_mkfifo: Inlibc
?MAKE: -pick add $@ %<
?S:d_mkfifo:
?S: This variable conditionally defines the HAS_MKFIFO symbol, which
?S: indicates to the C program that the mkfifo() routine is available.
?S:.
?C:HAS_MKFIFO :
?C: This symbol, if defined, indicates that the mkfifo
routine is
?C: available to create FIFOs. Otherwise, mknod should be able to
?C: do it for you. However, if mkfifo is there, mknod might require
?C: super-user privileges which mkfifo will not.
?C:.
?H:#$d_mkfifo HAS_MKFIFO /**/
?H:.
?LINT:set d_mkfifo
: see if mkfifo exists
set mkfifo d_mkfifo
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_mkfifo.U

```

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

```

?RCS: $Id: Extractall.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extractall.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:00:43 ram

```

```

?RCS: patch61: created
?RCS:
?X:
?X: If extraction has been requested, load the configuration file, perform
?X: the extraction and exit.
?X:
?X: This unit was originally a part of Options.U. It had to be removed from
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract
?X: The Begin.U unit now requires us before beginning to do anything
?X: interesting, to ensure
proper semantics. -- RAM, 15/03/96
?X:
?MAKE:Extractall: Extract Options
?MAKE: -pick wipe $@ %<
: extract files and exit if asked to do so
case "$extractsh" in
true)
?X: Undo the forced silent=true when -S was supplied, by probing realsilent
?X: which was set iff -s was also given. See Options.U for details.
case "$realsilent" in
true) ;;
*) exec 1>&4;;
esac
case "$config_sh" in
") config_sh='config.sh';;
esac
echo " "
echo "Fetching answers from $config_sh..."
cd ..
. $config_sh
?X: extract has to be run from the top directory, not within UU.
. UU/optdef.sh
echo " "
?X: extract has to be run from the top directory, not within UU.
. UU/extract
rm -rf UU
echo "Extraction done."
exit 0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/Extractall.U

```

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

```

?RCS: $Id$

```

```

?RCS:

```

```

?RCS: Copyright (c) 2001 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_usleepproto: Hasproto i_unistd
?MAKE: -pick add $@ %<
?S:d_usleepproto:
?S: This variable conditionally defines the HAS_USLEEP_PROTO symbol,
?S: which indicates to the C program that the system provides
?S: a prototype for the usleep() function. Otherwise, it is
?S: up to the program to supply one.
?S:.
?C:HAS_USLEEP_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the usleep() function. Otherwise, it is up
?C: to the program to supply one. A good guess is
?C: extern int
?C: usleep(useconds_t);
?C:.
?H:#$d_usleepproto HAS_USLEEP_PROTO /**/
?H:.
?LINT:set d_usleepproto
: see if prototype for usleep is available
echo " "
set d_usleepproto usleep $i_unistd unistd.h
eval $hasproto

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_usleepproto.U

```

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

```

?RCS: $Id: d_shmdt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_shmdt.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:19 ram

```

?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_shmmdt: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_shmmdt:  
?S: This variable conditionally defines the HAS\_SHMMDT symbol, which  
?S: indicates to the C program that the shmmdt() routine is available.  
?S:.  
?C:HAS\_SHMMDT:  
?C: This symbol, if defined, indicates that the shmmdt() routine is  
?C: available to detach a shared memory segment from the process  
space.  
?C:.  
?H:#\$d\_shmmdt HAS\_SHMMDT /\*\*/  
?H:.  
?LINT:set d\_shmmdt  
: see if shmmdt exists  
set shmmdt d\_shmmdt  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_shmmdt.U

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

?RCS: \$Id: d\_strtol.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_strtol.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:39 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_strtol: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strtol:  
?S: This variable conditionally defines the HAS\_STRTOL symbol, which  
?S: indicates to the C program that the strtol() routine is available  
?S: to provide better numeric string conversion than atoi() and friends.  
?S:.  
?C:HAS\_STRTOL (STRTOL):  
?C: This symbol, if defined, indicates that



the strtol routine is available  
?C: to provide better numeric string conversion than atoi() and friends.  
?C:.  
?H:#\$d\_strtol HAS\_STRTOL /\*\*/  
?H:.  
?LINT:set d\_strtol  
: see if strtol exists  
set strtol d\_strtol  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strtol.U

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

?RCS: \$Id: d\_select.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_select.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:02 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_select: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_select:  
?S: This variable conditionally defines HAS\_SELECT if select() is  
?S: available to select active file descriptors. A <sys/time.h>  
?S: inclusion may be necessary for the timeout field.  
?S:.  
?C:HAS\_SELECT:  
?C: This symbol, if defined, indicates that the select routine is  
?C: available  
to select active file descriptors. If the timeout field  
?C: is used, <sys/time.h> may need to be included.  
?C:.  
?H:#\$d\_select HAS\_SELECT /\*\*/  
?H:.  
?LINT:set d\_select  
: see if select exists  
set select d\_select  
eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_select.U
```

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

```
?RCS: $Id: basicshell.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: basicshell.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:25 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:basicshell: Getfile Oldconfig bash csh ksh sh
```

```
?MAKE: -pick add $@ %<
```

```
?S:basicshell:
```

```
?S: This variable contains the eventual value of the BASICSHELL symbol,
```

```
?S: which contains the full name of the basic script shell on this
```

```
?S: system. Usual values are /bin/sh, /bin/ksh, /bin/csh.
```

```
?S:.
```

```
?C:BASICSHELL:
```

```
?C: This symbol contains the
```

```
full name of the basic script shell on this
```

```
?C: system. Usual values are /bin/sh, /bin/ksh, /bin/csh.
```

```
?C:.
```

```
?H:#define BASICSHELL "$basicshell" /**/
```

```
?H:.
```

```
: find the most basic shell for scripts
```

```
echo " "
```

```
case "$basicshell" in
```

```
)
```

```
case "$sh $bash $csh $ksh" in
```

```
*/sh*) dflt="$sh" ;;
```

```
*/ksh*) dflt="$ksh" ;;
```

```
*/csh*) dflt="$csh" ;;
```

```
*/bash*) dflt="$bash" ;;
```

```
*) dflt="/bin/sh" ;;
```

```
esac
```

```
::
```

```
*)
```

```
dflt="$basicshell";;
```

```
esac
fn=f
rp="Give the full path name of the most basic shell used on your system"
./getfile
basicshell=$ans
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/basicshell.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS:

?X:

?X: This unit is just a quick shorthand for the compile command

?X: to be used in all the other metaconfig units.

?X:

?MAKE:Compile: +cc +optimize +ccflags +ldflags +libs

?MAKE: -pick add \$@ %<

?LINT:define compile compile\_ok

?V:compile compile\_ok mc\_file

?S:compile:

?S: This shell variable is used internally

by Configure to provide

?S: a convenient shorthand for the typical compile command, namely

?S: \$cc \$optimize \$ccflags \$ldflags -o \$1 \$1.c \$libs > /dev/null 2>&1

?S: Note that the output filename does not include the \_exe

?S: extension. Instead we assume that the linker will be

?S: "helpful" and automatically appending the correct suffix.

?S: OS/2 users will apparently need to supply the -Zexe flag to

?S: get this behavior.

?S:

?S: To use this variable, say something like:

?S: echo 'int main() { exit(0); }' > try.c

```

?S: set try
?S: if eval $compile; then
?S: echo "success" # and do whatever . . .
?S: else
?S: echo "failure" # and do whatever . . .
?S: fi
?S: To add extra flags cc flags (e.g. -DWHATEVER) just put them
?S: in $*, e.g.
?S: set try -DTRY_THIS_FLAG
?S:.
?S:compile_ok:
?S: This shell variable is used internally by Configure to provide
?S: a convenient shorthand for the typical compile command that you
?S: expect to work ok. It is the same as $compile,
except we
?S: deliberately let the user see any error messages.
?S:.
: define a shorthand compile call
compile='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs > /dev/null 2>&1;'
: define a shorthand compile call for compilations that should be ok.
compile_ok='
mc_file=$1;
shift;
$cc -o ${mc_file} $optimize $ccflags $ldflags $* ${mc_file}.c $libs;'

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/Compile.U

```

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

```

?RCS: $Id: d_strxfrm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_strxfrm.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:12:04 ram
?RCS: patch32: created by ADO

```

?RCS:  
?MAKE:d\_strxfrm: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strxfrm:  
?S: This variable conditionally defines HAS\_STRXFRM if strxfrm() is  
?S: available to transform strings.  
?S:.  
?C:HAS\_STRXFRM:  
?C: This symbol, if defined, indicates that the strxfrm() routine is  
?C: available to transform  
strings.  
?C:.  
?H:#\$d\_strxfrm HAS\_STRXFRM /\*\*/  
?H:.  
?LINT:set d\_strxfrm  
: see if strxfrm exists  
set strxfrm d\_strxfrm  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strxfrm.U

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

?RCS: \$Id: d\_lstat.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_lstat.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:28 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_lstat: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_lstat:  
?S: This variable conditionally defines HAS\_LSTAT if lstat() is  
?S: available to do file stats on symbolic links.  
?S:.  
?C:HAS\_LSTAT (LSTAT):  
?C: This symbol, if defined, indicates that the lstat routine is  
?C: available to do file stats on symbolic links.  
?C:.

?H:#\$d\_lstat HAS\_LSTAT /\*\*/

?H:.

?LINT:set

d\_lstat

: see if lstat exists

set lstat d\_lstat

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_lstat.U

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

?RCS: \$Id: i\_netdb.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_netdb: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_netdb:

?S: This variable conditionally defines the I\_NETDB symbol, and indicates

?S: whether a C program should include <netdb.h>.

?S:.

?C:I\_NETDB:

?C: This symbol, if defined, indicates that <netdb.h> exists and

?C: should be included.

?C:.

?H:#\$i\_netdb I\_NETDB /\*\*/

?H:.

?LINT:set i\_netdb

: see if this is a netdb.h system

set netdb.h i\_netdb

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_netdb.U

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

?RCS: \$Id: i\_syswait.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_syswait.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:42 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit looks wether <sys/wait.h> is available or not

?X:

?MAKE:i\_syswait: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_syswait:

?S: This variable conditionally defines I\_SYS\_WAIT, which indicates

?S: to the C program that it should include <sys/wait.h>.

?S:.

?C:I\_SYS\_WAIT (I\_SYSWAIT):

?C: This symbol, if defined, indicates to the C program

that it should

?C: include <sys/wait.h>.

?C:.

?H:#\$i\_syswait I\_SYS\_WAIT /\*\*/

?H:.

?LINT:set i\_syswait

: see if this is a syswait system

set sys/wait.h i\_syswait

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_syswait.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: pager.U,v \$

?RCS: Revision 3.0.1.2 1995/01/30 14:41:26 ram

?RCS: patch49: ensure dflt gets initialized in case no pagers are found (WED)

?RCS:

```

?RCS: Revision 3.0.1.1 1994/10/29 16:27:45 ram
?RCS: patch36: replaced Myread by Getfile in the dependency line
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:30 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE: pager: pg more less Getfile Oldconfig
?MAKE: -pick add $@ %<
?S: pager:
?S: This variable contains the name of the preferred pager
    on the system.
?S: Usual values are (the full pathnames of) more, less, pg, or cat.
?S.:
: locate the preferred pager for this system
fn=f/
case "$pager" in
")
    dflt="
case "$pg" in
/*) dflt=$pg;;
[a-zA-Z]:/*) dflt=$pg;;
esac
case "$more" in
/*) dflt=$more;;
[a-zA-Z]:/*) dflt=$more;;
esac
case "$less" in
/*) dflt=$less;;
[a-zA-Z]:/*) dflt=$less;;
esac
case "$dflt" in
") dflt=/usr/ucb/more;;
esac
;;
*) dflt="$pager"
;;
esac
?X: Instruct ./getfile to trust the default pager value,
?X: even if it does not begin with a slash. For example, on os2,
?X: pager might be cmd /c more. Also, it might include some options,
?X: such as '/usr/bin/less -R'. ./getfile would report that
?X: "/usr/bin/less -R" doesn't exist.
?X: See comments in Getfile.U.
fn="f/($dflt)"
echo " "
rp="What pager is used on your system?"
./getfile
pager="$ans"

```



Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/pager.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2017, 2019, Karl Williamson

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:i\_wctype: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_wctype:

?S: This variable conditionally defines the I\_WCTYPE symbol,

?S: that indicates whether a C program may include <wctype.h>.

?S:.

?C:I\_WCTYPE:

?C: This symbol, if defined, indicates that <wctype.h> exists.

?C:.

?H:#\$i\_wctype I\_WCTYPE /\*\*/

?H:.

?LINT:set i\_wctype

: see if this system has wctype.h

set wctype.h i\_wctype

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_wctype.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_localeconv\_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_localeconv\_l:

?S: This variable conditionally defines the HAS\_LOCALECONV\_L symbol, which

?S: indicates to the C program that the localeconv\_l() routine is available.

?S:.

?C:HAS\_LOCALECONV\_L:

?C: This symbol, if defined, indicates that the localeconv\_l routine is

?C: available to query certain information about a locale.

?C:.

?H:#\$d\_localeconv\_l HAS\_LOCALECONV\_L /\*\*/

?H:.

?LINT:set d\_localeconv\_l

: see if localeconv\_l exists

set localeconv\_l d\_localeconv\_l

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_localeconv\_l.U

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

?RCS: \$Id: privlib.U,v 3.1 1999/07/08 18:32:29 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: privlib.U,v \$

?RCS: Revision 3.1 1999/07/08 18:32:29 doughera

?RCS: Updated for perl5.005\_5x

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:17:09 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:44:23 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.2 1994/08/29 16:31:52 ram

?RCS:

patch32: now uses installation prefix

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 16:12:34 ram

?RCS: patch10: added support for /local/lib (WED)

?RCS: patch10: prompt phrasing made more explicit (WED)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:35 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:privlib privlibexp installprivlib: package cat Getfile Oldconfig \  
 Setprefixvar Prefixit version installstyle binexp

?MAKE: -pick add \$@ %<

?Y:TOP

?D:privlib="

?S:privlib:

?S: This variable contains the eventual value of the PRIVLIB symbol,  
 ?S: which is the name of the private library for this package. It may  
 ?S: have a ~ on the front. It is up to the makefile to eventually create  
 ?S: this directory while performing installation (with ~ substitution).  
 ?S:.

?D:privlibexp="

?S:privlibexp:

?S: This variable is the ~name expanded version of privlib, so that you  
 ?S: may use it directly in Makefiles or shell scripts.  
 ?S:.

?D:installprivlib="

?S:installprivlib:

?S: This variable  
 is really the same as privlibexp but may differ on  
 ?S: those systems using AFS. For extra portability, only this variable  
 ?S: should be used in makefiles.  
 ?S:.

?C:PRIVLIB:

?C: This symbol contains the name of the private library for this package.  
 ?C: The library is private in the sense that it needn't be in anyone's  
 ?C: execution path, but it should be accessible by the world. The program  
 ?C: should be prepared to do ~ expansion.  
 ?C:.

?C:PRIVLIB\_EXP:

?C: This symbol contains the ~name expanded version of PRIVLIB, to be used  
 ?C: in programs that are not prepared to deal with ~ expansion at run-time.  
 ?C:.

?H:#define PRIVLIB "\$privlib" /\*\*/  
 ?H:#define PRIVLIB\_EXP "\$privlibexp" /\*\*/  
 ?H:.

?LINT:change prefixvar  
 ?LINT:set installprivlib  
 ?LINT:set privlib  
 ?LINT:set privlibexp  
 : determine where private library files go  
 : Usual default is /usr/local/lib/perl5/\$version.  
 : Also allow things like /opt/perl/lib/\$version, since  
 : /opt/perl/lib/perl5... would be redundant.  
 : The default "style"

```
setting is made in installstyle.U
case "$installstyle" in
*lib/perl5*) set dflt privlib lib/$package/$version ;;
*) set dflt privlib lib/$version ;;
esac
eval $prefixit
$cat <<EOM
```

There are some auxiliary files for \$package that need to be put into a private library directory that is accessible by everyone.

EOM

```
?X: Force dependency on bin.U
fn=$binexp
fn=d~+
rp='Pathname where the private library files will reside?'
./getfile
prefixvar=privlib
./setprefixvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/privlib.U
```

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

```
?RCS: $Id: d_gethbyaddr.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_gethbyaddr: Inlibc
?MAKE: -pick add $@ %<
?S:d_gethbyaddr:
?S: This variable conditionally defines the HAS_GETHOSTBYADDR symbol, which
?S: indicates to the C program that the gethostbyaddr() routine is available
?S: to look up hosts by their IP addresses.
?S:.
?C:HAS_GETHOSTBYADDR:
?C: This symbol, if defined, indicates that the gethostbyaddr() routine is
?C: available to look up hosts by their IP addresses.
?C:.
?H:#$d_gethbyaddr HAS_GETHOSTBYADDR /**/
?H:.
?LINT:set d_gethbyaddr
: see if gethostbyaddr exists
set gethostbyaddr d_gethbyaddr
```

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_gethbyad.U

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

?RCS: \$Id: d\_pread.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_pread.U,v \$

?RCS:

?MAKE:d\_pread: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pread:

?S: This variable conditionally defines the HAS\_PREAD symbol, which

?S: indicates to the C program that the pread() routine is available.

?S:.

?C:HAS\_PREAD :

?C: This symbol, if defined, indicates that the pread routine is

?C: available to perform reads on a file descriptor at a given offset.

?C:.

?H:#\$d\_pread HAS\_PREAD /\*\*/

?H:.

?LINT:set d\_pread

: see if pread exists

set

pread d\_pread

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pread.U

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

?RCS: \$Id: i\_float.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: i\_float.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:21:57 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:i\_float: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_float:  
?S: This variable conditionally defines the I\_FLOAT symbol, and indicates  
?S: whether a C program may include <float.h> to get symbols like DBL\_MAX  
?S: or DBL\_MIN, i.e. machine dependent floating point values.  
?S:.  
?C:I\_FLOAT:  
?C: This  
symbol, if defined, indicates to the C program that it should  
?C: include <float.h> to get definition of symbols like DBL\_MAX or  
?C: DBL\_MIN, i.e. machine dependent floating point values.  
?C:.  
?H:#\$i\_float I\_FLOAT /\*\*/  
?H:.  
?LINT:set i\_float  
: see if this is a float.h system  
set float.h i\_float  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_float.U

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

?RCS: \$Id: d\_pipe.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_pipe.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:11:44 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_pipe: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pipe:

?S: This variable conditionally defines the HAS\_PIPE symbol, which

?S: indicates to the C program that the pipe() routine is available

?S: to create an inter-process channel.

?S:.

?C:HAS\_PIPE :

?C: This symbol, if defined, indicates  
that the pipe routine is

?C: available to create an inter-process channel.

?C:.

?H:#\$d\_pipe HAS\_PIPE /\*\*/

?H:.

?LINT:set d\_pipe

: see if pipe exists

set pipe d\_pipe

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pipe.U

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

?RCS: Copyright (c) 2006-2007, H.Merijn Brand

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_snprintf\_l d\_vsnprintf\_l : Inlibc d\_snprintf d\_vsnprintf

?MAKE: -pick add \$@ %<

?S:d\_snprintf\_l:

?S: This variable conditionally defines the HAS\_SNPRINTF\_L symbol, which

?S: indicates to the C program that the snprintf\_l () library function

?S: is available.

?S:.

?S:d\_vsnprintf\_l:

?S: This variable conditionally defines the HAS\_VSNPRINTF\_L symbol, which

?S: indicates to the C program that the vsnprintf\_l () library function

?S: is available.

?S:.

?C:HAS\_SNPRINTF\_L:

?C: This symbol, if defined, indicates that the snprintf\_1 () library

?C: function

is available for use.

?C:.

?C:HAS\_VSNPRINTF\_L:

?C: This symbol, if defined, indicates that the vsnprintf\_1 () library

?C: function is available for use.

?C:.

?H:#\$d\_snprintf\_1 HAS\_SNPRINTF\_L /\*\*/

?H:#\$d\_vsnprintf\_1 HAS\_VSNPRINTF\_L /\*\*/

?H:.

: see if snprintf\_1 exists

set snprintf\_1 d\_snprintf\_1

eval \$inlibc

: see if vsnprintf\_1 exists

set vsnprintf\_1 d\_vsnprintf\_1

eval \$inlibc

case "\$d\_snprintf-\$d\_vsnprintf-\$d\_snprintf\_1-\$d\_vsnprintf\_1" in  
"\$define-\$define-\$define-\$define")

;;

\*) echo "(These require the basic snprintf and vsnprintf to also be available, which they aren't"

d\_snprintf\_1="\$undef"

d\_vsnprintf\_1="\$undef"

;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_snprintf\_1.U

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

?RCS: \$Id: d\_chroot.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_chroot.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:07:17 ram

?RCS: patch32: created by ADO



?RCS:  
?MAKE:d\_chroot: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_chroot:  
?S: This variable conditionally defines the HAS\_CHROOT symbol, which  
?S: indicates to the C program that the chroot() routine is available.  
?S:.  
?C:HAS\_CHROOT :  
?C: This symbol, if defined, indicates that the chroot routine  
is  
?C: available.  
?C:.  
?H:#\$d\_chroot HAS\_CHROOT /\*\*/  
?H:.  
?LINT:set d\_chroot  
: see if chroot exists  
set chroot d\_chroot  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_chroot.U

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

?RCS: \$Id: d\_syscall.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_syscall.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:42 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_syscall: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_syscall:  
?S: This variable conditionally defines HAS\_SYSCALL if syscall() is  
?S: available call arbitrary system calls.  
?S:.  
?C:HAS\_SYSCALL (SYSCALL):  
?C: This symbol, if defined, indicates that the syscall routine is  
?C: available to call arbitrary system calls. If undefined, that's tough.  
?C:.

```
?H:#$d_syscall
HAS_SYSCALL /**/
?H:
?LINT:set d_syscall
: see if syscall exists
set syscall d_syscall
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_syscall.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Thomas Neumann <tom@smart.bo.open.de>
?RCS:
?RCS: $Log: Findhdr.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 15:53:08 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:03:56 ram
?RCS: patch23: cppminus must be after other cppflags, not before
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:54 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a findhdr script which is used to locate the header
?X: files
?X: in $usrinc or other stranger places using cpp capabilities. The
?X: script is given an include file base name, like 'stdio.h' or 'sys/file.h'
?X: and it returns the full path of the include file and a zero status or an
?X: empty string with an error status if the file could not be located.
?X:
?MAKE:Findhdr: grep test tr rm +usrinc awk cat startsh \
cppstdin cppminus +cppflags eunicefix osname
?MAKE: -pick add $@ %<
?LINT:define fieldn
?S:fieldn:
```

?S: This variable is used internally by Configure. It contains the position  
?S: of the included file name in cpp output. That is to say, when cpp  
?S: pre-processes a #include <file> line, it replaces it by a # line which  
?S: contains the original position in the input file and the full name of  
?S: included file, between "quotes".

?S:.

?V:fieldn

?F:./findhdr !fieldn

?T:cline pos wanted name awkprg cppfilter testaccess status usrinmdir

: determine filename position in cpp output

echo " "

echo "Computing filename position in cpp output for #include  
directives..." >&4

echo '#include <stdio.h>' > foo.c

case "\$osname" in

vos)

testaccess=-e

?X: VOS: path component separator is >

cppfilter="tr '\\\\>' '/' |"

::

\*)

testaccess=-r

cppfilter="

::

esac

\$cat >fieldn <<EOF

\$startsh

\$cppstdin \$cppflags \$cppminus <foo.c 2>/dev/null | \

\$grep '^[ ]\*#.\*stdio.h' | \

while read cline; do

pos=1

set \$cline

while \$test \$# -gt 0; do

if \$test \$testaccess \`echo \\${1} | \$tr -d ""\`; then

echo "\\$pos"

exit 0

fi

shift

pos=\`expr \\$pos + 1\`

done

done

EOF

chmod +x fieldn

fieldn=`./fieldn`

\$rm -f foo.c fieldn

case \$fieldn in

") pos='???';;

1) pos=first;;

```

2) pos=second;;
3) pos=third;;
*) pos="{fieldn}th";;
esac
echo "Your cpp writes the filename in the $pos field of the line."

```

?X: To locate a header file, we cannot simply check for \$usrinc/file.h, since  
?X: some machine have the headers in weird places and our only hope is that  
?X: the C pre-processor will know how to find those headers. Thank you Next!

: locate header file

```

$cat
>findhdr <<EOF
$startsh
wanted=\$1
name=""
for usrincdir in $usrinc; do
if test -f \${usrincdir}/$wanted; then
echo "\${usrincdir}/$wanted"
exit 0
fi
done
awkprg='{ print \$$fieldn }'
echo "#include <${wanted}>" > foo\$\$.c
$cppstdin $cppminus $cppflags < foo\$\$.c 2>/dev/null | \
$cppfilter $grep "^[ ]*#.*\${wanted}" | \
while read cline; do
name=\`echo \${cline} | $awk "\${awkprg}" | $tr -d ""\`
case "\${name}" in
*[\|\\\]\${wanted}) echo "\${name}"; exit 1;;
*[\|\\\]\${wanted}) echo "\${name}"; exit 1;;
*) exit 2;;
esac
done
?X: status = 0: grep returned 0 lines, case statement not executed
?X: status = 1: headerfile found
?X: status = 2: while loop executed, no headerfile found
status=\$?
$rm -f foo\$\$.c
if test \${status} -eq 1; then
exit 0
fi
exit 1
EOF
chmod +x findhdr
$eunicefix findhdr

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/Findhdr.U

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2015 Jarkko Hietaniemi, H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:longdblinfo bytes longdblinfo bytes doubleinfo bytes doubleinfo bytes: Inlibc \

cat Compile run rm\_try Setvar echo d\_longdbl \

doublekind doublesize longdblkind longdblsize

?MAKE: -pick add \$@ %<

?S:longdblinfo bytes:

?S: This variable contains comma-separated list of hexadecimal bytes

?S: for the long double precision infinity.

?S:.

?S:longdblinfo bytes:

?S: This variable contains comma-separated list of hexadecimal bytes

?S: for the long double precision not-a-number.

?S:.

?S:doubleinfo bytes:

?S: This variable contains comma-separated list of hexadecimal bytes

?S: for the double precision infinity.

?S:.

?S:doubleinfo bytes:

?S: This variable contains comma-separated list of hexadecimal bytes

?S: for

the double precision not-a-number.

?S:.

?C:DOUBLEINFO BYTES:

?C: This symbol, if defined, is a comma-separated list of

?C: hexadecimal bytes for the double precision infinity.

?C:.

?C:DOUBLEINFO BYTES:

?C: This symbol, if defined, is a comma-separated list of

?C: hexadecimal bytes (0xHH) for the double precision not-a-number.

?C:.

?C:LONGDBLINFO BYTES:

?C: This symbol, if defined, is a comma-separated list of

?C: hexadecimal bytes for the long double precision infinity.

?C:.

?C:LONGDBLINFO BYTES:

?C: This symbol, if defined, is a comma-separated list of

?C: hexadecimal bytes (0xHH) for the long double precision not-a-number.

?C:.

?H:#define DOUBLEINFO BYTES \$doubleinfo bytes /\*\*/

```

?H:#define DOUBLENANBYTES $doublenanbytes /**/
?H:#define LONGDBLINFBYTES $longdblinfoytes /**/
?H:#define LONGDBLNANBYTES $longdblinfoytes /**/
?H:.
?F:!try
: Check what kind of inf/nan your system has
$echo "Checking the kind of infinities and nans you have..." >&4
$echo "(The following tests may crash. That's
okay.)" >&4
$cat >try.c <<EOP
#define DOUBLESIZE $doublesize
#$d_longdbl HAS_LONG_DOUBLE
#ifdef HAS_LONG_DOUBLE
#define LONG_DOUBLESIZE $longdblsize
#define LONG_DOUBLEKIND $longdblkind
#endif
#include <math.h>
#include <string.h>
#include <stdio.h>
/* Note that whether the sign bit is on or off
* for NaN depends on the CPU/FPU, and possibly
* can be affected by the build toolchain.
*
* For example for older MIPS and HP-PA 2.0 the quiet NaN is:
* 0x7f, 0xf7, 0xff, 0xff, 0xff, 0xff, 0xff, 0xff
* 0x7f, 0xf4, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00
* (respectively) as opposed to the more usual
* 0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00
*
* Pre-IEEE-754 floating point format do not even have inf/nan support
* at all. They might have a "max" value (DBL_MAX), which may be deadly
* to even mention, causing immediate SIGFPE or equivalent: this is
* the case with VAX floating point, for example.
*/
static void bytes(void *v, unsigned int n) {
    unsigned char *p = (unsigned
    char *)v;
    int i;
    for (i = 0; i < n; i++) {
        printf("0x%02x%s", p[i], i < n - 1 ? ", " : "\n");
    }
}
int main(int argc, char *argv[]) {
    /* We cannot use 1.0/0.0 and 0.0/0.0 (with L suffixes for long double)
    * because some compilers are 'smart' and not only warn but refuse to
    * compile such 'illegal' values. */
    double dinf = exp(1e9);
    double dnan = sqrt(-1.0);

```

```

#ifdef HAS_LONG_DOUBLE
    long double ldinf = (long double)exp(1e9);
    long double ldnan = (long double)sqrt(-1.0);
    # if LONG_DOUBLEKIND == 3 || LONG_DOUBLEKIND == 4
    /* the 80-bit long doubles might have garbage in their excess bytes */
    memset((char *)&ldinf + 10, '\0', LONG_DOUBLESIZE - 10);
    memset((char *)&ldnan + 10, '\0', LONG_DOUBLESIZE - 10);
    # endif
    if (argc == 2) {
        switch (argv[1][0]) {
            case '1': bytes(&dinf, sizeof(dinf)); break;
            case '2': bytes(&dnan, sizeof(dnan)); break;
            case '3': bytes(&ldinf, sizeof(ldinf)); break;
            case '4': bytes(&ldnan, sizeof(ldnan)); break;
        }
    }
    return 0;
}
EOP
set try
if eval $compile; then
    doubleinfbytes=`$run ./try 1`
    doublenanbytes=`$run ./try 2`
    case "$d_longdbl" in
        $define)
            longdblinfoytes=`$run ./try 3`
            longdblinfoytes=`$run ./try 4`
            ;;
    esac
else
    # Defaults in case the above test program failed.
    case "$doublekind" in
        1) # IEEE 754 32-bit LE
            doubleinfbytes='0x00, 0x00, 0xf0, 0x7f'
            doublenanbytes='0x00, 0x00, 0xf8, 0x7f'
            ;;
        2) # IEEE 754 32-bit BE
            doubleinfbytes='0x7f, 0xf0, 0x00, 0x00'
            doublenanbytes='0x7f, 0xf8, 0x00, 0x00'
            ;;
        3) # IEEE 754 64-bit LE
            doubleinfbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0, 0x7f'
            doublenanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf8, 0x7f'
            ;;
        4) # IEEE 754 64-bit BE
            doubleinfbytes='0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
            doublenanbytes='0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'

```

```

;;
5) # IEEE 754 128-bit LE
   doubleinbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0,
0x7f'
   doublenanbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf8,
0x7f'
   ;;
6) # IEEE 754 128-bit BE
   doubleinbytes='0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
   doublenanbytes='0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
   ;;
7) # IEEE 754 64-bit mixed: 32-bit LEs in BE
   doubleinbytes='0x00, 0x00, 0xf0, 0x7f, 0x00, 0x00, 0x00, 0x00'
   doublenanbytes='0x00, 0x00, 0xf8, 0x7f, 0x00, 0x00, 0x00, 0x00'
   ;;
8) # IEEE 754 64-bit mixed: 32-bit BEs in LE
   doubleinbytes='0x00, 0x00, 0x00, 0x00, 0x7f, 0xf0, 0x00, 0x00'
   doublenanbytes='0x00, 0x00, 0x00, 0x00, 0x7f, 0xf8, 0x00, 0x00'
   ;;
9|10|11|12|13|14) # VAX/Cray/IBM floating point formats, no inf/nan.
   doubleinbytes=$undef
   doublenanbytes=$undef
   ;;
*) # No idea.
   doubleinbytes=$undef
   doublenanbytes=$undef
   ;;
esac
case "$longdblkind" in
1) # IEEE 754 128-bit LE
   longdbl_inbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xff,
0x7f'
   longdbl_nbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x80, 0xff,
0x7f'
   ;;
2) # IEEE 754 128-bit BE
   longdbl_inbytes='0x7f, 0xff, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
   longdbl_nbytes='0x7f, 0xff, 0x80, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
   ;;
3) # IEEE 754 80-bit LE, 12 or 16 bytes (x86)
   case "$longdblsize" in
12) # x86 32-bit (96 bits, or 4 x 32, or 12 x 8)
      longdbl_inbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x80, 0xff, 0x7f, 0x00, 0x00'
      longdbl_nbytes='0x00,

```



```

0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xc0, 0xff, 0x7f, 0x00, 0x00'
;;
16) # x86_64
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x80, 0xff, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xc0, 0xff, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
;;
*) # No idea.
    longdblfnbytes=$undef
    longdblfnbytes=$undef
;;
esac
;;
4) # IEEE 754 80-bit BE, 12 or 16 bytes
case "$longdblsize" in
12) # 32-bit system
    longdblfnbytes='0x7f, 0xff, 0x80, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
    longdblfnbytes='0x7f, 0xff, 0xc0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
;;
16) # 64-bit system
    longdblfnbytes='0x7f, 0xff, 0x80, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblfnbytes='0x7f,
0xff, 0xc0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
;;
*) # No idea.
    longdblfnbytes=$undef
    longdblfnbytes=$undef
;;
esac
;;
5) # 128-bit LE-LE "double double"
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0,
0x7f'
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf8,
0x7f'
;;
6) # 128-bit BE-BE "double double"
    longdblfnbytes='0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblfnbytes='0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
;;
7) # 128-bit LE-BE "double double"
    longdblfnbytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0xf0, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblfnbytes='0x00, 0x00,

```

```

0x00, 0x00, 0x00, 0x00, 0xf8, 0x7f, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00'
;;
8) # 128-bit BE-LE "double double"
    longdblinfoytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x7f, 0xf0, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
    longdblinfoytes='0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x7f, 0xf8, 0x00, 0x00, 0x00, 0x00, 0x00,
0x00'
;;
9|10|11|12|13|14) # VAX/Cray/IBM floating point formats, no inf/nan.
    longdblinfoytes=$undef
    longdblinfoytes=$undef
;;
*) # No idea.
    longdblinfoytes=$undef
    longdblinfoytes=$undef
;;
esac
fi
# In case the program crashed the values are empty, turn them undef.
case "$doubleinfoytes" in
") doubleinfoytes=$undef ;;
esac
case "$doubleinfoytes" in
") doubleinfoytes=$undef ;;
esac
case "$longdblinfoytes" in
") longdblinfoytes=$undef ;;
esac
case "$longdblinfoytes" in
") longdblinfoytes=$undef ;;
esac
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/infnan.U
```

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

```
?RCS: $Id: d_gethbynm.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

?RCS: \$Log: d\_gethbynm.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_gethbyname: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_gethbyname (d\_gethbynm d\_gethstby):  
?S: This variable conditionally defines the HAS\_GETHOSTBYNAME symbol, which  
?S: indicates to the C program that the gethostbyname() routine is available  
?S: to look up host names in some data base or other.  
?S:.  
?C:HAS\_GETHOSTBYNAME (GETHOSTBYNAME):  
?C: This  
symbol, if defined, indicates that the gethostbyname() routine is  
?C: available to look up host names in some data base or other.  
?C:.  
?H:#\$d\_gethbyname HAS\_GETHOSTBYNAME /\*\*/  
?H:.  
?LINT:set d\_gethbyname  
: see if gethostbyname exists  
set gethostbyname d\_gethbyname  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_gethbynm.U

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

?RCS: \$Id: charorder.U,v 3.0.1.1 1994/10/29 16:07:08 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: charorder.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:07:08 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:33 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:chorder\_int chorder\_short chorder\_long: Myread cat Compile rm  
?MAKE: -pick add \$@ %<  
?S:chorder\_short (d\_cos d\_bos):

?S: Holds the value describing the byte ordering of characters in a short.

?S: On a Big-Endian machine, that  
would be "c0c1".

?S:.

?S:chorder\_int (charoder):

?S: Holds the value describing the byte ordering of characters in an int.

?S: For instance, on a Big-Endian machine, this would be: "c0c1c2c3".

?S:.

?S:chorder\_long (d\_col d\_bol):

?S: Holds the value describing the byte ordering of characters in a long.

?S: On a 64 bits Big-Endian machine, that would yield: "c0c1c2c3c4c5c6c7".

?S:.

?C:CHAR\_ORDER\_SHORT:

?C: Holds the byte ordering of characters in a short. It's a string

?C: value like "c0c1" on a Big-Endian machine.

?C:.

?C:CHAR\_ORDER\_INT:

?C: Holds the byte ordering of characters in an int. It's a string

?C: value like "c0c1c2c3" on a Big-Endian machine.

?C:.

?C:CHAR\_ORDER\_LONG:

?C: Holds the byte ordering of characters in a long. It's a string

?C: value like "c0c1c2c3c4c5c6c7" on a 64 bits Big-Endian machine.

?C:.

?H:#define CHAR\_ORDER\_SHORT "\$chorder\_short" /\* byte order in a short \*/

?H:#define CHAR\_ORDER\_INT "\$chorder\_int" /\* byte order in an int \*/

?H:#define CHAR\_ORDER\_LONG "\$chorder\_long"

/\* byte order in a long \*/

?H:.

?F:!byteorder

: check for character ordering

echo " "

echo "Checking out byte order..." >&4

\$cat >byteorder.c <<'EOCP'

#include <stdio.h>

```
int main(argc, argv)
```

```
int argc;
```

```
char *argv[]; {
```

```
int i;
```

```
int max;
```

```
union {
```

```
short u_s;
```

```
int u_i;
```

```
long u_l;
```

```
char u_c[sizeof(long)];
```

```
} u;
```

```
switch (argv[1][0]) {
```

```

case 'l':
u.u_l = 0L;
/* HMS: ASSERT: sizeof(long) < 10. */
for(i = 0; i < sizeof(long); ++i) {
u.u_l *= 0x100L;
u.u_l += (0xc0 + i);
}
max = sizeof(long);
break;
case 's':
u.u_s = 0;
/* HMS: ASSERT: sizeof(short) < 10. */
for(i = 0; i < sizeof(short); ++i) {
u.u_s *= 0x100L;
u.u_s += (0xc0 + i);
}
max = sizeof(short);
break;
case 'i':
u.u_i = 0;
/* RAM: ASSERT: sizeof(int) < 10. */
for(i = 0; i < sizeof(int); ++i) {
u.u_l *= 0x100L;
u.u_l += (0xc0 + i);
}
max = sizeof(int);
break;
default:
max = 0;
break;
}
for(i = 0; i < max; i++) {
printf("%x", u.u_c[i] & 0x00FF);
}
printf("\n");
exit(0);
}
EOCP
set
byteorder
if eval $compile_ok ; then
: null statement
@if chorder_short
chorder_short=`./byteorder s`
@end
@if chorder_int
chorder_int=`./byteorder i`
@end

```

```

@if chorder_long
  chorder_long=`./byteorder l`
@end
else
$cat <<EOM
(I can't seem to get my test program to work. Guessing 32 bits big-endian.)
EOM
  chorder_short="c0c1"
  chorder_int="c0c1c2c3"
  chorder_long="c0c1c2c3"
fi
@if chorder_short
dflt=$chorder_short
rp="What is the order of characters in a short?"
./myread
chorder_short="$ans"
@end
@if chorder_int
dflt=$chorder_int
rp="What is the order of characters in an int?"
./myread
chorder_int="$ans"
@end
@if chorder_long
dflt=$chorder_long
rp="What is the order of characters in a long?"
./myread
chorder_long="$ans"
@end
$rm -f byteorder* core

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/charorder.U
```

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

```
?RCS: $Id: d_euc2jis.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_euc2jis.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:58 ram
```

?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_euc2jis: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_euc2jis:  
?S: This variable conditionally defines the HAS\_EUC2JIS symbol, which  
?S: indicates to the C program that the euc2jis() routine is available  
?S: to convert EUC to JIS.  
?S:.  
?C:HAS\_EUC2JIS:  
?C: This symbol, if defined, indicates that the euc2jis routine is  
?C: available to convert  
EUC to JIS.  
?C:.  
?H:#\$d\_euc2jis HAS\_EUC2JIS /\*\*/  
?H:.  
?LINT:set d\_euc2jis  
: see if euc2jis exists  
set euc2jis d\_euc2jis  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_euc2jis.U

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

?RCS: \$Id: d\_usleep.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_usleep.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:53 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_usleep: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_usleep:  
?S: This variable conditionally defines HAS\_USLEEP if usleep() is  
?S: available to do high granularity sleeps.  
?S:.  
?C:HAS\_USLEEP (USLEEP):  
?C: This symbol, if defined, indicates that the usleep routine is

?C: available to let the process sleep on a sub-second accuracy.

?C:.

?H:#\$d\_usleep

HAS\_USLEEP /\*\*/

?H:.

?LINT:set d\_usleep

: see if usleep exists

set usleep d\_usleep

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_usleep.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_sem.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_sem: test d\_semctl d\_semget d\_semop Setvar Findhdr osname

?MAKE: -pick add \$@ %<

?S:d\_sem:

?S: This variable conditionally defines the HAS\_SEM symbol, which

?S: indicates that the entire sem\*(2) library is present.

?S:.

?C:HAS\_SEM:

?C: This symbol, if defined, indicates that the entire sem\*(2) library is

?C: supported.

?C:.

?H:#\$d\_sem HAS\_SEM /\*\*/

?H:.

?T:h\_sem

?LINT:set d\_sem

:

see how much of the 'sem\*(2)' library is present.

h\_sem=true

echo " "

case "\$d\_semctl\$d\_semget\$d\_semop" in



```

*$undef*) h_sem=false;;
esac
case "$osname" in
freebsd)
  case "`ipcs 2>&1`" in
  "SVID messages"*"not configured"*)
echo "Your $osname does not have the sem*(2) configured." >&4
  h_sem=false
val="$undef"
set semctl d_semctl
eval $setvar
set semget d_semget
eval $setvar
set semop d_semop
eval $setvar
;;
  esac
  ;;
esac
: we could also check for sys/ipc.h ...
if $h_sem && $test `./findhdr sys/sem.h`; then
echo "You have the full sem*(2) library." >&4
val="$define"
else
echo "You don't have the full sem*(2) library." >&4
val="$undef"
fi
set d_sem
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_sem.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: uidtype.U,v \$

?RCS: Revision 3.0.1.3 1994/08/29 16:33:25 ram

?RCS: patch32: now uses new Typedef unit to compute type information

```

?RCS:
?RCS: Revision 3.0.1.2 1994/06/20 07:09:36 ram
?RCS: patch30: comment for uidtype referred to the obsoleted symbol
?RCS:
?RCS: Revision 3.0.1.1 1994/05/13 15:28:27 ram
?RCS: patch27: made conform to its gidtype.U companion
?RCS: patch27: question now explicitly mentions getuid()
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:56 ram
?RCS: Baseline for dist
3.0 netwide release.
?RCS:
?MAKE:uidtype: Myread Typedef Findhdr
?MAKE: -pick add $@ %<
?S:uidtype:
?S: This variable defines Uid_t to be something like uid_t, int,
?S: ushort, or whatever type is used to declare user ids in the kernel.
?S:.
?C:Uid_t (UIDTYPE):
?C: This symbol holds the type used to declare user ids in the kernel.
?C: It can be int, ushort, uid_t, etc... It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Uid_t $uidtype /* UID type */
?H:.
?T:xxx
: see what type uids are declared as in the kernel
set uid_t uidtype xxx stdio.h sys/types.h
eval $typedef
case "$uidtype" in
xxx)
xxx=`./findhdr sys/user.h`
set `grep '_ruid;' "$xxx" 2>/dev/null` unsigned short
case $1 in
unsigned) dflt="$1 $2" ;;
*) dflt="$1" ;;
esac
;;
*) dflt="$uidtype";;
esac
echo " "
rp="What is the type for user ids returned by getuid()?"
./myread
uidtype="$ans"

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/uidtype.U

```

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

```
?RCS: $Id: d_setgrent.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_setgrent.U,v $
?RCS:
?MAKE:d_setgrent: Inlibc
?MAKE: -pick add $@ %<
?S:d_setgrent:
?S: This variable conditionally defines the HAS_SETGRENT symbol, which
?S: indicates to the C program that the setgrent() routine is available
?S: for initializing sequential access to the group database.
?S:.
?C:HAS_SETGRENT:
?C: This symbol, if defined, indicates that the setgrent routine is
?C: available for initializing sequential access of the group database.
?C:.
?H:#$d_setgrent HAS_SETGRENT /**/
?H:.
?LINT:set d_setgrent
: see if setgrent exists
set setgrent d_setgrent
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_setgrent.U
```

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

```
?RCS: $Id: i_sysmount.U,v $
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sysmount: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_sysmount:
?S: This variable conditionally defines the I_SYSMOUNT symbol,
?S: and indicates whether a C program should include <sys/mount.h>.
?S:.
?C:I_SYS_MOUNT:
```

?C: This symbol, if defined, indicates that <sys/mount.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysmount I\_SYS\_MOUNT /\*\*/

?H:.

?LINT:set i\_sysmount

: see if this is a sys/mount.h system

set sys/mount.h i\_sysmount

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysmount.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fsync: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fsync:

?S: This variable conditionally defines the HAS\_FSYNC symbol, which

?S: indicates to the C program that the fsync() routine is available.

?S:.

?C:HAS\_FSYNC:

?C: This symbol, if defined, indicates that the fsync routine is

?C: available to write a file's modified data and attributes to

?C: permanent storage.

?C:.

?H:#\$d\_fsync HAS\_FSYNC /\*\*/

?H:.

?LINT:set d\_fsync

: see if fsync exists

set fsync d\_fsync

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fsync.U

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

?RCS: \$Id: libc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: libc.U,v \$  
?RCS: Revision 3.0.1.10 1997/02/28 15:56:48 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS: patch61: added support for HPUX-10 nm output  
?RCS:  
?RCS: Revision 3.0.1.9 1995/07/25 14:11:56 ram  
?RCS: patch56: now knows about OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.8 1995/05/12 12:20:47 ram  
?RCS: patch54: made sure only most recent version of shared lib is picked  
?RCS: patch54: final "nm -p" check now uses xscan and xrun  
like everybody  
?RCS: patch54: can now grok Linux nm output with lead \_\_IO (ADO)  
?RCS: patch54: added support for Linux ELF output, using 'W' for alias (ADO)  
?RCS:  
?RCS: Revision 3.0.1.7 1994/10/29 16:23:40 ram  
?RCS: patch36: now looks for shared libraries before anything else (ADO)  
?RCS: patch36: added new nm output format (ADO)  
?RCS:  
?RCS: Revision 3.0.1.6 1994/08/29 16:28:10 ram  
?RCS: patch32: added I-type symbols for nm output parsing on Linux  
?RCS:  
?RCS: Revision 3.0.1.5 1994/06/20 07:03:24 ram  
?RCS: patch30: checks are now presented by succession of if/elif  
?RCS: patch30: uniformized checks for shared objects with new so symbol  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/06 15:06:33 ram  
?RCS: patch23: added shared library knowledge (ADO and WED)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/01/24 14:12:17 ram  
?RCS: patch16: can now export nm\_extract as an internal-use only variable  
?RCS:  
?RCS: Revision 3.0.1.2 1993/09/13 16:09:03 ram  
?RCS: patch10: added special handling for Apollo  
systems (WAD)  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/27 14:40:03 ram  
?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:57 ram  
?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?MAKE:libc +nm_extract: echo n c rm test grep Getfile Myread Oldconfig Loc \
sed libs incpath libpth ar runnm nm nm_opt nm_so_opt contains xlibpth \
so _a _o osname trnl tr sort uniq sysroot
?MAKE: -pick add $@ %<
?S:libc:
?S: This variable contains the location of the C library.
?S:.
?S:nm_extract:
?S: This variable holds the name of the extraction command used to process
?S: the output of nm and yield the list of defined symbols. It is used
?S: internally by Configure.
?S:.
?T:thislib try libnames xxx xscan xrun thisname com tans file
?F:!libnames !libc.tmp !tmp.imp
?LINT:extern PASE
?LINT:extern libnames
?LINT:change nm_opt
?INIT:libnames=""
: Figure out where the libc is located
case "$runnm" in
true)
?X: indentation is wrong on purpose--RAM
:
get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
case "$libs" in
*-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
esac
;;
esac
case "$libs" in
") ;;
*) for thislib in $libs; do
case "$thislib" in
-lc|-lc_s)
: Handle C library specially below.
;;
-l*)
thislib=`echo $thislib | $sed -e 's/^-l//`
if try=`./loc lib$thislib.$so.*' X $libpth`; $test -f "$try"; then
:
elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
:
elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
:

```

```

elif try=`./loc $thislib$_a X $libpth`; $test -f "$stry"; then
:
elif try=`./loc lib$thislib X $libpth`; $test -f "$stry"; then
:
elif try=`./loc $thislib X $libpth`; $test -f "$stry"; then
:
elif try=`./loc $lib$thislib$_a X $xlibpth`; $test -f "$stry"; then
:
else
  try="
fi
libnames="$libnames $stry"
;;
*) libnames="$libnames $thislib" ;;
esac
done
;;
esac

```

?X:

?X: Some systems (e.g. DG/UX) use

"environmental" links, which make the test

?X: -f fail. Ditto for symbolic links. So in order to reliably check the

?X: existence of a file, we use test -r. It will still fail with DG/UX links

?X: though, but at least it will detect symbolic links. At some strategic

?X: points, we make use of (test -h), using a sub-shell in case builtin test

?X: does not implement the -h check for symbolic links. This makes it

?X: possible to preset libc in a hint file for instance and have it show up

?X: as-is in the question.

?X:

xxx=normal

case "\$libc" in

unknown)

?X:

?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,

?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest

?X: up-to-date library. The initial filename (before sed munging, saved in hold

?X: space via 'h') is appended via 'G' before sorting, then the leading munged

?X: part is removed after sorting. Nice efficient work from Tye McQueen.

?X: The initial blurfl is here to prevent the trailing

pipe from producing an

?X: empty string, causing Configure to output all its set variables!

?X:

```
set /lib/libc.$so
```

```
for xxx in $libpth; do
```

```
$test -r $1 || set $xxx/libc.$so
```

: The messy sed command sorts on library version numbers.

```
$test -r $1 || \
```

```
set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
```

```

tr '' $trnl | egrep -v \.[A-Za-z]*$' | $sed -e '
h
s/[0-9][0-9]*0000&/g
s/0*\([0-9][0-9][0-9][0-9]\)^1/g
G
s^n/' '\
$sort | $sed -e 's/^.*/'^
eval set \$$#
done
$test -r $1 || set $sysroot/usr/ccs/lib/libc.$so
$test -r $1 || set $sysroot/lib/libsys_s$_a
;;
*)
?X: ensure the test below for the (shared) C library will fail
set blurfl
;;
esac
if $test -r "$1"; then
echo "Your (shared) C library seems to be in $1."
libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
echo "Your C library seems to be in both /lib/clib
and /lib/libc."
xxx=apollo
libc='/lib/clib /lib/libc'
if $test -r /lib/syslib; then
echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
libc="$libc /lib/syslib"
fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
libc=$incpath/usr/lib/libc$_a;
echo "Your C library seems to be in $libc. That's fine."
elif $test -r /lib/libc$_a; then
libc=/lib/libc$_a;
echo "Your C library seems to be in $libc. You're normal."
else
if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$stans"; then
:
elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$stans"; then
libnames="$libnames "`./loc clib blurfl/dyick $libpth`

```



```

elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$stans"; then
:
elif tans=`./loc Slibc$_a blurfl/dyick $xlibpth`; $test -r "$stans"; then
:
elif tans=`./loc
Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$stans"; then
:
else
tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
fi
if $test -r "$stans"; then
echo "Your C library seems to be in $stans, of all places."
libc=$stans
else
libc='blurfl'
fi
fi
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
dflt="$libc"
cat <<EOM

```

If the guess above is wrong (which it might be if you're using a strange compiler, or your machine supports multiple models), you can override it here.

```

EOM
else
dflt="
echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
cat >&4 <<EOM

```

I can't seem to find your C library. I've looked in the following places:

```

EOM
$sed 's/^/ /' libpath
cat <<EOM

```

None of these seems to contain your C library. I need to get its name...

```

EOM
fi
fn=f
rp='Where is your C library?'
./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift

```

```

xxx=files
case $# in 1) xxx=file; esac
echo
"Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4

?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
case $file in
*$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
*) $nm $nm_opt $file 2>/dev/null;;
esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval "<libc.tmp $com >libc.list"; echo "done." >&4'
?X:
BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HP-UX 10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output. (AD).
?X: GNU extension: i is "indirect function"
xxx='[ADTSIW]'
if com="$sed -n -e 's/__IO//' -e 's/^. *$xxx */p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/___ *//' -e 's/^\([a-zA-Z_0-9$]*\).*xtern.*\1/p';\
eval $xscan;\

```

```

$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^.*_//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^. * D __*//p' -e 's/^. * D //p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^_/ ' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*\1/p';\
eval $xscan;\
$contains '^fprintf$'
libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^. *|FUNC |GLOB .*//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$grep '|' | $sed -n -e '/|COMMON/d' -e '/|DATA/d' \
-e '/file/d' -e 's/^\([ ^ ]*\).*\1/p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^. *|FUNC |GLOB .*//p' -e 's/^. *|FUNC |WEAK .*//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^__/' -e '/|Undef/d' -e '/|Proc/s/ .*//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/^. *|Proc .*|Text *| .*//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e '/Def. Text/s/. * \([ ^ ]*\)\$/\1/p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
?X: OS/2
nm output
elif com="$sed -n -e 's/^\[-0-9a-f ]*_\.(.*)=.*\1/p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
  eval $xrun
elif com="$sed -n -e 's/.*\.text n\ \ \ \.//p';\

```

```

eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
?X: AIX nm output
elif com="sed -n -e 's/^__.*//' -e 's/[    ]*D[    ]*[0-9]*.*//p';\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
    eval $xrun
else
$nm -p $* 2>/dev/null >libc.tmp
$grep fprintf libc.tmp > libc.ptf
if com="$sed -n -e 's/^.* [ADTSIW] *[_.]*/p' -e 's/^.* [ADTSIW] //p';\
eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
then
    nm_opt='-p'
    eval $xrun
else
    echo " "
    echo "$nm didn't seem to work right. Trying $ar instead..." >&4
    com="
if $ar t $libc > libc.tmp && \
    $contains '^fprintf$' libc.tmp >/dev/null 2>&1
then
    for thisname in $libnames $libc; do
        $ar t $thisname >>libc.tmp
    done
    $sed -e "s/\$_o\$/" < libc.tmp > libc.list
    echo
    "Ok." >&4
    elif test "X$osname" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
    for thisname in $libnames $libc; do
        $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries. Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
        2>/dev/null && \
        $sed -e 's/^([_a-zA-Z0-9]*) .*$/1/p' \
        < tmp.imp >>libc.tmp
    $rm -f tmp.imp
done
    $sed -e "s/\$_o\$/" -e 's/^ \+//' < libc.tmp > libc.list
    echo "Ok." >&4
else
    echo "$ar didn't seem to work right." >&4
    echo "Maybe this is a Cray...trying bld instead..." >&4
    if bld t $libc | \
        $sed -e 's/.*/p' -e "s/\$_o:.*$/" > libc.list &&

```

```

$test -s libc.list
then
for thisname in $libnames; do
  bld t $libnames | \
  $sed -e 's/.*\///' -e "s/\$_o:.*\///" >>libc.list
  $ar t $thisname >>libc.tmp
done
echo "Ok." >&4
else
echo
"That didn't work either. Giving up." >&4
  exit 1
fi
fi
fi
fi
nm_extract="$com"
case "$PASE" in
define)
  echo " "
  echo "Since you are compiling for PASE, extracting more symbols from libc.a ..." >&4
  dump -Tv /lib/libc.a | awk ' $7 == "/unix" {print $5 " " $8}' | grep "^SV" | awk '{print $2}' >> libc.list
  ;;
*) if $test -f /lib/syscalls.exp; then
  echo " "
  echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
  $sed -n 's/^\([^\ ]*\)[^\ ]*syscall[0-9]*[^\ ]*$/1/p' \
  /lib/syscalls.exp >>libc.list
  fi
  ;;
esac
;;
esac
$rm -f libnames libpath

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/libc.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: cpp\_stuff.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:30:48 ram  
?RCS: patch61: added cute quoting trick for wild stringify support  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:08:24 ram  
?RCS: patch36: now uses cppstdin instead of plain cpp for consistency (ADO)  
?RCS: patch36: remove temporary files when done  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:36 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:cpp\_stuff cpp\_quote: cat contains cppstdin cppflags cppminus rm Warn \  
package  
?MAKE: -pick  
add \$@ %<  
?S:cpp\_stuff:  
?S: This variable contains an identification of the catenation mechanism  
?S: used by the C preprocessor.  
?S:.  
?S:cpp\_quote:  
?S: This variable is set to either "" or " depending on whether the  
?S: pre-processor pre-dates ANSI or not. It is used in the production of  
?S: the SQuoTe() and EQuoTe() macros, and was introduced to overcome a bug  
?S: in gcc 3.x whereby the pre-processor complained loudly about the  
?S: unterminated strings.  
?S:.  
?C:CAT2:  
?C: This macro catenates 2 tokens together.  
?C:.  
?C:CAT3:  
?C: This macro catenates 3 tokens together.  
?C:.  
?C:CAT4:  
?C: This macro catenates 4 tokens together.  
?C:.  
?C:CAT5:  
?C: This macro catenates 5 tokens together.  
?C:.  
?C:STRINGIFY:  
?C: This macro surrounds its token with double quotes.  
?C:.  
?C:SCAT2:  
?C: This macro catenates 2 tokens together and stringifies the result.  
?C:.  
?C:SCAT3:  
?C: This macro catenates 3 tokens together and stringifies the result.

```

?C:.
?C:SCAT4:
?C: This macro catenates 4 tokens
together and stringifies the result.
?C:.
?C:SCAT5:
?C: This macro catenates 5 tokens together and stringifies the result.
?C:.
?H:%<:#if $cpp_stuff == 1
?H:?CAT2:#define CAT2(a,b)a/**/b
?H:?CAT3:#define CAT3(a,b,c)a/**/b/**/c
?H:?CAT4:#define CAT4(a,b,c,d)a/**/b/**/c/**/d
?H:?CAT5:#define CAT5(a,b,c,d,e)a/**/b/**/c/**/d/**/e
?H:?STRINGIFY:#define STRINGIFY(a)"a"
?H:%<:#define SQuote(a){cpp_quote}a
?H:%<:#define EQuote(a)a${cpp_quote}
?H:?SCAT2:#define SCAT2(a,b)EQuote(SQuote(a)b)
?H:?SCAT3:#define SCAT3(a,b,c)EQuote(SQuote(a)b/**/c)
?H:?SCAT4:#define SCAT4(a,b,c,d)EQuote(SQuote(a)b/**/c/**/d)
?H:?SCAT5:#define SCAT5(a,b,c,d,e)EQuote(SQuote(a)b/**/c/**/d/**/e)
?H:%<:#endif
?H:%<:#if $cpp_stuff == 42
?X: The additional level of indirection enables these macros to be
?X: used as arguments to other macros. See K&R 2nd ed., page 231.
?H:%<:#define CaTiFy(a,b) a ## b
?H:%<:#define CAT2(a,b) CaTiFy(a,b)
?H:?CAT3:#define CAT3(a,b,c) CAT2(CaTiFy(a,b),c)
?H:?CAT4:#define CAT4(a,b,c,d)
CAT2(CaTiFy(a,b), CaTiFy(c,d))
?H:?CAT5:#define CAT5(a,b,c,d,e) CAT2(CAT2(CaTiFy(a,b), CaTiFy(c,d)), e)
?H:%<:#define StGiFy(a)# a
?H:?STRINGIFY:#define STRINGIFY(a)StGiFy(a)
?H:?SCAT2:#define SCAT2(a,b)StGiFy(a) StGiFy(b)
?H:?SCAT3:#define SCAT3(a,b,c)StGiFy(a) StGiFy(b) StGiFy(c)
?H:?SCAT4:#define SCAT4(a,b,c,d)StGiFy(a) StGiFy(b) StGiFy(c) StGiFy(d)
?H:?SCAT5:#define SCAT5(a,b,c,d,e)StGiFy(a) StGiFy(b) StGiFy(c) StGiFy(d) StGiFy(e)
?H:%<:#endif
?H:%<:#if $cpp_stuff != 1 && $cpp_stuff != 42
?H:%<:#include "Bleth: How does this C preprocessor concatenate tokens?"
?H:%<:#endif
?H:.
?W:%<:CAT2 CAT3 CAT4 CAT5 STRINGIFY SCAT2 SCAT3 SCAT4 SCAT5
?F:!cpp_stuff.c
?LINT:known StGiFy EQuote SQuote CaTiFy
: how do we concatenate cpp tokens here?
echo " "
echo "Checking to see how your cpp does stuff like concatenate tokens..." >&4
cpp_quote="

```

```

$cat >cpp_stuff.c <<'EOCP'
#define RCAT(a,b)a/**/b
#define ACAT(a,b)a ## b
RCAT(Rei,ser)
ACAT(Cir,cus)
EOCP
$cppstdin $cppflags $cppminus <cpp_stuff.c >cpp_stuff.out
2>&1
if $contains 'Circus' cpp_stuff.out >/dev/null 2>&1; then
echo "Oh! Smells like ANSI's been here."
echo "We can catify or stringify, separately or together!"
cpp_stuff=42
elif $contains 'Reiser' cpp_stuff.out >/dev/null 2>&1; then
echo "Ah, yes! The good old days!"
cpp_stuff=1
$cat >cpp_stuff.c <<'EOCP'
#define SQuoTe(a)"a
#define EQuoTe(a)a"
#define CAT2(a,b)EQuoTe(SQuoTe(a)b)
CAT2(Vic,tory)
EOCP
$cppstdin $cppflags $cppminus <cpp_stuff.c >cpp_stuff.out 2>&1
if $contains "'Victory'" cpp_stuff.out >/dev/null 2>&1; then
echo "I'll resort to a cute trick to also be able to stringify."
cpp_quote=""
else
$cat <<EOM
However, in the good old days we don't know how to stringify and
catify at the same time...
@if SCAT2 || SCAT3 || SCAT4 || SCAT5
You might have to edit the values of the SCAT[2-5] macros in config.h...
@else
Hopefully, $package does not need this feature.
@end
EOM
fi
else
./warn <<EOM
I can't seem to be able to catenate tokens with your cpp.
@if
CAT2 || CAT3 || CAT4 || CAT5 || SCAT2 || SCAT3 || SCAT4 || SCAT5
You're going to have to edit the values of the following
macros in config.h:

@if CAT2 || CAT3 || CAT4 || CAT5
CAT[2-5]
@end
@if SCAT2 || SCAT3 || SCAT4 || SCAT5

```



SCAT[2-5]

@end

in order to let me compile.

@end

EOM

```
cpp_stuff="/* Help! How do we handle cpp_stuff? */*/"
```

```
fi
```

```
$rm -f cpp_stuff.*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cpp_stuff.U
```

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

?RCS: \$Id: d\_endpwent.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_endpwent.U,v \$

?RCS:

?MAKE:d\_endpwent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_endpwent:

?S: This variable conditionally defines the HAS\_ENDPWENT symbol, which

?S: indicates to the C program that the endpwent() routine is available

?S: for sequential access of the passwd database.

?S:.

?C:HAS\_ENDPWENT:

?C: This symbol, if defined, indicates that the getgrent routine is

?C: available for finalizing sequential access of the passwd database.

?C:.

?H:#\$d\_endpwent HAS\_ENDPWENT /\*\*/

?H:.

?LINT:set d\_endpwent

: see if endpwent exists

set endpwent d\_endpwent

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endpwent.U
```

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

?RCS: \$Id: d\_group.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_group.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:34:52 ram  
?RCS: patch61: useless unit dropped.  
?RCS:  
?RCS: Revision 3.0.1.1 1994/08/29 16:07:48 ram  
?RCS: patch32: created by ADO  
?RCS:  
?X:  
?X: Useless unit dropped.  
?X:  
?LINT:empty

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_group.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_setproctitle: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setproctitle:  
?S: This variable conditionally defines the HAS\_SETPROCTITLE symbol,  
?S: which indicates to the C program that the setproctitle() routine  
?S: is available.  
?S:.  
?C:HAS\_SETPROCTITLE:  
?C: This symbol, if defined, indicates that the setproctitle routine is  
?C: available to set process title.  
?C:.  
?H:#\$d\_setproctitle HAS\_SETPROCTITLE /\*\*/  
?H:.

```
?LINT:set d_setproctitle
: see if setproctitle exists
set setproctitle d_setproctitle
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_setproctitle.U
```

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

```
?RCS: $Id: Chk_whoami.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Chk_whoami.U,v $
?RCS: Revision 3.0 1993/08/18 12:04:46 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit makes sure we don't try to include whoami.h if uname() exists.
?X:
?MAKE:Chk_whoami: d_uname i_whoami
?MAKE: -pick add $@ %<
?LINT:change i_whoami
: weed out incompatibilities
case "$d_uname" in
"$define") i_whoami="$undef" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Chk_whoami.U
```

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

```
?RCS: $Id: i_stddef.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_stddef.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:27 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_stddef: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_stddef:  
?S: This variable conditionally defines the I\_STDDEF symbol, which  
?S: indicates to the C program that <stddef.h> exists and should  
?S: be included.  
?S:.  
?C:I\_STDDEF:  
?C: This symbol, if defined, indicates that <stddef.h> exists and should  
?C: be included.  
?C:.  
?H:#\$i\_stddef I\_STDDEF /\*\*/  
?H:.  
?LINT:set  
i\_stddef  
: see if stddef is available  
set stddef.h i\_stddef  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_stddef.U

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

?RCS: \$Id: scriptdir.U,v 3.1 1999/07/09 18:20:13 doughera Exp doughera \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: scriptdir.U,v \$  
?RCS: Revision 3.1 1999/07/09 18:20:13 doughera  
?RCS: Updated for installprefix  
?RCS:  
?RCS: Revision 3.0.1.3 1995/09/25 09:17:15 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.2 1995/01/30 14:46:13 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:32:04 ram

?RCS: patch32: now uses installation prefix

?RCS:

?RCS:

Revision 3.0 1993/08/18 12:09:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:scriptdir scriptdirexp installscript: cat test Getfile Loc \

Oldconfig +bin Prefixit Setprefixvar prefixexp Prefixup

?MAKE: -pick add \$@ %<

?Y:TOP

?D:scriptdir="

?S:scriptdir:

?S: This variable holds the name of the directory in which the user wants

?S: to put publicly scripts for the package in question. It is either

?S: the same directory as for binaries, or a special one that can be

?S: mounted across different architectures, like /usr/share. Programs

?S: must be prepared to deal with ~name expansion.

?S:.

?D:scriptdirexp="

?S:scriptdirexp:

?S: This variable is the same as scriptdir, but is filename expanded

?S: at configuration time, for programs not wanting to bother with it.

?S:.

?S:installscript:

?S: This variable is usually the same as scriptdirexp, unless you are on

?S: a system running AFS, in which case they may differ slightly. You

?S: should always use this variable

within your makefiles for portability.

?S:.

?C:SCRIPTDIR:

?C: This symbol holds the name of the directory in which the user wants

?C: to put publicly executable scripts for the package in question. It

?C: is often a directory that is mounted across diverse architectures.

?C: Programs must be prepared to deal with ~name expansion.

?C:.

?C:SCRIPTDIR\_EXP:

?C: This is the same as SCRIPTDIR, but is filename expanded at

?C: configuration time, for use in programs not prepared to do

?C: ~name substitutions at run-time.

?C:.

?H:#define SCRIPTDIR "\$scriptdir" /\*\*/

?H:#define SCRIPTDIR\_EXP "\$scriptdirexp" /\*\*/

?H:.

?T:installscriptdir

?LINT:change prefixvar

```

?LINT:set scriptdir
?LINT:set scriptdirexp
: determine where public executable scripts go
set scriptdir scriptdir
eval $prefixit
case "$scriptdir" in
")
dflt="$bin"
: guess some guesses
$test -d /usr/share/scripts && dflt=/usr/share/scripts
$test -d /usr/share/bin && dflt=/usr/share/bin
$test -d /usr/local/script && dflt=/usr/local/script
$test
-d /usr/local/scripts && dflt=/usr/local/scripts
$test -d $prefixexp/script && dflt=$prefixexp/script
set dflt
eval $prefixup
;;
*) dflt="$scriptdir"
;;
esac
$cat <<EOM

```

Some installations have a separate directory just for executable scripts so that they can mount it across multiple architectures but keep the scripts in one spot. You might, for example, have a subdirectory of /usr/share for this. Or you might just lump your scripts in with all your other executables.

```

EOM
fn=d~
rp='Where do you keep publicly executable scripts?'
./getfile
if $test "X$ansexp" != "X$scriptdirexp"; then
installscript="
fi
installscriptdir="
prefixvar=scriptdir
./setprefixvar
: A little fix up for an irregularly named variable.
installscript="$installscriptdir"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/scriptdir.U

```

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

```

?RCS: $Id: pkgsrc.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:pkgsrc: src rsrc

?MAKE: -pick add \$@ %<

?S:pkgsrc:

?S: This variable holds the absolute path of the package source.

?S:.

?C:PACKAGE\_SOURCE\_DIR:

?C: Holds the directory name holding the package source.

?C:.

?H:#define PACKAGE\_SOURCE\_DIR "\$pkgsrc"

?H:.

: define absolute package source directory

case "\$src" in

/\*) pkgsrc=\$src;;

\*) pkgsrc=`cd \$rsrc; pwd`;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/pkgsrc.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_memmem: Hasproto Inlibc Setvar d\_gnulibc

?MAKE: -pick add \$@ %<

?S:d\_memmem:

?S: This variable conditionally defines the HAS\_MEMMEM symbol, which

?S: indicates to the C program that the memmem() routine is available

?S: to return a pointer to the start of the first occurrence of a

?S: substring in a memory area (or NULL if not found).

?S:.

?C:HAS\_MEMMEM:

?C: This symbol, if defined, indicates that the memmem routine is

?C: available to return a pointer to the start of the first occurrence

?C: of a substring in a memory area (or NULL if not found).

?C: In glibc, memmem is a GNU extension. The function is visible in

?C: libc, but the prototype is only visible if \_GNU\_SOURCE is #defined.

?C: Thus we only define this if both the prototype and symbol are found.

?C:.

```

?H:#$d_memmem
HAS_MEMMEM /**/
?H:
?T:d_memmem_proto xx1 xx2 xx3 xx4
?LINT:set d_memmem
: see if memmem exists
: We need both a prototype in string.h and the symbol in libc.
echo " "
d_memmem_proto="
xx1="#$d_gnulibc HAS_GNULIBC"
xx2='#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)'
xx3='# define _GNU_SOURCE'
xx4='#endif'
set d_memmem_proto memmem literal "$xx1" literal "$xx2" literal "$xx3" literal "$xx4" define string.h
eval $hasproto
case "$d_memmem_proto" in
  define) # see if memmem exists
    set memmem d_memmem
    eval $inlibc
    ;;
  *) val=$undef
    set d_memmem
    eval $setvar
    ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_memmem.U

```

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

```

?RCS: $Id: d_difftime.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_difftime.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:07:31 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_difftime: Inlibc

```



?MAKE: -pick add \$@ %<

?S:d\_difftime:

?S: This variable conditionally defines the HAS\_DIFFTIME symbol, which

?S: indicates to the C program that the difftime() routine is available.

?S:.

?C:HAS\_DIFFTIME :

?C: This symbol, if defined, indicates that  
the difftime routine is

?C: available.

?C:.

?H:#\$d\_difftime HAS\_DIFFTIME /\*\*/

?H:.

?LINT:set d\_difftime

: see if difftime exists

set difftime d\_difftime

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_difftime.U

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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fmax: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fmax:

?S: This variable conditionally defines the HAS\_FMAX symbol, which

?S: indicates to the C program that the fmax() routine is available.

?S:.

?C:HAS\_FMAX:

?C: This symbol, if defined, indicates that the fmax routine is

?C: available to do the maximum function.

?C:.

?H:#\$d\_fmax HAS\_FMAX /\*\*/

?H:.

?LINT:set d\_fmax

: see if fmax exists

set fmax d\_fmax

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fmax.U

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

?RCS: \$Id: d\_htonl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_htonl.U,v \$  
?RCS: Revision 3.0.1.2 1994/08/29 16:09:25 ram  
?RCS: patch32: now properly handles htonl() and friends when macros (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 14:45:00 ram  
?RCS: patch23: now also check for htonl() macro (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:22 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_htonl: Inlibc Setvar i\_niin i\_sysin i\_arpainet cat rm contains \  
cppstdin cppflags cppminus  
?MAKE: -pick  
add \$@ %<  
?S:d\_htonl:  
?S: This variable conditionally defines HAS\_HTONL if htonl() and its  
?S: friends are available to do network order byte swapping.  
?S:.  
?C:HAS\_HTONL (HTONL):  
?C: This symbol, if defined, indicates that the htonl() routine (and  
?C: friends htons() ntohl() ntohs()) are available to do network  
?C: order byte swapping.  
?C:.  
?C:HAS\_HTONS (HTONS):  
?C: This symbol, if defined, indicates that the htons() routine (and  
?C: friends htonl() ntohl() ntohs()) are available to do network  
?C: order byte swapping.  
?C:.  
?C:HAS\_NTOHL (NTOHL):  
?C: This symbol, if defined, indicates that the ntohl() routine (and  
?C: friends htonl() htons() ntohs()) are available to do network  
?C: order byte swapping.  
?C:.  
?C:HAS\_NTOHS (NTOHS):  
?C: This symbol, if defined, indicates that the ntohs() routine (and  
?C: friends htonl() htons() ntohl()) are available to do network  
?C: order byte swapping.  
?C:.  
?H:#\$d\_htonl HAS\_HTONL /\*\*/

```
?H:#$d_htonl HAS_HTONS /**/  
?H:#$d_htonl HAS_NTOHL /**/  
?H:#$d_htonl  
HAS_NTOHS /**/  
?H:  
?F:!htonl.c  
?LINT:set d_htonl  
: see if htonl --and friends-- exists  
val="  
set htonl val  
eval $inlibc
```

: Maybe they are macros.

```
case "$val" in  
$undef)  
$cat >htonl.c <<EOM  
#include <stdio.h>  
#include <sys/types.h>  
#$i_niin I_NETINET_IN  
#$i_sysin I_SYS_IN  
#$i_arpainet I_ARPA_INET  
#ifdef I_NETINET_IN  
#include <netinet/in.h>  
#endif  
#ifdef I_SYS_IN  
#include <sys/in.h>  
#endif  
#ifdef I_ARPA_INET  
#include <arpa/inet.h>  
#endif  
#ifdef htonl  
printf("Defined as a macro.");  
#endif  
EOM  
$cppstdin $cppflags $cppminus < htonl.c >htonl.E 2>/dev/null  
if $contains 'Defined as a macro' htonl.E >/dev/null 2>&1; then  
val="$define"  
echo "But it seems to be defined as a macro." >&4  
fi  
$rm -f htonl.?  
;;  
esac  
set d_htonl  
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/modified/d_htonl.U
```

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

```
?RCS: $Id: libflex.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libflex.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:57:48 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.2 1994/05/06 15:07:02 ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1 1994/01/24 14:13:25 ram
?RCS: patch16: un-obsolete this unit to allow smooth lex/flex compilations
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:59 ram
?RCS: Baseline for dist 3.0 netwide
release.
?RCS:
?MAKE:libflex: Loc lex libpth _a
?MAKE: -pick add $@ %<
?S:libflex:
?S: This variable contains the argument to pass to the loader in order
?S: to get the flex/lex library routines. If there is no flex or flex
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -lfl
echo " "
case "$lex" in
*flex)
xxx=`./loc libfl$_a x $libpth`
case "$xxx" in
x)
echo "No flex library found.">&4
libflex="
;;
*)
echo "flex library found in $xxx.">&4
libflex="$xxx"
;;
```

```

esac
;;
*lex)
xxx=`./loc libl$_a x $libpth`
case "$xxx" in
x)
echo "No lex library found." >&4
libflex="
;;
*)
echo "lex library found in $xxx." >&4
libflex="$xxx"
;;
esac
;;
*)
echo "You don't seem to have lex or flex, so I won't look for libraries." >&4
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libflex.U
```

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

```

?RCS: $Id: d_chown.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_chown.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:07:14 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_chown: Inlibc
?MAKE:-pick add $@ %<
?S:d_chown:
?S: This variable conditionally defines the HAS_CHOWN symbol, which
?S: indicates to the C program that the chown() routine is available.
?S:.
?C:HAS_CHOWN :

```

?C: This symbol, if defined, indicates that the chown routine is

?C: available.

?C:.

?H:#\$d\_chown

HAS\_CHOWN /\*\*/

?H:.

?LINT:set d\_chown

: see if chown exists

set chown d\_chown

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_chown.U

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

?RCS: \$Id: d\_getpwent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getpwent\_r getpwent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_pwd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getpwent\_r:

?S: This variable conditionally defines the HAS\_GETPWENT\_R symbol,

?S: which indicates to the C program that the getpwent\_r()

?S: routine is available.

?S:.

?S:getpwent\_r\_proto:

?S: This variable encodes the prototype of getpwent\_r.

?S: It is zero if d\_getpwent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwent\_r

?S: is defined.

?S:.

?C:HAS\_GETPWENT\_R:

?C: This symbol, if defined, indicates that the getpwent\_r routine

?C: is available to

getpwent re-entrantly.

?C:.

?C:GETPWENT\_R\_PROTO:

?C: This symbol encodes the prototype of getpwent\_r.

?C: It is zero if d\_getpwent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwent\_r

?C: is defined.

```

?C:.
?H:#$d_getpwent_r HAS_GETPWENT_R /**/
?H:#define GETPWENT_R_PROTO $getpwent_r_proto /**/
?H:.
?T:try hdrs d_getpwent_r_proto
: see if getpwent_r exists
set getpwent_r d_getpwent_r
eval $inlibc
case "$d_getpwent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_pwd pwd.h"
case "$d_getpwent_r_proto:$usetthreads" in
":define") d_getpwent_r_proto=define
set d_getpwent_r_proto getpwent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getpwent_r_proto" in
define)
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, size_t, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=I_SBWR ;;
esac
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, int, struct passwd**);'
./protochk
"$extern_C $try" $hdrs && getpwent_r_proto=I_SBIR ;;
esac
case "$getpwent_r_proto" in
"|0) try='struct passwd* getpwent_r(struct passwd*, char*, size_t);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=S_SBW ;;
esac
case "$getpwent_r_proto" in
"|0) try='struct passwd* getpwent_r(struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=S_SBI ;;
esac
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=I_SBI ;;
esac
case "$getpwent_r_proto" in
"|0) try='int getpwent_r(struct passwd*, char*, int, FILE**);'
./protochk "$extern_C $try" $hdrs && getpwent_r_proto=I_SBIH ;;
esac
case "$getpwent_r_proto" in
"|0) d_getpwent_r=undef
getpwent_r_proto=0
echo "Disabling getpwent_r, cannot determine prototype." >&4 ;;

```

```

*) case "$getpwent_r_proto" in
REENTRANT_PROTO*) ;;
*) getpwent_r_proto="REENTRANT_PROTO_$getpwent_r_proto" ;;
esac
echo
"Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getpwent_r has no prototype, not using it." >&4 ;;
esac
d_getpwent_r=undef
getpwent_r_proto=0
;;
esac
;;
*) getpwent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getpwent_r.U

```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_sysun.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:42 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit looks wether <inttypes.h> is available or not

?X:

?MAKE:i\_inttypes: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_inttypes:

?S: This variable conditionally defines I\_INTTYPES, which indicates

?S: to the C program that it should include <inttypes.h> to get

?S: format conversions of integer types.



?S:  
?C:I\_INTTYPES:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include  
<inttypes.h> to get format conversions of integer types.  
?C:.  
?H:#\$i\_inttypes I\_INTTYPES /\*\*/  
?H:.  
?LINT:set i\_inttypes  
: see if this is a inttypes.h system  
set inttypes.h i\_inttypes  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_inttypes.U

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

?RCS: \$Id: d\_munmap.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_munmap.U,v \$  
?RCS: Revision 3.0.1.1 1993/12/15 08:19:22 ram  
?RCS: patch15: created  
?RCS:  
?MAKE:d\_munmap: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_munmap:  
?S: This variable conditionally defines HAS\_MUNMAP if munmap() is  
?S: available to unmap a region mapped by mmap().  
?S:.  
?C:HAS\_MUNMAP:  
?C: This symbol, if defined, indicates that the munmap system call is  
?C: available to unmap a region, usually mapped by mmap().  
?C:.  
?H:#\$d\_munmap HAS\_MUNMAP /\*\*/  
?H:.  
?LINT:set  
d\_munmap  
: see if munmap exists  
set munmap d\_munmap

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_munmap.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fdclose: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fdclose:

?S: This variable conditionally defines the HAS\_FDCLOSE symbol, which

?S: indicates to the C program that the fdclose() routine is available.

?S:.

?C:HAS\_FDCLOSE:

?C: This symbol, if defined, indicates that the fdclose routine is

?C: available to free a FILE structure without closing the underlying

?C: file descriptor. This function appeared in FreeBSD 10.2.

?C:.

?H:#\$d\_fdclose HAS\_FDCLOSE /\*\*/

?H:.

?LINT:set d\_fdclose

: see if fdclose exists

set fdclose d\_fdclose

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fdclose.U

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

?RCS: \$Id: d\_getpgid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_getpgid.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:33:44 ram

?RCS: patch61: created

?RCS:

?MAKE:d\_getpgid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getpgid:  
?S: This variable conditionally defines the HAS\_GETPGID symbol, which  
?S: indicates to the C program that the getpgid(pid) function  
?S: is available to get the process group id.  
?S:.  
?C:HAS\_GETPGID:  
?C: This symbol, if defined, indicates to the C program  
that  
?C: the getpgid(pid) function is available to get the  
?C: process group id.  
?C:.  
?H:#\$d\_getpgid HAS\_GETPGID /\*\*/  
?H:.  
?LINT:set d\_getpgid  
: see if getpgid exists  
set getpgid d\_getpgid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getpgid.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: cf\_who.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:28:50 ram

?RCS: patch61: new computation method avoiding use of temporary file

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:42:34 ram

?RCS: patch23: login name now computed the hard way

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:32 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: Oldconfig dependency is there to ensure computation occurs after old values

?X: from config.sh have been loaded, so that we can supersede them.

?X:  
?MAKE:cf\_time  
cf\_by: date Oldconfig  
?MAKE: -pick add \$@ %<  
?S:cf\_time:  
?S: Holds the output of the "date" command when the configuration file was  
?S: produced. This is used to tag both config.sh and config\_h.SH.  
?S:.  
?S:cf\_by:  
?S: Login name of the person who ran the Configure script and answered the  
?S: questions. This is used to tag both config.sh and config\_h.SH.  
?S:.  
?LINT:change LC\_ALL LANGUAGE  
: who configured the system  
?X: Ensure English date -- Jarkko Hietaniemi  
cf\_time=`LC\_ALL=C; LANGUAGE=C; export LC\_ALL; export LANGUAGE; \$date 2>&1`  
?X:  
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed  
?X: on some machines to avoid the error message when logname is not found; e.g.  
?X: on SUN-OS 3.2, (logname || whoami) would not execute whoami if logname was  
?X: not found. Sigh!  
?X:  
?X: Convex had a broken logname executable which returned a non-zero status,  
?X: and that broke the previous:  
?X: cf\_by=`(logname) 2>/dev/null || whoami) 2>&1`  
?X: Switch to emergency  
mode... -- RAM, 19/04/94  
?X:  
?X: Parentheses needed to avoid error message if the program does not exist.  
?X: Uses case instead of \$test so it can be put before \$test is defined.  
?X: Don't redirect to a file because on Ultrix (under script?) logname  
?X: outputs a blank line first. This method will apparently work.  
case "\$cf\_by" in  
"")  
cf\_by=`(logname) 2>/dev/null`  
case "\$cf\_by" in  
"")  
cf\_by=`(whoami) 2>/dev/null`  
case "\$cf\_by" in  
"") cf\_by=unknown ;;  
esac ;;  
esac ;;  
esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cf\_who.U

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

?RCS: \$Id: usethreads.U,v \$

?RCS:

?RCS: Copyright (c) 1998-2000 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: usethreads.U,v \$

?RCS:

?MAKE:usethreads useithreads use5005threads d\_oldpthreads usereentrant: \  
Myread Oldconfig Setvar test cat patchlevel

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usethreads:

?S: This variable conditionally defines the USE\_THREADS symbol,

?S: and indicates that Perl should be built to use threads.

?S:.

?S:useithreads:

?S: This variable conditionally defines the USE\_ITHREADS symbol,

?S: and indicates that Perl should be built to use the interpreter-based

?S: threading implementation.

?S:.

?S:use5005threads:

?S: This variable conditionally defines the USE\_5005THREADS symbol,

?S: and indicates that Perl should be built to use the 5.005-based

?S: threading implementation.

Only valid up to 5.8.x.

?S:.

?X: I'm putting old\_pthreads in this unit because it might eventually

?X: be part of an automatic determination to see if we can use threads

?X: at all.

?S:d\_oldpthreads:

?S: This variable conditionally defines the OLD\_PTHREADS\_API symbol,

?S: and indicates that Perl should be built to use the old

?S: draft POSIX threads API. This is only potentially meaningful if

?S: usethreads is set.

?S:.

?S:usereentrant:

?S: This variable conditionally defines the USE\_REENTRANT\_API symbol,

?S: which indicates that the thread code may try to use the various

?S: \_r versions of library functions. This is only potentially

?S: meaningful if usethreads is set and is very experimental, it is

?S: not even prompted for.

?S:.

?C:USE\_ITHREADS:

?C: This symbol, if defined, indicates that Perl should be built to

?C: use the interpreter-based threading implementation.

?C:.

?C:USE\_5005THREADS:

?C: This symbol, if defined, indicates that Perl should be built to

?C: use the 5.005-based

threading implementation.

?C: Only valid up to 5.8.x.

?C:.

?C:USE\_THREADS:

?C: This symbol, if defined, indicates that Perl should

?C: be built to use threads. At present, it is a synonym for

?C: USE\_5005THREADS for perl older than 5.8 and USE\_ITHREADS

?C: for 5.8.x and newer, but eventually the source ought to be

?C: changed to use this to mean `_any_` threading implementation.

?C:.

?C:OLD\_PTHREADS\_API:

?C: This symbol, if defined, indicates that Perl should

?C: be built to use the old draft POSIX threads API.

?C:.

?C:USE\_REENTRANT\_API:

?C: This symbol, if defined, indicates that Perl should

?C: try to use the various `_r` versions of library functions.

?C: This is extremely experimental.

?C:.

```
?H:#$use5005threads USE_5005THREADS /**/
?H:#$useithreads USE_ITHREADS /**/
?H:?%<:#if defined(USE_5005THREADS) && !defined(USE_ITHREADS)
?H:?%<:#define USE_THREADS /* until src is revised*/
?H:?%<:#endif
?H:#$d_oldpthreads OLD_PTHREADS_API /**/
?H:#$usereentrant USE_REENTRANT_API /**/
?H:.
```

?X:

[hmb] Removed LINT for use5005threads, useithreads, and

?X: useentrant, as LINT is only run on blead

?LINT:set usethreads d\_oldpthreads

?INIT:: set usethreads on the Configure command line to enable threads.

?INIT:usereentrant='undef'

?F:!usethreads.cbu

: Do we want threads support and if so, what type

?X: We should really have some explanatory text here, and some

?X: automatic setting of sensible defaults.

```
case "$usethreads" in
$define|true|[yY]*) dflt='y';;
*) # Catch case where user specified itthreads or 5005threads but
# forgot -Dusethreads (A.D. 4/2002)
case "$useithreads$use5005threads" in
*$define*) dflt='y';;
```

```

*) dflt='n';
esac
;;
esac
cat <<EOM

```

Perl can be built to offer a form of threading support on some systems  
To do so, Configure can be run with `-Dusetthreads`.

Note that Perl built with threading support runs slightly slower  
and uses slightly more memory than plain Perl.

If this doesn't make  
any sense to you, just accept the default '\$dflt'.

EOM

```

rp='Build a threading Perl?'
./myread
case "$ans" in
y|Y)  val="$define" ;;
*)    val="$undef" ;;
esac
set usethreads
eval $setvar

```

if \$test \$patchlevel -lt 9; then

```

  case "$usetthreads" in
    $define)
      : Default to ithreads unless overridden on command line or with
      : old config.sh
      dflt='y'
      case "$use5005threads" in
        $define|true|[yY]*)
          echo "5.005 threads are no longer supported"
          exit 1
          ;;
        esac
      case "$useithreads" in
        $undef|false|[nN]*) dflt='n';
        esac
      rp='Use the newer interpreter-based ithreads?'
      ./myread
      case "$ans" in
        y|Y)  val="$define" ;;
        *)    val="$undef" ;;
      esac
      set useithreads
      eval $setvar
      : Now set use5005threads to the opposite value.

```

```

case "$useithreads" in
$define) val="$undef" ;;
*) val="$define" ;;
esac
set use5005threads
eval $setvar
;;
*)
useithreads="$undef"
use5005threads="$undef"
;;
esac

```

?X: This is not supposed to be possible but with some trickery, maybe.

```

case "$useithreads$use5005threads" in
"$define$define")
$cat >&4 <<EOM

```

You cannot have both the itreads and the 5.005 threads enabled at the same time. Disabling the 5.005 threads since they are much less stable than the itreads.

```

EOM
use5005threads="$undef"
;;
esac

```

else  
: perl-5.9.x and later

```

if test X"$usetreads" = "X$define"; then
case "$use5005threads" in
$define|true|[yY]*)
$cat >&4 <<EOM

```

5.005 threads has been removed for 5.10. Perl will be built using itreads.

```

EOM
;;
esac
fi

use5005threads="$undef"
useithreads="$usetreads"
fi

```

?X: Check out what kind of threads API we have



```

case "$d_oldpthreads" in
") : Configure tests would be welcome here. For now, assume undef.
  val="$undef" ;;
*) val="$d_oldpthreads" ;;
esac
set d_oldpthreads
eval $setvar

```

?X: In general, -lpthread needs to come before -lc but after other  
?X: libraries such as -lgdbm and such like. We assume here that -lc  
?X: is present in libswanted. If that  
fails to be true, then this  
?X: can be changed to add pthread to the very end of libswanted.

```

: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a threading perl is to be built,
: we may need to set or change some other defaults.
if $test -f usethreads.cbu; then
  echo "Your platform has some specific hints regarding threaded builds, using them..."
  . ./usethreads.cbu
else
  case "$usethreads" in
"$define"|true|[yY]*)
  $cat <<EOM
(Your platform does not have any specific hints for threaded builds.
Assuming POSIX threads, then.)
EOM
  ;;
  esac
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/threads/usethreads.U

```

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ilogbl: Inlibc
?MAKE: -pick add $@ %<
?S:d_ilogbl:
?S: This variable conditionally defines the HAS_ILOGBL symbol, which
?S: indicates to the C program that the ilogbl() routine is available

```

?S: for extracting the exponent of long double x as a signed integer.

?S: If scalbnl is also present we can emulate frexpl.

?S:.

?C:HAS\_ILOGBL:

?C: This symbol, if defined, indicates that the ilogbl routine is

?C: available. If scalbnl is also present we can emulate frexpl.

?C:.

?H:#\$d\_ilogbl HAS\_ILOGBL /\*\*/

?H:.

?LINT:set d\_ilogbl

: see if ilogbl exists

set ilogbl d\_ilogbl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ilogbl.U

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

?RCS: \$Id: d\_attribut.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_attribut.U,v \$

?RCS: Revision 3.0.1.3 1995/01/30 14:33:45 ram

?RCS: patch49: test C program now includes <stdio.h> (WED)

?RCS:

?RCS: Revision 3.0.1.2 1995/01/11 15:25:47 ram

?RCS: patch45: fixed typo in the d\_attribut variable (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:08:55 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_attribute\_deprecated d\_attribute\_format

d\_attribute\_malloc \

d\_attribute\_nonnull d\_attribute\_noreturn d\_attribute\_pure \

d\_attribute\_unused d\_attribute\_warn\_unused\_result \

d\_printf\_format\_null: \

Myread Oldconfig cat cc cflags rm Setvar contains i\_stdlib run \

i\_inttypes

?MAKE: -pick add \$@ %<

?S:d\_attribute\_format:

?S: This variable conditionally defines HASATTRIBUTE\_FORMAT, which

?S: indicates the C compiler can check for printf-like formats.

?S:.

?S:d\_attribute\_deprecated:

?S: This variable conditionally defines HASATTRIBUTE\_DEPRECATED, which

?S: indicates that GCC can handle the attribute for marking deprecated

?S: APIs

?S:.

?S:d\_printf\_format\_null:

?S: This variable conditionally defines PRINTF\_FORMAT\_NULL\_OK, which

?S: indicates the C compiler allows printf-like formats to be null.

?S:.

?S:d\_attribute\_malloc:

?S: This variable conditionally defines HASATTRIBUTE\_MALLOC, which

?S: indicates the C compiler can understand functions as having

?S: malloc-like semantics.

?S:.

?S:d\_attribute\_nonnull:

?S: This

variable conditionally defines HASATTRIBUTE\_NONNULL, which

?S: indicates that the C compiler can know that certain arguments

?S: must not be NULL, and will check accordingly at compile time.

?S:.

?S:d\_attribute\_noreturn:

?S: This variable conditionally defines HASATTRIBUTE\_NORETURN, which

?S: indicates that the C compiler can know that certain functions

?S: are guaranteed never to return.

?S:.

?S:d\_attribute\_pure:

?S: This variable conditionally defines HASATTRIBUTE\_PURE, which

?S: indicates that the C compiler can know that certain functions

?S: are "pure" functions, meaning that they have no side effects, and

?S: only rely on function input and/or global data for their results.

?S:.

?S:d\_attribute\_unused:

?S: This variable conditionally defines HASATTRIBUTE\_UNUSED, which

?S: indicates that the C compiler can know that certain variables

?S: and arguments may not always be used, and to not throw warnings

?S: if they don't get used.

?S:.

?S:d\_attribute\_warn\_unused\_result:

?S: This variable

conditionally defines

?S: HASATTRIBUTE\_WARN\_UNUSED\_RESULT, which indicates that the C

?S: compiler can know that certain functions have a return values

?S: that must not be ignored, such as malloc() or open().

?S:.

?C:HASATTRIBUTE\_FORMAT ~ %< (GNU\_ATTRIBUTE\_CHECK):

?C: Can we handle GCC attribute for checking printf-style formats

?C:.

?C:PRINTF\_FORMAT\_NULL\_OK:

?C: Allows \_\_printf\_\_ format to be null when checking printf-style

?C:.

?C:HASATTRIBUTE\_MALLOC:

?C: Can we handle GCC attribute for malloc-style functions.

?C:.

?C:HASATTRIBUTE\_NONNULL:

?C: Can we handle GCC attribute for nonnull function parms.

?C:.

?C:HASATTRIBUTE\_NORETURN:

?C: Can we handle GCC attribute for functions that do not return

?C:.

?C:HASATTRIBUTE\_PURE:

?C: Can we handle GCC attribute for pure functions

?C:.

?C:HASATTRIBUTE\_UNUSED:

?C: Can we handle GCC attribute for unused variables and arguments

?C:.

?C:HASATTRIBUTE\_DEPRECATED:

?C: Can we handle GCC attribute for marking deprecated APIs

?C:.

?C:HASATTRIBUTE\_WARN\_UNUSED\_RESULT

~ %< (HASATTRIBUTE):

?C: Can we handle GCC attribute for warning on unused results

?C:.

?H:%<:#\$d\_attribute\_deprecated HASATTRIBUTE\_DEPRECATED /\*\*/

?H:%<:#\$d\_attribute\_format HASATTRIBUTE\_FORMAT /\*\*/

?H:%<:#\$d\_printf\_format\_null PRINTF\_FORMAT\_NULL\_OK /\*\*/

?H:%<:#\$d\_attribute\_noreturn HASATTRIBUTE\_NORETURN /\*\*/

?H:%<:#\$d\_attribute\_malloc HASATTRIBUTE\_MALLOC /\*\*/

?H:%<:#\$d\_attribute\_nonnull HASATTRIBUTE\_NONNULL /\*\*/

?H:%<:#\$d\_attribute\_pure HASATTRIBUTE\_PURE /\*\*/

?H:%<:#\$d\_attribute\_unused HASATTRIBUTE\_UNUSED /\*\*/

?H:%<:#\$d\_attribute\_warn\_unused\_result HASATTRIBUTE\_WARN\_UNUSED\_RESULT /\*\*/

?H:.

?F:!attrib !attrib.out !attrib.c

?LINT:set d\_attribute\_deprecated

?LINT:set d\_attribute\_format

?LINT:set d\_printf\_format\_null

?LINT:set d\_attribute\_malloc

?LINT:set d\_attribute\_nonnull

?LINT:set d\_attribute\_noreturn

?LINT:set d\_attribute\_pure

?LINT:set d\_attribute\_unused

```

?LINT:set d_attribute_warn_unused_result
: Look for GCC-style attribute format
case "$d_attribute_format"
in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((format)) ..." >&4
$cat >attrib.c <<<'EOCP'
#include <stdio.h>
void my_special_printf(char* pat,...) __attribute__((__format__(__printf__,1,2)));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1 ; then
echo "Your C compiler doesn't support __attribute__((format))."
val="$undef"
else
echo "Your C compiler supports __attribute__((format))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_format" ;;
esac
set d_attribute_format
eval $setvar
$rm -f attrib*

```

```

: Look for GCC-style attribute format with null format allowed
case "$d_printf_format_null" in
") case "$d_attribute_format" in
$define)
echo " "
echo "Checking whether your compiler allows __printf__ format to be null ..." >&4
$cat >attrib.c <<<'EOCP'
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef
I_STDLIB
#include <stdlib.h>
#endif
#$i_inttypes I_INTTYPES
#ifdef I_INTTYPES
#include <inttypes.h>
#endif
#endif INTPTR_MAX

```

```

#define intptr_t int
#endif
int null_printf (char* pat,...) __attribute__((__format__(__printf__,1,2)));
int null_printf (char* pat,...) { return (int)(intptr_t)pat; }
int main () { exit(null_printf(NULL)); }
EOCP
if $cc $ccflags -o attrib attrib.c >attrib.out 2>&1 ; then
    : run the executable in case it produces a run-time warning
    if $run ./attrib >>attrib.out 2>&1; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
    echo "Your C compiler doesn't allow __printf__ format to be null."
    val="$undef"
else
    echo "Your C compiler allows __printf__ format to be null."
    val="$define"
fi
else
    echo "Your C compiler executable failed with __printf__ format null."
    val="$undef"
fi
else
echo "Your C compiler fails with __printf__ format null."
val="$undef"
fi
;;
*) val="$undef" ;;
esac
;;
*)
    val="$d_printf_format_null" ;;
esac
set d_printf_format_null
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute malloc
case "$d_attribute_malloc" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((malloc)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
char *go_get_some_memory( int how_many_bytes ) __attribute__((malloc));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
    echo "Your C compiler doesn't support __attribute__((malloc))."
    val="$undef"

```

```

else
  echo "Your C compiler supports __attribute__((malloc))."
  val="$define"
fi
else
  echo "Your C compiler doesn't seem to understand __attribute__ at all."
  val="$undef"
fi
;;
*) val="$d_attribute_malloc" ;;
esac
set d_attribute_malloc
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute nonnull
case "$d_attribute_nonnull" in
  ")
  echo " "
  echo "Checking whether your compiler can handle __attribute__((nonnull(1))) ..."
  >&4
  $cat >attrib.c <<'EOCP'
  #include <stdio.h>
  void do_something (char *some_pointer,...) __attribute__((nonnull(1)));
  EOCP
  if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
  if $contains 'warning' attrib.out >/dev/null 2>&1; then
    echo "Your C compiler doesn't support __attribute__((nonnull))."
    val="$undef"
  else
    echo "Your C compiler supports __attribute__((nonnull))."
    val="$define"
  fi
else
  echo "Your C compiler doesn't seem to understand __attribute__ at all."
  val="$undef"
fi
;;
*) val="$d_attribute_nonnull" ;;
esac
set d_attribute_nonnull
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute noreturn
case "$d_attribute_noreturn" in
  ")
  echo " "

```

```

echo "Checking whether your compiler can handle __attribute__((noreturn)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
void fall_over_dead( void ) __attribute__((noreturn));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't
support __attribute__((noreturn))."
val="$undef"
else
echo "Your C compiler supports __attribute__((noreturn))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_noreturn" ;;
esac
set d_attribute_noreturn
eval $setvar
$rm -f attrib*

```

```

: Look for GCC-style attribute pure
case "$d_attribute_pure" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((pure)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
int square( int n ) __attribute__((pure));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((pure))."
val="$undef"
else
echo "Your C compiler supports __attribute__((pure))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_pure" ;;

```



```

esac
set d_attribute_pure
eval
$setvar
$rm -f attrib*

: Look for GCC-style attribute unused
case "$d_attribute_unused" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((unused)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
int do_something( int dummy __attribute__((unused)), int n );
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((unused))."
val="$undef"
else
echo "Your C compiler supports __attribute__((unused))."
val="$define"
fi
else
echo "Your C compiler doesn't seem to understand __attribute__ at all."
val="$undef"
fi
;;
*) val="$d_attribute_unused" ;;
esac
set d_attribute_unused
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute deprecated
case "$d_attribute_deprecated" in
")
echo " "
echo "Checking whether your compiler can handle __attribute__((deprecated)) ..." >&4
$cat >attrib.c <<'EOCP'
#include <stdio.h>
int I_am_deprecated(void)
__attribute__((deprecated));
EOCP
if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
if $contains 'warning' attrib.out >/dev/null 2>&1; then
echo "Your C compiler doesn't support __attribute__((deprecated))."
val="$undef"

```

```

else
  echo "Your C compiler supports __attribute__((deprecated))."
  val="$define"
fi
else
  echo "Your C compiler doesn't seem to understand __attribute__ at all."
  val="$undef"
fi
;;
*) val="$d_attribute_deprecated" ;;
esac
set d_attribute_deprecated
eval $setvar
$rm -f attrib*

: Look for GCC-style attribute warn_unused_result
case "$d_attribute_warn_unused_result" in
  ")
  echo " "
  echo "Checking whether your compiler can handle __attribute__((warn_unused_result)) ..." >&4
  $cat >attrib.c <<'EOCP'
  #include <stdio.h>
  int I_will_not_be_ignored(void) __attribute__((warn_unused_result));
  EOCP
  if $cc $ccflags -c attrib.c >attrib.out 2>&1 ; then
  if $contains 'warning' attrib.out >/dev/null 2>&1; then
    echo "Your C compiler doesn't support __attribute__((warn_unused_result))."
    val="$undef"
  else
    echo
    "Your C compiler supports __attribute__((warn_unused_result))."
    val="$define"
  fi
  else
    echo "Your C compiler doesn't seem to understand __attribute__ at all."
    val="$undef"
  fi
  ;;
*) val="$d_attribute_warn_unused_result" ;;
esac
set d_attribute_warn_unused_result
eval $setvar
$rm -f attrib*

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_attribut.U

```

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

```
?RCS: $Id: d_setlocale.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_setlocale.U,v $
?RCS: Revision 3.0.1.1 1994/06/20 06:57:51 ram
?RCS: patch30: created
?RCS:
?MAKE:d_setlocale: Inlibc
?MAKE: -pick add $@ %<
?S:d_setlocale:
?S: This variable conditionally defines HAS_SETLOCALE if setlocale() is
?S: available to handle locale-specific ctype implementations.
?S:.
?C:HAS_SETLOCALE:
?C: This symbol, if defined, indicates that the setlocale
?C: routine is
?C: available to handle locale-specific ctype implementations.
?C:.
?H:#$d_setlocale HAS_SETLOCALE /**/
?H:.
?LINT:set d_setlocale
: see if setlocale exists
set setlocale d_setlocale
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_setlocale.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: models.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:13:17 ram  
?RCS: patch61: added ?F: metalint hint  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:39 ram  
?RCS: patch6: added default for large  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:17 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:models split small medium large huge: test cat Myread sysman Oldconfig \  
Loc Warn contains rm  
?MAKE: -pick add \$@ %<  
?S:models:  
?S: This variable contains the list of memory models supported by  
this  
?S: system. Possible component values are none, split, unsplit, small,  
?S: medium, large, and huge. The component values are space separated.  
?S:.  
?S:split:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program that will run in separate I and D space, for those  
?S: machines that support separation of instruction and data space. It is  
?S: up to the Makefile to use this.  
?S:.  
?S:small:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a small memory model. It is up to  
?S: the Makefile to use this.  
?S:.  
?S:medium:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a medium memory model. If the  
?S: medium model is not supported, contains the flag to produce large  
?S: model programs. It is up to the Makefile to use this.  
?S:.  
?S:large:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to  
produce a program running with a large memory model. It is up to  
?S: the Makefile to use this.  
?S:.  
?S:huge:  
?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a huge memory model. If the

?S: huge model is not supported, contains the flag to produce large

?S: model programs. It is up to the Makefile to use this.

?S:.

?T:unsplit tans modelcc

?F:!pdp11

?D:large=""

?LINT:extern cc

: see what memory models we can support

case "\$models" in

")

?X: We may not use Cppsym or we get a circular dependency through cc.

?X: But this should work regardless of which cc we eventually use.

```
$cat >pdp11.c <<'EOP'
```

```
int main() {
```

```
#ifdef pdp11
```

```
    exit(0);
```

```
#else
```

```
    exit(1);
```

```
#endif
```

```
}
```

```
EOP
```

?X: Run cc in a subshell in case they don't have a 'cc' command.

?X: Presumably they do have gcc or something.

```
case "$cc" in
```

```
) modelcc="$cc" ;;
```

```
*) modelcc="cc" ;;
```

```
esac
```

```
( $modelcc -o pdp11 pdp11.c ) >/dev/null 2>&1
```

```
if $test -f pdp11 && ./pdp11 2>/dev/null;
```

```
then
```

```
    dflt='unsplit split'
```

```
else
```

```
tans=`./loc . X /lib/small /lib/large /usr/lib/small /usr/lib/large /lib/medium /usr/lib/medium /lib/huge`
```

```
case "$tans" in
```

```
X) dflt='none';;
```

```
*) if $test -d /lib/small || $test -d /usr/lib/small; then
```

```
    dflt='small'
```

```
else
```

```
    dflt=""
```

```
fi
```

```
if $test -d /lib/medium || $test -d /usr/lib/medium; then
```

```
    dflt="$dflt medium"
```

```
fi
```

```
if $test -d /lib/large || $test -d /usr/lib/large; then
```

```
    dflt="$dflt large"
```

```
fi
```

```
if $test -d /lib/huge || $test -d /usr/lib/huge; then
```

```
    dflt="$dflt huge"
```

```

fi
esac
fi;;
*) dflt="$models";;
esac
$cat <<EOM

```

Some systems have different model sizes. On most systems they are called small, medium, large, and huge. On the PDP11 they are called unsplit and split. If your system doesn't support different memory models, say "none". If you wish to force everything to one memory model, say "none" here and put the appropriate flags later when it asks you for other cc and ld flags.

Venix systems may wish

to put "none" and let the compiler figure things out.

(In the following question multiple model names should be space separated.)

The default for most systems is "none".

EOM

```
rp="Which memory models are supported?"
```

```
./myread
```

```
models="$ans"
```

```
case "$models" in
```

```
none)
```

```
small="
```

```
medium="
```

```
large="
```

```
huge="
```

```
unsplit="
```

```
split="
```

```
::
```

```
*split)
```

```
case "$split" in
```

```
") if $contains \-i' $sysman/ld.1 >/dev/null 2>&1 || \
```

```
$contains \-i' $sysman/cc.1 >/dev/null 2>&1; then
```

```
dflt='-i'
```

```
else
```

```
dflt='none'
```

```
fi;;
```

```
*) dflt="$split";;
```

```
esac
```

```
rp="What flag indicates separate I and D space?"
```

```
./myread
```

```
tans="$ans"
```

```
case "$tans" in
```

```
none) tans="";;
```

```
esac
```

```

split="$tans"
unsplit="";
*large*|*small*|*medium*|*huge*)
case "$models" in
*large*)
case "$large" in
") dflt='-Ml';;
*) dflt="$large";;
esac
rp="What flag indicates large model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
large="$tans";;
*) large="";;
esac
case "$models" in
*huge*) case "$huge" in
")
dflt='-Mh';;
*) dflt="$huge";;
esac
rp="What flag indicates huge model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
huge="$tans";;
*) huge="$large";;
esac
case "$models" in
*medium*) case "$medium" in
") dflt='-Mm';;
*) dflt="$medium";;
esac
rp="What flag indicates medium model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
medium="$tans";;
*) medium="$large";;
esac
case "$models" in

```

```

*small*) case "$small" in
  ") dflt='none';;
  *) dflt="$small";;
esac
rp="What flag indicates small model?"
. ./myread
tans="$ans"
case "$tans" in
  none) tans="";
esac
small="$tans";;
*) small="";;
esac
;;
*)
./warn "Unrecognized memory models--you may have to edit Makefile.SH"
;;
esac
$rm -f pdp11.* pdp11

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/models.U

```

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

```

?RCS: $Id: d_bzero.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_bzero.U,v $
?RCS: Revision 3.0.1.2 1993/10/16 13:48:15 ram
?RCS: patch12: added magic support for bzero()
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:01:33 ram
?RCS: patch10: now only defines HAS_BZERO, no macro remap on memset (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:46 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_bzero: Inlibc
?MAKE:-pick add $@ %<
?S:d_bzero:

```



?S: This variable conditionally defines the HAS\_BZERO symbol if  
?S: the bzero() routine is available to set memory to 0.  
?S:.  
?C:HAS\_BZERO:  
?C: This symbol is defined if the bzero() routine is available to  
?C: set a memory block to 0.  
?C:.  
?H:#\$d\_bzero HAS\_BZERO /\*\*/  
?H:.  
?M:bzero: HAS\_BZERO  
?M:#ifndef HAS\_BZERO  
?M:#ifndef bzero  
?M:#define bzero(s,l) memset((s),0,(l))  
?M:#endif  
?M:#endif  
?M:.  
?LINT:set d\_bzero  
: see if bzero exists  
set bzero d\_bzero  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_bzero.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_expm1: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_expm1:

?S: This variable conditionally defines the HAS\_EXPM1 symbol, which

?S: indicates to the C program that the expm1() routine is available.

?S:.

?C:HAS\_EXPM1:

?C: This symbol, if defined, indicates that the expm1 routine is

?C: available to do the exp(x) - 1 when x is near 1 function.

?C:.

?H:#\$d\_expm1 HAS\_EXPM1 /\*\*/  
?H:.

?LINT:set d\_expm1

: see if expm1 exists

set expm1 d\_expm1

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_expm1.U

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

?RCS: \$Id: d\_times.U,v 3.0.1.2 1995/07/25 14:07:50 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_times.U,v \$

?RCS: Revision 3.0.1.2 1995/07/25 14:07:50 ram

?RCS: patch56: typo fix, sytem -> system

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:14:00 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:46 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: What is the type returned by times() ?

?X:

?X: Force inclusion of <sys/types.h>

?X:INC: i\_systypes

?MAKE:d\_times clocktype:

Csym Myread Typedef i\_systimes

?MAKE: -pick add \$@ %<

?S:d\_times:

?S: This variable conditionally defines the HAS\_TIMES symbol, which indicates

?S: that the times() routine exists. The times() routine is normally

?S: provided on UNIX systems. You may have to include <sys/times.h>.

?S:.

?S:clocktype:

?S: This variable holds the type returned by times(). It can be long,

?S: or clock\_t on BSD sites (in which case <sys/types.h> should be

?S: included).

?S:.

?C:HAS\_TIMES (TIMES):

?C: This symbol, if defined, indicates that the times() routine exists.

?C: Note that this became obsolete on some systems (SUNOS), which now

?C: use getrusage(). It may be necessary to include <sys/times.h>.

?C:.

?C:Clock\_t (CLOCKTYPE):

```

?C: This symbol holds the type returned by times(). It can be long,
?C: or clock_t on BSD sites (in which case <sys/types.h> should be
?C: included).
?C:.
?H:#$d_times HAS_TIMES /**/
?H:#define Clock_t $clocktype /* Clock time */
?H:.
?T:val inc
: see if times exists
echo "
"
if set times val -f d_times; eval $csym; $val; then
echo 'times() found.' >&4
d_times="$define"
inc=""
case "$i_systimes" in
"$define") inc='sys/times.h';
esac
rp="What is the type returned by times() on this system?"
set clock_t clocktype long stdio.h sys/types.h $inc
eval $typedef_ask
else
echo 'times() NOT found, hope that will do.' >&4
d_times="$undef"
?X: The following is needed for typedef (won't like an empty variable)
clocktype='int'
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/typedefs/d_times.U

```

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_quadmath: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_quadmath:

?S: This variable conditionally defines I\_QUADMATH, which indicates

?S: to the C program that it should include <quadmath.h>.

?S:.

?C:I\_QUADMATH:

?C: This symbol, if defined, indicates that <quadmath.h> exists and

?C: should be included.

?C:.

?H:#\$i\_quadmath I\_QUADMATH /\*\*/

?H:.

```
?LINT:set i_quadmath
: see if this is a quadmath.h system
set quadmath.h i_quadmath
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_quadmath.U
```

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

```
?RCS: $Id: i_poll.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2001 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_langinfo: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_langinfo:
```

```
?S: This variable conditionally defines the I_LANGINFO symbol,
```

```
?S: and indicates whether a C program should include <langinfo.h>.
```

```
?S:.
```

```
?C:I_LANGINFO:
```

```
?C: This symbol, if defined, indicates that <langinfo.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_langinfo I_LANGINFO /**/
```

```
?H:.
```

```
?LINT:set i_langinfo
```

```
: see if this is a langinfo.h system
```

```
set langinfo.h i_langinfo
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_langinfo.U
```

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

```
?RCS: $Id: d_setpgrp.U,v 3.0.1.3 1997/02/28 15:44:16 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

?RCS:  
?RCS: \$Log: d\_setpgrp.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:44:16 ram  
?RCS: patch61: obsoleted USE\_BSDGRP in favor of USE\_BSD\_SETPGRP  
?RCS: patch61: another unit now also defines a USE\_BSD\_GETPGRP  
?RCS: patch61: fallback for test program failure improved  
?RCS:  
?RCS: Revision 3.0.1.2 1995/07/25 13:59:30 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:15:37 ram  
?RCS: patch36: added  
'ldflags' to the test compile line (ADO)  
?RCS: patch36: call ./usg explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setpgrp d\_bsdsetpgrp: cat rm\_try +cc +libs +ccflags \  
+ldflags Inlibc Guess Setvar i\_unistd i\_stdlib run  
?MAKE: -pick add \$@ %<  
?S:d\_setpgrp:  
?S: This variable conditionally defines HAS\_SETPGRP if setpgrp() is  
?S: available to set the current process group.  
?S:.  
?S:d\_bsdsetpgrp (d\_bsdgrp):  
?S: This variable conditionally defines USE\_BSD\_SETPGRP if  
?S: setpgrp needs two arguments whereas USG one needs none.  
?S: See also d\_setpgid for a POSIX interface.  
?S:.  
?C:HAS\_SETPGRP (SETPGRP):  
?C: This symbol, if defined, indicates that the setpgrp routine is  
?C: available to set the current process group.  
?C:.  
?C:USE\_BSD\_SETPGRP (USE\_BSDPGRP BSDPGRP):  
?C: This symbol, if defined, indicates that setpgrp needs two  
?C: arguments whereas USG one needs none. See also HAS\_SETPGID  
?C: for  
a POSIX interface.  
?C:.  
?H:#\$d\_setpgrp HAS\_SETPGRP /\*\*/  
?H:#\$d\_bsdsetpgrp USE\_BSD\_SETPGRP /\*\*/  
?H:.  
?T:xxx  
?F:!try  
?LINT:set d\_setpgrp d\_bsdsetpgrp  
: see if setpgrp exists  
set setpgrp d\_setpgrp

```

eval $inlibc

@if USE_BSD_SETPGRP || d_bsdsetpgrp
case "$d_setpgrp" in
"$define")
echo " "
echo "Checking to see which flavor of setpgrp is in use..."
$cat >try.c <<EOP
#$i_unistd I_UNISTD
#include <sys/types.h>
#ifdef I_UNISTD
# include <unistd.h>
#endif
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main()
{
if (getuid() == 0) {
printf("(I see you are running Configure as super-user...)\n");
setuid(1);
}
#ifdef TRY_BSD_PGRP
if (-1 == setpgrp(1, 1))
exit(0);
#else
if (setpgrp() != -1)
exit(0);
#endif
exit(1);
}
EOP
if $cc -o try -DTRY_BSD_PGRP $ccflags $ldflags try.c $libs >/dev/null 2>&1 && $run ./try; then
echo 'You have to use setpgrp(pid,pgrp) instead of setpgrp().' >&4
val="$define"
elif $cc -o try $ccflags $ldflags try.c $libs >/dev/null 2>&1 &&
$run ./try; then
echo 'You have to use setpgrp() instead of setpgrp(pid,pgrp).' >&4
val="$undef"
else
echo "(I can't seem to compile and run the test program.)"
if ./usg; then
xxx="a USG one, i.e. you use setpgrp()."
else
# SVR4 systems can appear rather BSD-ish.
case "$i_unistd" in
$undef)

```

```

xxx="a BSD one, i.e. you use setpgrp(pid,pgrp)."
val="$define"
;;
$define)
xxx="probably a USG one, i.e. you use setpgrp()."
val="$undef"
;;
esac
fi
echo "Assuming your setpgrp is $xxx" >&4
fi
;;
*) val="$undef";;
esac
set d_bsdsetpgrp
eval $setvar
$rm_try
@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_setpgrp.U
```

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?RCS: \$Id: d\_table.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_table.U,v \$

?RCS: Revision 3.0.1.2 1993/11/10 17:34:14 ram

?RCS: patch14: wrongly mentionned an obsolete symbol

?RCS:

?RCS: Revision 3.0.1.1 1993/10/16 13:49:29 ram

?RCS: patch12: created

?RCS:

?MAKE:d\_table: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_table:

?S: This variable conditionally defines HAS\_TABLE if table() is

?S: available to examine/update elements from a system table.

?S:.

?C:HAS\_TABLE:

?C: This symbol, if defined, indicates that the OSF/1  
table() system  
?C: call is available to examine/update items from a system table.  
?C:.  
?H:#\$d\_table HAS\_TABLE /\*\*/  
?H:.  
?LINT:set d\_table  
: see if table exists  
set table d\_table  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_table.U

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?RCS:  
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?RCS:  
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?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_mkstemp: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mkstemp:  
?S: This variable conditionally defines the HAS\_MKSTEMPS symbol, which  
?S: indicates to the C program that the mkstemp() routine is available  
?S: to exclusively create and open a uniquely named (with a suffix)  
?S: temporary file.  
?S:.  
?C:HAS\_MKSTEMPS :  
?C: This symbol, if defined, indicates that the mkstemp routine is  
?C: available to exclusively create and open a uniquely named  
?C: (with a suffix) temporary file.  
?C:.  
?H:#\$d\_mkstemp HAS\_MKSTEMPS /\*\*/  
?H:.  
?LINT:set d\_mkstemp  
: see if mkstemp exists  
set mkstemp d\_mkstemp  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mkstemp.U

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```

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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_gconvert.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:33:38 ram
?RCS: patch61: integrated new unit from perl5
?RCS:
?RCS: Revision 3.0.1.2 1995/07/25 13:55:59 ram
?RCS: patch56: improved comments about the Gconvert macro (ADO)
?RCS: patch56: force compile-link test since it may exist but be unusable (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:12:51 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_Gconvert:
cat cc cflags ldflags libs rm_try _o
?MAKE: -pick add $@ %<
?S:d_Gconvert:
?S: This variable holds what Gconvert is defined as to convert
?S: floating point numbers into strings. It could be 'gconvert'
?S: or a more complex macro emulating gconvert with gcvt() or sprintf.
?S:
?C:Gconvert:
?C: This preprocessor macro is defined to convert a floating point
?C: number to a string without a trailing decimal point. This
?C: emulates the behavior of sprintf("%g"), but is sometimes much more
?C: efficient. If gconvert() is not available, but gcvt() drops the
?C: trailing decimal point, then gcvt() is used. If all else fails,
?C: a macro using sprintf("%g") is used. Arguments for the Gconvert
?C: macro are: value, number of digits, whether trailing zeros should
?C: be retained, and the output buffer.
?C: Possible values are:
?C: d_Gconvert='gconvert((x),(n),(t),(b))'
?C: d_Gconvert='gcvt((x),(n),(b))'
?C: d_Gconvert='sprintf((b),"%.*g",(n),(x))'
?C: The last two assume trailing zeros should
not be kept.
?C:
?H:#define Gconvert(x,n,t,b) $d_Gconvert

```

```

?H:
?T: xxx_list xxx_convert
?F:!try
?X:
: Check how to convert floats to strings.
echo " "
echo "Checking for an efficient way to convert floats to strings."
?X: We want to be sure to drop trailing decimal points (perl5
?X: needs this).
$cat >try.c <<'EOP'
#ifdef TRY_gconvert
#define Gconvert(x,n,t,b) gconvert((x),(n),(t),(b))
char *myname = "gconvert";
#endif
#ifdef TRY_gcvt
#define Gconvert(x,n,t,b) gcvt((x),(n),(b))
char *myname = "gcvt";
#endif
#ifdef TRY_sprintf
#define Gconvert(x,n,t,b) sprintf((b),"%.*g",(n),(x))
char *myname = "sprintf";
#endif

#include <stdio.h>

int
checkit(expect, got)
char *expect;
char *got;
{
    if (strcmp(expect, got)) {
        printf("%s oddity: Expected %s, got %s\n",
            myname, expect, got);
        exit(1);
    }
}

int
int main()
{
    char buf[64];
    buf[63] = '\0';

    /* This must be 1st test on (which?) platform */
    /* Alan Burlison <AlanBurlsin@unn.unisys.com> */
    Gconvert(0.1, 8, 0, buf);
    checkit("0.1",

```

```

buf);

Gconvert(1.0, 8, 0, buf);
checkit("1", buf);

Gconvert(0.0, 8, 0, buf);
checkit("0", buf);

Gconvert(-1.0, 8, 0, buf);
checkit("-1", buf);

/* Some Linux gcvt's give 1.e+5 here. */
Gconvert(100000.0, 8, 0, buf);
checkit("100000", buf);

/* Some Linux gcvt's give -1.e+5 here. */
Gconvert(-100000.0, 8, 0, buf);
checkit("-100000", buf);

exit(0);
}
EOP
?X: List of order in which to search for functions.
?X: Usual order of efficiency is gconvert gcvt sprintf
?X: Respect a previous or hinted value.
case "$d_Gconvert" in
gconvert*) xxx_list='gconvert gcvt sprintf' ;;
gcvt*) xxx_list='gcvt gconvert sprintf' ;;
sprintf*) xxx_list='sprintf gconvert gcvt' ;;
*) xxx_list='gconvert gcvt sprintf' ;;
esac

for xxx_convert in $xxx_list; do
echo "Trying $xxx_convert"
$rm_try
if $cc $ccflags -DTRY_$xxx_convert $ldflags -o try \
try.c $libs > /dev/null 2>&1 ; then
echo "$xxx_convert" found. >&4
if ./try; then
echo "I'll use $xxx_convert to convert floats
into a string." >&4
break;
else
echo "...But $xxx_convert didn't work as I expected."
fi
else
echo "$xxx_convert NOT found." >&4
fi

```

done

```
case "$xxx_convert" in
gconvert) d_Gconvert='gconvert((x),(n),(t),(b))' ;;
gcvt) d_Gconvert='gcvt((x),(n),(b))' ;;
*) d_Gconvert='sprintf((b),"%.*g",(n),(x))' ;;
esac
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_gconvert.U

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?RCS: \$Id: i\_stdlib.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS:

?RCS: \$Log: i\_stdlib.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:27 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_stdlib: Nothing

?MAKE: -pick add \$@ %<

?S:i\_stdlib:

?S: This variable unconditionally defines the I\_STDLIB symbol.

?S:.

?C:I\_STDLIB:

?C: This symbol is always defined, indicating that <stdlib.h> exists

?C: and should be included.

?C:.

?H:#define I\_STDLIB /\*\*/

?H:.

: stub, used only to satisfy other units

i\_stdlib='define'

Found in

path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_stdlib.U

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?RCS:  
?MAKE:d\_towlower: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_towlower:  
?S: This variable conditionally defines the HAS\_TOWLOWER symbol, which  
?S: indicates to the C program that the towlower() routine is available.  
?S:.  
?C:HAS\_TOWLOWER:  
?C: This symbol, if defined, indicates that the towlower () routine is  
?C: available to do case conversion.  
?C:.  
?H:#\$d\_towlower HAS\_TOWLOWER /\*\*/  
?H:.  
?LINT:set d\_towlower  
: see if towlower exists  
set towlower d\_towlower  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_towlower.U

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

?RCS: \$Id: h\_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: h\_sysfile.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:13 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:h\_sysfile: Nothing  
?MAKE: -pick add \$@ %<  
?S:h\_sysfile:  
?S: This variable gets set in various places to tell i\_sys\_file that  
?S: <sys/file.h> should be included.  
?S:.

: Initialize h\_sysfile  
h\_sysfile=false

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/h\_sysfile.U

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

?RCS: \$Id\$

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:i\_wchar: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_wchar:

?S: This variable conditionally defines the I\_WCHAR symbol,

?S: that indicates whether a C program may include <wchar.h>.

?S:.

?C:I\_WCHAR:

?C: This symbol, if defined, indicates to the C program that <wchar.h>

?C: is available for inclusion

?C:.

?H:#\$i\_wchar I\_WCHAR /\*\*/

?H:.

?LINT:set i\_wchar

: see if wchar.h is present

set wchar.h i\_wchar

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_wchar.U

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

?RCS: \$Id\$

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?RCS:

?RCS: \$Log: d\_fd\_set.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:33:16 ram

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.2 1994/06/20 06:57:23 ram

?RCS: patch30: extended scope for fd\_set checks (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:06:27 ram

?RCS: patch16: comments for HAS\_FD\_\* symbols were not consistent

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_fd\_set d\_fd\_macros d\_fds\_bits: cat +cc +ccflags rm Oldconfig  
 \  
 d\_socket i\_systime i\_sysselect i\_syssock

?MAKE: -pick add \$@ %<

?S:d\_fd\_set:

?S: This variable contains the eventual value of the HAS\_FD\_SET symbol,  
 ?S: which indicates if your C compiler knows about the fd\_set typedef.

?S:.

?S:d\_fd\_macros:

?S: This variable contains the eventual value of the HAS\_FD\_MACROS symbol,  
 ?S: which indicates if your C compiler knows about the macros which  
 ?S: manipulate an fd\_set.

?S:.

?S:d\_fds\_bits:

?S: This variable contains the eventual value of the HAS\_FDS\_BITS symbol,  
 ?S: which indicates if your fd\_set typedef contains the fds\_bits member.  
 ?S: If you have an fd\_set typedef, but the dweebs who installed it did  
 ?S: a half-fast job and neglected to provide the macros to manipulate  
 ?S: an fd\_set, HAS\_FDS\_BITS will let us know how to fix the gaffe.

?S:.

?C:HAS\_FD\_SET:

?C: This symbol, when defined, indicates presence of the fd\_set typedef  
 ?C: in <sys/types.h>

?C:.

?C:HAS\_FD\_MACROS:

?C: This symbol, when defined, indicates presence of the macros used  
 to  
 ?C: manipulate an fd\_set.

?C:.

?C:HAS\_FDS\_BITS:

?C: This symbol, when defined, indicates presence of the fds\_bits member in  
 ?C: fd\_set. This knowledge is useful if fd\_set is available but the macros  
 ?C: aren't.

```

?C:.
?H:#$d_fd_set HAS_FD_SET /**/
?H:#$d_fd_macros HAS_FD_MACROS /**/
?H:#$d_fds_bits HAS_FDS_BITS /**/
?H:.
?F:!fd_set
: check for fd_set items
$cat <<EOM

```

Checking to see how well your C compiler handles fd\_set and friends ...

EOM

?X: The FD\_SET macros can be in strange places. On some SysV-based

?X: systems, they are in <sys/bsdtypes.h>, which is included (perhaps)

?X: by <sys/socket.h>. We won't force people to include

?X: <sys/bsdtypes.h> because it might introduce other

?X: incompatibilities.

\$cat >fd\_set.c <<EOCP

```

#$i_systime I_SYS_TIME

```

```

#$i_sysselect I_SYS_SELECT

```

```

#$d_socket HAS_SOCKET

```

```

#$i_syssock I_SYS_SOCKET

```

```

#include <sys/types.h>

```

```

#ifdef HAS_SOCKET

```

```

#ifdef I_SYS_SOCKET

```

```

#include <sys/socket.h> /* Might include <sys/bsdtypes.h> */

```

```

#endif

```

```

#endif

```

```

#ifdef I_SYS_TIME

```

```

#include

```

```

<sys/time.h>

```

```

#endif

```

```

#ifdef I_SYS_SELECT

```

```

#include <sys/select.h>

```

```

#endif

```

```

int main() {

```

```

    fd_set fds;

```

```

#ifdef TRYBITS

```

```

    if(fds.fds_bits);

```

```

#endif

```

```

#if defined(FD_SET) && defined(FD_CLR) && defined(FD_ISSET) && defined(FD_ZERO)

```

```

    exit(0);

```

```

#else

```

```

    exit(1);

```

```

#endif

```

```

}

```

```

EOCP

```



```
if $cc $ccflags -DTRYBITS -o fd_set fd_set.c >fd_set.out 2>&1 ; then
d_fds_bits="$define"
d_fd_set="$define"
echo "Well, your system knows about the normal fd_set typedef..." >&4
if ./fd_set; then
echo "and you have the normal fd_set macros (just as I'd expect)." >&4
d_fd_macros="$define"
else
$cat >&4 <<'EOM'
```

but not the normal fd\_set macros! Gaaack! I'll have to cover for you.

EOM

```
d_fd_macros="$undef"
fi
else
$cat <<'EOM'
```

Hmm, your compiler has some difficulty with fd\_set. Checking further...

EOM

```
if $cc $ccflags -o fd_set fd_set.c >fd_set.out 2>&1 ; then
d_fds_bits="$undef"
d_fd_set="$define"
echo "Well, your system has some sort of fd_set available..." >&4
if ./fd_set; then
echo "and you have the
normal fd_set macros." >&4
d_fd_macros="$define"
else
$cat <<'EOM'
```

but not the normal fd\_set macros! Gross! More work for me...

EOM

```
d_fd_macros="$undef"
fi
else
echo "Well, you got zip. That's OK, I can roll my own fd_set stuff." >&4
d_fd_set="$undef"
d_fds_bits="$undef"
d_fd_macros="$undef"
fi
fi
$rm -f fd_set*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_fd_set.U
```

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?RCS: \$Id: Tr.U,v 3.0.1.2 1994/10/29 18:00:54 ram Exp \$

?RCS:

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```

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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Tr.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 18:00:54 ram
?RCS: patch43: forgot to quote $@ to protect against "evil" characters
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:58:35 ram
?RCS: patch36: created
?RCS:
?X:
?X: This unit produces a bit of shell code that must be dotted in in order
?X: to do a character translation. It catches translations to uppercase or
?X: to lowercase, and then invokes the real tr to perform the job.
?X:
?X: This unit is necessary
    on HP machines (HP strikes again!) with non-ascii
?X: ROMAN8-charset, where normal letters are not arranged in a row, so a-z
?X: covers not the whole alphabet but lots of special chars. This was reported
?X: by Andreas Sahlbach <a.sahlbach@tu-bs.de>.
?X:
?X: Units performing a tr '[A-Z]' '[a-z]' or the other way round should include
?X: us in their dependency and use ./tr instead.
?X:
?MAKE:Tr: startsh tr eunicefix
?MAKE: -pick add $@ %<
?F:./tr
?T:up low
: see whether [:lower:] and [:upper:] are supported character classes
echo " "
case ""echo AbyZ | $tr '[:lower:]' '[:upper:]' 2>/dev/null`"-`echo AbyZ | $tr '[:upper:]' '[:lower:]' 2>/dev/null`" in
ABYZ-abyz)
echo "Good, your tr supports [:lower:] and [:upper:] to convert case." >&4
up='[:upper:]'
low='[:lower:]'
;;
*) # There is a discontinuity in EBCDIC between 'R' and 'S'
# (0xd9 and 0xe2), therefore that is a nice testing point.
if test "X$up" = X -o "X$low" = X; then
    case ""echo RS | $tr '[R-S]' '[r-s]' 2>/dev/null`"
in
    rs) up='[A-Z]'
        low='[a-z]'
        ;;

```

```

    esac
fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | $tr R-S r-s 2>/dev/null`" in
        rs) up='A-Z'
            low='a-z'
            ;;
    esac
fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | od -x 2>/dev/null`" in
        *D9E2*|*d9e2*)
            echo "Hey, this might be EBCDIC." >&4
            if test "X$up" = X -o "X$low" = X; then
                case "`echo RS | $tr '[A-IJ-RS-Z]' '[a-ij-rs-z]' 2>/dev/null`" in
                    rs) up='[A-IJ-RS-Z]'
                        low='[a-ij-rs-z]'
                        ;;
                esac
            fi
            if test "X$up" = X -o "X$low" = X; then
                case "`echo RS | $tr A-IJ-RS-Z a-ij-rs-z 2>/dev/null`" in
                    rs) up='A-IJ-RS-Z'
                        low='a-ij-rs-z'
                        ;;
                esac
            fi
            ;;
    esac
fi
if test "X$up" = X -o "X$low" = X; then
    case "`echo RS | $tr \"\$up\" \"\$low\" 2>/dev/null`" in
        rs)
            echo "Using $up and $low to convert case." >&4
            ;;
    *)
        echo "I don't know how to translate letters from upper to lower case." >&4
        echo "Your tr is not acting any way I know of." >&4
        exit 1
        ;;
    esac
:
set up the translation script tr, must be called with ./tr of course
cat >tr <<EOESC
$startsh
case "\$1\$2" in
    '[A-Z][a-z]') exec $tr '$up' '$low';;
    '[a-z][A-Z]') exec $tr '$low' '$up';;

```

```
esac
exec $tr "\$@"
EOSC
chmod +x tr
$eunicefix tr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Tr.U
```

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

#### Perl5 Metaconfig Units

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All rights reserved.

These units are the ones I used to build Configure and config\_h.SH in the Perl5 distribution.

The Configure script and config\_h.SH file in the Perl distribution are generated by a program called metaconfig. To run metaconfig, you will need the full dist 3.0 distribution, maintained by Raphael Manfredi. As of this writing, the current version is dist3.0, patchlevel 70. Dist version dist-3.0@70.tar.gz is available on CPAN (the Comprehensive Perl Archive Network) as <http://www.perl.com/perl/CPAN/authors/id/RAM/dist-3.0@70.tar.gz>.

#### Instructions:

1. Unpack the full perl5 sources. Execute the following command

```
chmod +w Configure config_h.SH Porting/Glossary Porting/config*
```

2. Unpack the archive containing this file in the perl5 source directory. This will create a directory 'U' under the perl5 sources. That directory will contain the metaconfig units for perl5. This will also create two files in the perl5 source tree: MANIFEST.new and .package.
3. Apply any patches to perl in the perl\_patches/ directory. (This may well be empty.)
4. Obtain and install dist-3.0pl70.
4. Apply any patches to dist under the dist\_patches subdirectory.

5. From your main perl5 source directory, run packinit to regenerate the .package file. **IMPORTANT:** Change the name and address of the maintainer to your own name and address. I don't want bug reports intended for you coming to me.
  
6. From your main perl5 source directory, run  
  
metalint (or mlint)  
  
and repair every failure it reports.
  
7. From your main perl5 source directory, run  
  
metaconfig -m (or mconfig -m)
  
8. Edit U/mkglossary and/or U/mkgloss.pl to point to your dist-3.0pl70 location. (See comments at the top.)
  
9. Run the Porting/mksample script to update the contents of the Porting/  
subdirectory, or run all parts by hand. (see README)  
  
NB: this script used to be U/mksample replaced by Porting/mksample; see Porting/pumpkin.pod instead for current documentation on its use.
  
10. Let me know about any changes, corrections, or enhancements.

Things to watch out for:

1. The Configure in 5.005 is a hand-patched version of that supplied with perl5.004\_74 or so. Most of the patches had to do with supporting MPE/iX and EBCDIC systems. I have re-integrated most of the changes back into metaconfig, but I don't really understand why MPE/iX needed some of the patches, so I may have missed something important. I did try to flag questionable changes in the individual units.  
The Configure as generated in the 5.9.x branch leading towards 5.10, is also used exactly as is without changes in the 5.8.x and 5.6.x branches, so do not remove support for features that are available in those branches, but are removed from devel (e.g. perl5005threads).
  
2. Future support of better random number generators should probably start with the randfunc.U unit included here. It's currently broken, but well commented and probably a good place to start.

## Descriptions:

The units and other related files have been broken up into the following directories:

### acl/

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

### compline/

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. I have submitted these for inclusion into the regular dist distribution. (The cflags.U unit is actually perl-specific since it mentions -DDEBUGGING and -DPOSIX\_SOURCE, but that's the only place it is perl-specific.)

### dist\_patches/

These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution.

### modified/

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

### perl/

These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

### perl\_patches/

These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

### protos/

These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes. I have submitted these for inclusion into the regular dist distribution.

### target/

This is the very, very beginning of cross-compiler support. It doesn't work yet, and many standard units will need modification.

typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typedef being searched for exists.) I have submitted these for inclusion into the regular dist distribution.

threads/

These are specific to threading perl.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

- a) the "Artistic License" which comes with Perl, or
- b) the "Artistic License" which comes with dist, or
- c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which

one to use is your choice.

The units in the "modified" directory have been derived from units associated with the metaconfig program of Raphael Manfredi's "dist" distribution. These units list Raphael Manfredi as the Copyright holder. dist is distributed under a modified version of the Perl Artistic License. Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided that you explicitly state where you got them from, in the source code (and, left to your courtesy, in the documentation), duplicating all the associated copyright notices and disclaimers. Besides your changes, if any, must be clearly marked as such. Parts reused that way will no longer fall under this license if, and only if,

the name of your program(s) have no immediate connection with the name of the Package itself or its associated programs. You may then apply whatever restrictions you wish on the reused parts or choose to place them in the Public Domain--this will apply only within the context of your package.

In accordance with this clause, the versions of these units contained here are made available under the same terms as the rest of the units.

If you have any questions about the use of these units or about the differences between these units and the standard versions, please feel free to ask.

Andy Dougherty [doughera@lafayette.edu](mailto:doughera@lafayette.edu)  
Dept. of Physics  
Lafayette College  
Easton, PA 18042-1782

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/README.dist
```

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

```
?RCS: $Id: prefix.U,v 3.1 1999/07/08 18:27:51 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: prefix.U,v $
```

```
?RCS: Revision 3.1 1999/07/08 18:27:51 doughera
```

```
?RCS: 5.005_5x version -- Andy Dougherty
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/01/30 14:44:05 ram
```

```
?RCS: patch49: new prefixexp variable holding a fully expanded prefix
```

```
?RCS: patch49: save off previous prefix value in oldprefix if changed (WED)
```

```
?RCS: patch49: added the INSTALLPREFIX define for C programs to use (WED)
```

```
?RCS:
```

```
?RCS:
```



Revision 3.0.1.1 1994/08/29 16:31:34 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:prefix prefixexp +oldprefix: Getfile Loc Oldconfig cat package

?MAKE: -pick add \$@ %<

?S:prefix:

?S: This variable holds the name of the directory below which the

?S: user will install the package. Usually, this is /usr/local, and

?S: executables go in /usr/local/bin, library stuff in /usr/local/lib,

?S: man pages in /usr/local/man, etc. It is only used to set defaults

?S: for things in bin.U, mansrc.U, privlib.U, or scriptdir.U.

?S:.

?S:prefixexp:

?S: This variable holds the full absolute path of the directory below

?S: which the user will install the package. Derived from prefix.

?S:.

?S:oldprefix:

?S: This variable is set non-null if the prefix was previously defined

?S: and gets set to a new value. Used internally by Configure only.

?S:.

?C:INSTALLPREFIX:

?C: This symbol contains the name of the install prefix for this package.

?C:.

?H:#define INSTALLPREFIX "\$prefix" /\*\*/

?H:.

:

determine root of directory hierarchy where package will be installed.

case "\$prefix" in

")

dflt=`./loc . /usr/local /usr/local /local /opt /usr`

::

\*?/)

dflt=`echo "\$prefix" | sed 's/.//'`

::

\*)

dflt="\$prefix"

::

esac

\$cat <<EOM

By default, \$package will be installed in \$dflt/bin, manual pages under \$dflt/man, etc..., i.e. with \$dflt as prefix for all installation directories. Typically this is something like /usr/local. If you wish to have binaries under /usr/bin but other parts of the installation under /usr/local, that's ok: you will be prompted separately for each of the installation directories, the prefix being only used to set the defaults.

```

EOM
fn=d~
rp='Installation prefix to use?'
./getfile
oldprefix=""
case "$prefix" in
") ;;
*)
case "$ans" in
"$prefix") ;;
*) oldprefix="$prefix";;
esac
;;
esac
prefix="$ans"
prefixexp="$ansexp"

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/prefix.U
```

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

```
?RCS: $Id: nametype.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: nametype.U,v $
```

```
?RCS: Revision 3.0.1.3 1994/10/29 16:26:09 ram
```

```
?RCS: patch36: call ./usg and ./bsd explicitly instead of relying on PATH
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1994/08/29 16:36:48 ram
```

```
?RCS: patch32: fixed typo: /etc/password -> /etc/passwd (WED)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1993/09/13 16:10:09 ram
```

```
?RCS: patch10: made questions more explicit for 'Configure -s' prompting (WAD)
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:09:20 ram
```

```
?RCS: Baseline
```

```
for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:nametype d_passnames d_berknames d_usgnames: Myread Guess Oldconfig cat
```

```
?MAKE: -pick add $@ %<
```

?S:nametype:  
?S: This variable indicates how full names are stored on this system.  
?S: Values are bsd, usg, and other.  
?S:.

?S:d\_passnames:  
?S: This variable conditionally defines the PASSNAMES symbol,  
?S: which indicates to the C program that full names are stored in  
?S: the /etc/passwd file.  
?S:.

?S:d\_berknames:  
?S: This variable conditionally defines the PASSNAMES symbol,  
?S: which indicates to the C program that full names are stored in  
?S: the /etc/passwd file in Berkeley format.  
?S:.

?S:d\_usgnames:  
?S: This variable conditionally defines the PASSNAMES symbol,  
?S: which indicates to the C program that full names are stored in  
?S: the /etc/passwd file in USG format.  
?S:.

?C:PASSNAMES:  
?C: This symbol, if defined, indicates that full names are stored in  
?C: the /etc/passwd file.  
?C:.

?C:BERKNAMES:  
?C: This symbol, if defined, indicates that full  
names are stored in  
?C: the /etc/passwd file in Berkeley format (name first thing, everything  
?C: up to first comma, with & replaced by capitalized login id, yuck).  
?C:.

?C:USGNAMES:  
?C: This symbol, if defined, indicates that full names are stored in  
?C: the /etc/passwd file in USG format (everything after - and before ( is  
?C: the name).  
?C:.

?H:#\$d\_passnames PASSNAMES /\* (undef to take name from ~/.fullname) \*/  
?H:#\$d\_berknames BERKNAMES /\* (that is, ":name,stuff:") \*/  
?H:#\$d\_usgnames USGNAMES /\* (that is, ":stuff-name(stuff):") \*/  
?H:.

: find out how to find out full name  
case "\$d\_berknames" in  
"\$define")  
dflt=y;;  
"\$undef")  
dflt=n;;  
\*)  
if ./bsd; then  
dflt=y  
elif ./xenix; then

```

dflt=y
else
dflt=n
fi
;;
esac
$cat <<'EOM'

```

Does your /etc/passwd file keep full names in Berkeley/V7 format (name first thing after ':' in GCOS field)? In that case, a typical entry in the password file looks like this:

```

guest:**password**:10:100:Mister Guest User:/usr/users:/bin/sh

```

```

^^^^^^^^^^^^^^^^^^^^^^^^

```

```

EOM
rp="Berkeley/V7 format for full name in /etc/passwd?"
./myread
case "$ans" in
y*) d_passnames="$define"
d_berknames="$define"
d_usgnames="$undef"
nametype=bsd
;;
*)
case "$d_usgnames" in
"$define") dflt=y;;
"$undef") dflt=n;;
*)
if ./usg; then
dflt=y
else
dflt=n
fi
;;
esac
$cat <<'EOM'

```

Does your passwd file keep full names in USG format (name sandwiched between a '-' and a '(')? In that case, a typical entry in the password file looks like this:

```

guest:**password**:10:100:000-Mister Guest User(000):/usr/users:/bin/sh

```

```

^^^^^^^^^^^^^^^^^^^^^^^^

```

```

EOM
rp="USG format for full name in /etc/passwd?"
./myread
case "$ans" in

```

```

n*) echo "Full name will be taken from ~/.fullname"
d_passnames="$undef"
d_berknames="$undef"
d_usgnames="$undef"
nametype=other
;;
*)
d_passnames="$define"
d_berknames="$undef"
d_usgnames="$define"
nametype=usg
;;
esac;;
esac

```

Found in path(s):

```

*
/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/nametype.U

```

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

```

?RCS: $Id: d_dup2.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_dup2.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:56 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_dup2: Inlibc
?MAKE: -pick add $@ %<
?S:d_dup2:
?S: This variable conditionally defines HAS_DUP2 if dup2() is
?S: available to duplicate file descriptors.
?S:
?C:HAS_DUP2 (DUP2):
?C: This symbol, if defined, indicates that the dup2 routine is
?C: available to duplicate file descriptors.
?C:
?H:#$d_dup2 HAS_DUP2 /**/
?H:
?LINT:set d_dup2

```

:  
see if dup2 exists  
set dup2 d\_dup2  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_dup2.U

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

?RCS: \$Id: d\_rename.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_rename.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:54 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_rename: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_rename:

?S: This variable conditionally defines the HAS\_RENAME symbol, which

?S: indicates to the C program that the rename() routine is available

?S: to rename files.

?S:.

?C:HAS\_RENAME (RENAME):

?C: This symbol, if defined, indicates that the rename routine is available

?C: to rename files.

Otherwise you should do the unlink(), link(), unlink()

?C: trick.

?C:.

?H:#\$d\_rename HAS\_RENAME /\*\*/

?H:.

?LINT:set d\_rename

: see if rename exists

set rename d\_rename

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_rename.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: prototype.U,v \$

?RCS: Revision 3.0.1.3 1994/05/06 15:11:49 ram

?RCS: patch23: ensure cc flags used when looking for prototype support

?RCS:

?RCS: Revision 3.0.1.2 1994/01/24 14:15:36 ram

?RCS: patch16: prototype handling macros now appear only when needed

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:03:12 ram

?RCS: patch6: defines were referring to non-existent VOID symbol

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:36 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:prototype:

Myread Oldconfig cat +cc +ccflags rm Setvar

?MAKE: -pick add \$@ %<

?S:prototype:

?S: This variable holds the eventual value of CAN\_PROTOTYPE, which

?S: indicates the C compiler can handle function prototypes.

?S:.

?C:CAN\_PROTOTYPE ~ %<:

?C: If defined, this macro indicates that the C compiler can handle

?C: function prototypes.

?C:.

?C:DOTS:

?C: This macro is used to specify the ... in function prototypes which

?C: have arbitrary additional arguments.

?C:.

?C:NXT\_ARG:

?C: This macro is used to separate arguments in the declared argument list.

?C:.

?C:P\_FUNC:

?C: This macro is used to declare "private" (static) functions.

?C: It takes three arguments: the function type and name, a parenthesized

?C: traditional (comma separated) argument list, and the declared argument

?C: list (in which arguments are separated with NXT\_ARG, and additional

?C: arbitrary arguments are specified with DOTS). For example:

?C:

?C: P\_FUNC(int foo, (bar, baz), int bar NXT\_ARG char \*baz[])

?C:.

?C:P\_FUNC\_VOID:

?C: This macro is used to declare "private" (static) functions that have no arguments. The macro takes one argument: the function type and name.

?C: For example:

?C:

?C: P\_FUNC\_VOID(int subr)

?C:.

?C:V\_FUNC:

?C: This macro is used to declare "public" (non-static) functions. It takes three arguments: the function type and name, a parenthesized traditional (comma separated) argument list, and the declared argument list (in which arguments are separated with NXT\_ARG, and additional arbitrary arguments are specified with DOTS). For example:

?C:

?C: V\_FUNC(int main, (argc, argv), int argc NXT\_ARG char \*argv[])

?C:.

?C:V\_FUNC\_VOID:

?C: This macro is used to declare "public" (non-static) functions that have no arguments. The macro takes one argument: the function type and name.

?C: For example:

?C:

?C: V\_FUNC\_VOID(int fork)

?C:.

?C:\_(P):

?C: This macro is used to declare function parameters for folks who want to make declarations with prototypes using a different style than the above macros. Use double parentheses. For example:

?C:

?C: int main \_((int argc, char \*argv[]));

?C:.

?H:%<:#\$prototype CAN\_PROTOTYPE /\*\*/

?H:%<:#ifdef CAN\_PROTOTYPE

?H:%NXT\_ARG:#define NXT\_ARG ,

?H:%DOTS:#define DOTS , ...

?H:%V\_FUNC:#define V\_FUNC(name, arglist, args)name(args)

?H:%P\_FUNC:#define P\_FUNC(name, arglist, args)static name(args)

?H:%V\_FUNC\_VOID:#define V\_FUNC\_VOID(name)name(void)

?H:%P\_FUNC\_VOID:#define P\_FUNC\_VOID(name)static name(void)

?H:%?:#define \_(args) args

?H:%<:#else

?H:%NXT\_ARG:#define NXT\_ARG ;

?H:%DOTS:#define DOTS



```

?H:?V_FUNC:#define V_FUNC(name, arglist, args)name arglist args;
?H:?P_FUNC:#define P_FUNC(name, arglist, args)static name arglist args;
?H:?V_FUNC_VOID:#define V_FUNC_VOID(name)name()
?H:?P_FUNC_VOID:#define P_FUNC_VOID(name)static name()
?H:?_:#define _(args) ()
?H:?%<:#endif
?H:.
?W:%<:NXT_ARG DOTS V_FUNC P_FUNC V_FUNC_VOID P_FUNC_VOID _
?LINT:set prototype
: Cruising for prototypes
echo " "
echo "Checking out
function prototypes..." >&4
$cat >prototype.c <<'EOCP'
int main(int argc, char *argv[]) {
    exit(0);}
EOCP
if $cc $ccflags -c prototype.c >prototype.out 2>&1 ; then
    echo "Your C compiler appears to support function prototypes."
    val="$define"
else
    echo "Your C compiler doesn't seem to understand function prototypes."
    val="$undef"
fi
set prototype
eval $setvar
$rm -f prototype*

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/prototype.U

```

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```

case $CONFIG in
")
    if test -f config.sh; then TOP=.;
    elif test -f ../config.sh; then TOP=..;
    elif test -f ../../config.sh; then TOP=../../;
    elif test -f ../../../config.sh; then TOP=../../../;
    elif test -f ../../../../config.sh; then TOP=../../../../;
    else
        echo "Can't find config.sh."; exit 1
    fi
    . $TOP/config.sh
;;
esac
case "$0" in
*/*) cd `expr X$0 : 'X\(.*/)'` ;;

```

```

esac
echo "Extracting makedepend (with variable substitutions)"
$spitshell >makedepend <<!GROK!THIS!
$startsh
# $Id: makedepend.sh,v 3.0.1.1 1994/01/24 14:00:05 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
# You may redistribute only under the terms of the Artistic Licence,
# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
#
Original Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedepend.sh,v $
# Revision 3.0.1.1 1994/01/24 14:00:05 ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0 1993/08/18 12:04:37 ram
# Baseline for dist 3.0 netwide release.
#

export PATH || (echo "OOPS, this isn't sh. Desperation time. I will feed myself to sh."; sh \${0}; kill \${0})

cat='$cat'
cppflags='$cppflags'
cp='$cp'
cpp='$cppstdin'
echo='$echo'
egrep='$egrep'
expr='$expr'
mv='$mv'
rm='$rm'
sed='$sed'
sort='$sort'
test='$test'
tr='$tr'
uniq='$uniq'
!GROK!THIS!

$spitshell >>makedepend <<!NO!SUBS!

$cat /dev/null >.deptmp
$rm -f *.c.c c/*.*.c.c
if test -f Makefile; then

```

```

mf=Makefile
else
mf=makefile
fi
if test -f $mf; then
  defrule=`<$mf sed -n \
-e '/^\c.o:.*;/' \
-e 's/^\c.c/' \
-e 's/^[^;]*[ ]*/p' \
-e q \
-e }' \
-e '/^\c.o: *$/' \
-e N \
-e 's/^\c.c/' \
-e 's/^\n[ ]*/p' \
-e q \
-e }`
fi
case
"$defrule" in
") defrule='$(CC) -c $(CFLAGS)' ;;
esac

make clist || ($echo "Searching for .c files..."; \
$echo *.c | $tr ' ' '\012' | $egrep -v '*' >.clist)
gotnone=true
for file in `scat .clist`; do
# for file in `cat /dev/null`; do
  case "$file" in
*.c) filebase=`basename $file .c` ;;
*.y) filebase=`basename $file .c` ;;
") continue ;;
esac
gotnone=false
$echo "Finding dependencies for $filebase.o."
$sed -n <$file >$file.c \
-e "/^${filebase}_init(/q" \
-e '/^#/' \
-e 's/^\*.*$' \
-e 's\\$' \
-e p \
-e }'
$cpp -I/usr/local/include -I. $cppflags $file.c | \
$sed \
-e '/^# *[0-9]/!d' \
-e 's/^\*(.*)".*"/$filebase'.o: \1' \
-e 's: \./: |' \
-e 's|\c.c|c'| \

```

```

$uniq | $sort | $uniq >> .deptmp
done

$sed <Makefile >Makefile.new -e '1,/^# AUTOMATICALLY/!d'

make shlist || ($echo "Searching for .SH files..."; \
$echo *.SH | $tr ' ' '\012' | $egrep -v '*' >.shlist)
if $gotnone || $test -s .deptmp; then

  for file in `cat .shlist`; do
    $echo `expr X$file : 'X\(.*)\.SH` : $file config.sh \; \
      /bin/sh $file >> .deptmp
    done
    $echo "Updating Makefile..."
    $echo "# If this runs make out of memory, delete /usr/include lines." \
  >> Makefile.new
    $sed 's/^\(.*\o:\) *(.*\c) *$|1 \2; ""$defrule \2|" .deptmp \
      >>Makefile.new
  else
    make hlist || ($echo "Searching for .h files..."; \
$echo *.h | $tr ' ' '\012' | $egrep -v '*' >.hlist)
    $echo "You don't seem to have a proper C preprocessor. Using grep instead."
    $grep '^#include ' `cat .clist` `cat .hlist` >.deptmp
    $echo "Updating Makefile..."
    <.clist $sed -n \
-e '/{/ \
-e 's/^\(.*\)\(.*\)\c\2.o: \1\2.c; ""$defrule \1\2.c|p' \
-e d \
-e '}' \
-e 's/^\(.*\)\c\1.o: \1.c|p' >> Makefile.new
    <.hlist $sed -n 's/^\(.*\)\(.*\)|s= \2= \1\2=|p' >.hsed
    <.deptmp $sed -n 's|c:#include "\(.*)".*${o: \1|p' | \
      $sed 's/^[^;]*//|' | \
      $sed -f
    .hsed >> Makefile.new
    <.deptmp $sed -n 's|c:#include <\(.*)>.*${o: /usr/include\1|p' \
      >> Makefile.new
    <.deptmp $sed -n 's|h:#include "\(.*)".*${h: \1|p' | \
      $sed -f .hsed >> Makefile.new
    <.deptmp $sed -n 's|h:#include <\(.*)>.*${h: /usr/include\1|p' \
      >> Makefile.new
  for file in `cat .shlist`; do
    $echo `expr X$file : 'X\(.*)\.SH` : $file config.sh \; \
      /bin/sh $file >> Makefile.new
    done
  fi
  $rm -f Makefile.old
  $cp Makefile Makefile.old

```

```
$cp Makefile.new Makefile
$rm Makefile.new
$echo "# WARNING: Put nothing here or make depend will gobble it up!" >> Makefile
$rm -f .deptmp `sed 's/\./c/' .clist` .shlist .clist .hlist .hsed
```

```
!NO!SUBS!
$unicefix makedepend
chmod +x makedepend
case `pwd` in
*SH)
    $rm -f ./makedepend
    ln makedepend ./makedepend
    ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/makedepend.SH
```

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```
?RCS: $Id: d_ctermid_r.U,v ORCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_ctermid_r ctermid_r_proto: Inlibc Protochk Hasproto i_systypes \
    usethreads extern_C
?MAKE: -pick add $@ %<
?S:d_ctermid_r:
?S: This variable conditionally defines the HAS_CTERMID_R symbol,
?S: which indicates to the C program that the ctermid_r()
?S: routine is available.
?S:.
?S:ctermid_r_proto:
?S: This variable encodes the prototype of ctermid_r.
?S: It is zero if d_ctermid_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ctermid_r
?S: is defined.
?S:.
?C:HAS_CTERMID_R:
?C: This symbol, if defined, indicates that the ctermid_r routine
?C: is available to ctermid re-entrantly.
?C:.
?C:CTERMID_R_PROTO:
?C: This
```

```

symbol encodes the prototype of ctermid_r.
?C: It is zero if d_ctermid_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ctermid_r
?C: is defined.
?C:.
?H:#$d_ctermid_r HAS_CTERMID_R /**/
?H:#define CTERMID_R_PROTO $ctermid_r_proto /**/
?H:.
?T:try hdrs d_ctermid_r_proto
: see if ctermid_r exists
set ctermid_r d_ctermid_r
eval $inlibc
case "$d_ctermid_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h "
case "$d_ctermid_r_proto:$susetheads" in
":define") d_ctermid_r_proto=define
set d_ctermid_r_proto ctermid_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_ctermid_r_proto" in
define)
case "$ctermid_r_proto" in
"|0) try='char* ctermid_r(char*);'
./protochk "$sextern_C $try" $hdrs && ctermid_r_proto=B_B ;;
esac
case "$ctermid_r_proto" in
"|0) d_ctermid_r=undef
ctermid_r_proto=0
echo "Disabling ctermid_r, cannot determine prototype." >&4 ;;
* ) case "$ctermid_r_proto" in
REENTRANT_PROTO*) ;;
*)
ctermid_r_proto="REENTRANT_PROTO_$ctermid_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetheads" in
define) echo "ctermid_r has no prototype, not using it." >&4 ;;
esac
d_ctermid_r=undef
ctermid_r_proto=0
;;
esac
;;
*) ctermid_r_proto=0

```

```
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_ctermid_r.U
```

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_portable.U,v \$

?RCS: Revision 3.0.1.2 1995/01/11 15:28:52 ram

?RCS: patch45: executable path stripping moved to the end in Config\_sh.U

?RCS:

?RCS: Revision 3.0.1.1 1993/12/15 08:21:17 ram

?RCS: patch15: did not strip variables properly when needed

?RCS: patch15: now also strips down variables from trylist

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:48 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The Loc unit is wanted to get the definition of all the locating variables.

?X:

?MAKE:d\_portable:

```
cat Loc Myread Oldconfig
```

?MAKE: -pick add \$@ %<

?S:d\_portable:

?S: This variable conditionally defines the PORTABLE symbol, which

?S: indicates to the C program that it should not assume that it is

?S: running on the machine it was compiled on.

?S:.

?C:PORTABLE:

?C: This symbol, if defined, indicates to the C program that it should

?C: not assume that it is running on the machine it was compiled on.

?C: The program should be prepared to look up the host name, translate

?C: generic filenames, use PATH, etc.

?C:.

?H:#\$d\_portable PORTABLE /\*\*/

?H:.

```
?D:d_portable="
: decide how portable to be
case "$d_portable" in
"$define") dflt=y;;
*) dflt=n;;
esac
$cat <<'EOH'
```

I can set things up so that your shell scripts and binaries are more portable, at what may be a noticable cost in performance. In particular, if you ask to be portable, the following happens:

- 1) Shell scripts will rely on the PATH variable rather than using the paths derived above.
  - 2) ~username interpretations will be done at run time rather than by Configure.
- ```
@if PHOSTNAME
3) The system name will be determined at run time, if at all possible.
@end
```

```
EOH
rp="Do you expect to run these scripts and binaries on multiple machines?"
./myread
case "$ans" in
y*) d_portable="$define"
?X:
?X: Paths will be stripped down (/usr/bin/vi -> vi) in Config_sh.U if needed.
?X:
;;
*) d_portable="$undef" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_portable.U
```

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```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
```



?RCS: \$Log: d\_memchr.U,v \$  
 ?RCS: Revision 3.0 1993/08/18 12:06:32 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?MAKE:d\_memchr: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_memchr:  
 ?S: This variable conditionally defines the HAS\_MEMCHR symbol, which  
 ?S: indicates to the C program that the memchr() routine is available  
 ?S: to scan a block of memory for a character.  
 ?S:.  
 ?C:HAS\_MEMCHR:  
 ?C: This symbol, if defined, indicates that the memchr routine is available  
 ?C: to scan a block of memory for a character.  
 If undefined, roll your own.  
 ?C:.  
 ?H:#\$d\_memchr HAS\_MEMCHR /\*\*/  
 ?H:.  
 ?LINT:set d\_memchr  
 : see if memchr exists  
 set memchr d\_memchr  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memchr.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_nextafter: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nextafter:

?S: This variable conditionally defines HAS\_NEXTAFTER if nextafter()

?S: is available to return the next machine representable double from

?S: x in direction y.

?S:.

?C:HAS\_NEXTAFTER:

?C: This symbol, if defined, indicates that the nextafter routine is

?C: available to return the next machine representable double from

?C: x in direction y.

?C:.

?H:#\$d\_nextafter HAS\_NEXTAFTER /\*\*/  
 ?H:.

?LINT:set d\_nextafter

: see if nextafter exists

set nextafter d\_nextafter

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nextafter.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_rint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_rint:

?S: This variable conditionally defines the HAS\_RINT symbol, which

?S: indicates to the C program that the rint() routine is available.

?S:.

?C:HAS\_RINT:

?C: This symbol, if defined, indicates that the rint routine is

?C: available to return the nearest integral value to x as double

?C: using the current rounding mode.

?C:.

?H:#\$d\_rint HAS\_RINT /\*\*/

?H:.

?LINT:set d\_rint

: see if rint exists

set rint d\_rint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_rint.U

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

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: yacc.U,v \$

?RCS: Revision 3.0.1.1 1994/05/13 15:28:48 ram

?RCS: patch27: added byacc as another alternative (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:10:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:yacc yaccflags: Guess Myread Loc Oldconfig yacc bison cat test

?MAKE: -pick add \$@ %<

?S:yacc:

?S: This variable holds the name of the compiler compiler we

?S: want to use in the Makefile. It can be yacc, yacc, or bison -y.

?S:.

?S:yaccflags:

?S: This variable contains any

additional yacc flags desired by the

?S: user. It is up to the Makefile to use this.

?S:.

?T:comp

: determine compiler compiler

echo " "

comp='yacc'

if \$test -f "\$byacc\$\_exe"; then

comp="byacc or \$comp"

fi

if \$test -f "\$bison\$\_exe"; then

comp="\$comp or bison -y"

fi

case "\$yacc" in

)

yacc=`./loc yacc yacc \$pth`

if \$test -f "\$yacc\$\_exe"; then

dflt='yacc'

elif \$test -f "\$byacc\$\_exe"; then

dflt='byacc'

elif \$test -f "\$bison\$\_exe"; then

dflt='bison'

else

dflt=""

fi

::

\*) dflt="\$yacc";;

esac

rp="Which compiler compiler (\$comp) shall I use?"

./myread

yacc="\$ans"

case "\$yacc" in

\*bis\*)

case "\$yacc" in

\*-y\*) ;;

\*)

yacc="\$yacc -y"

echo "(Adding -y option to bison to get yacc-compatible behaviour.)"

```
;;
esac
;;
esac
```

```
@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH
```

Your yacc program may need extra flags to normally process the parser sources. Do NOT specify any -d or -v flags here, since those are explicitly known by the various Makefiles. However, if your machine has strange/undocumented options (like -Sr# on SCO to specify the maximum number of grammar rules), then please add them here. To use no flags, specify the word "none".

```
EOH
rp="Any additional yacc flags?"
./myread
case "$ans" in
none) yaccflags="";;
*) yaccflags="$ans";;
esac
```

```
@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/yacc.U
```

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```
?RCS: $Id: Loc_sed.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?X: This is used in perl.c.
```

```
?MAKE:full_sed: sed
```

?MAKE: -pick add \$@ %<  
?S:full\_sed:  
?S: This variable contains the full pathname to 'sed', whether or  
?S: not the user has specified 'portability'. This is only used  
?S: in the compiled C program, and we assume that all systems which  
?S: can share this executable will have the same full pathname to  
?S: 'sed.'  
?S:.  
?X: Yes, I know about the C symbol PORTABLE, but I think sed  
?X: is  
unlikely to move, and I'm too lazy to add all the  
?X: #ifdef PORTABLE sections to the perl source.  
?X:  
?C:LOC\_SED:  
?C: This symbol holds the complete pathname to the sed program.  
?C:.  
?H:#define LOC\_SED "\$full\_sed" /\*\*/  
?H:.  
: Store the full pathname to the sed program for use in the C program  
full\_sed=\$sed

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Loc\_sed.U

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

?RCS: \$Id: d\_setregid.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_setregid.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setregid d\_setresgid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setregid:  
?S: This variable conditionally defines HAS\_SETREGID if setregid() is  
?S: available to change the real and effective gid of the current  
?S: process.  
?S:.  
?S:d\_setresgid:

?S: This variable conditionally defines HAS\_SETRESGID if setresgid() is

?S: available to change

the real, effective and saved gid of the current

?S: process.

?S:.

?C:HAS\_SETREGID (SETREGID):

?C: This symbol, if defined, indicates that the setregid routine is

?C: available to change the real and effective gid of the current

?C: process.

?C:.

?C:HAS\_SETRESGID (SETRESGID):

?C: This symbol, if defined, indicates that the setresgid routine is

?C: available to change the real, effective and saved gid of the current

?C: process.

?C:.

?H:#\$d\_setregid HAS\_SETREGID /\*\*/

?H:#\$d\_setresgid HAS\_SETRESGID /\*\*/

?H:.

?LINT: set d\_setregid d\_setresgid

: see if setregid exists

set setregid d\_setregid

eval \$inlibc

set setresgid d\_setresgid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setregid.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_ilogb: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ilogb:

?S: This variable conditionally defines the HAS\_ILOGB symbol, which

?S: indicates to the C program that the ilogb() routine is available

?S: for extracting the exponent of double x as a signed integer.

?S:.

?C:HAS\_ILOGB:

?C: This symbol, if defined, indicates that the ilogb routine is

?C: available to get integer exponent of a floating-point value.

?C:.

?H:#\$d\_ilogb HAS\_ILOGB /\*\*/

?H:.

?LINT:set d\_ilogb

: see if ilogb exists

```
set ilogb d_ilogb
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_ilogb.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the WRITEME file.

?RCS:

?MAKE:d\_writev: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_writev:

?S: This variable conditionally defines the HAS\_WRITEV symbol, which

?S: indicates to the C program that the writev() routine is available.

?S:.

?C:HAS\_WRITEV:

?C: This symbol, if defined, indicates that the writev routine is

?C: available to do scatter writes.

?C:.

?H:#\$d\_writev HAS\_WRITEV /\*\*/

?H:.

?LINT:set d\_writev

: see if writev exists

set writev d\_writev

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_writev.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_isnanl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_isnanl:

?S: This variable conditionally defines the HAS\_ISNANL symbol, which

?S: indicates to the C program that the isnanl() routine is available.

?S:.

?C:HAS\_ISNANL:

?C: This symbol, if defined, indicates that the isnanl routine is

?C: available to check whether a long double is a NaN.

?C:.

?H:#\$d\_isnanl HAS\_ISNANL /\*\*/

?H:.

?LINT:set d\_isnanl

: see if isnanl exists

set isnanl d\_isnanl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isnanl.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: Ins.U,v \$

?RCS: Revision 3.0.1.1 1994/06/20 07:05:52 ram

?RCS: patch30: created by ADO

?RCS:

?X:

?X: This unit checks whether symbolic links are really supported.

?X: We can't rely on d\_symlink because that may be listed in the

?X: C library but unimplemented.

?X:

?MAKE:lns: ln rm touch test

?MAKE: -pick add \$@ %<

?S:lns:

?S: This variable holds the name of the command to make

?S: symbolic links (if they are supported).

It can be used

?S: in the Makefile. It is either 'ln -s' or 'ln'

?S:.

: determine whether symbolic links are supported



```

echo " "
$rm -f blurfl sym
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 && $test -f sym; then
echo "Symbolic links are supported." >&4
lns="$ln -s"
else
echo "Symbolic links are NOT supported." >&4
lns="$ln"
fi
$rm -f blurfl sym

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lns.U
```

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

```

?RCS: $Id: d_itimer.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_itimer.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:25 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_itimer: Inlibc
?MAKE: -pick add $@ %<
?S:d_itimer:
?S: This variable conditionally defines the HAS_ITIMER symbol, which
?S: indicates that the setitimer() routine exists. The setitimer()
?S: routine supports sub-second accuracy for one real-time and two
?S: cpu clocks.
?S:
?C:HAS_ITIMER (ITIMER):
?C: This symbol, if defined, indicates
?C: that the setitimer() routine exists.
?C:
?H:#$d_itimer HAS_ITIMER /**/
?H:
?LINT:set d_itimer
: see if setitimer exists
set setitimer d_itimer

```

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_itimer.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_grp.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:20 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_grp: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_grp:

?S: This variable conditionally defines the I\_GRP symbol, and indicates

?S: whether a C program should include <grp.h>.

?S:.

?C:I\_GRP:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <grp.h>.

?C:.

?H:#\$i\_grp I\_GRP /\*\*/

?H:.

?LINT:set i\_grp

: see if this is an grp system

set grp.h i\_grp

eval \$inhdr

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_grp.U

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

?RCS: \$Id: Hasproto.U \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?X: This unit generates a \$hasproto string that is used internally

?X: by Configure to check if this system has a prototype for a

?X: particular function

?X:

?X: To use it, say something like:

?X: set d\_getnetent\_proto getnetent \$i\_netdb netdb.h

?X: eval \$hasproto

?X: Or, for more complicated sets of headers, do something like

?X: hdrs="\$define sys/types.h

?X: \$i\_systime sys/time.h

?X: \$i\_sysselect sys/select.h

?X: \$i\_netdb netdb.h"

?X: set d\_getnetent\_proto getnetent \$hdrs

?X: eval \$hasproto

?X:

?X: There is also an 'escape' hatch built in. If you have a pair

?X: of args 'literal 'stuff' then 'stuff' gets included literally

?X: into the test program. See Protochk.U for more details.

?X:

?MAKE:Hasproto:

Setvar cppstdin cppflags cppminus contains rm\_try test

?MAKE: -pick add \$@ %<

?T:func varname

?F:!try.c

?V:hasproto

: Define hasproto macro for Configure internal use

hasproto='varname=\$1; func=\$2; shift; shift;

while \$test \$# -ge 2; do

case "\$1" in

\$define) echo "#include <\$2>;";

literal) echo "\$2" ;;

esac ;

shift 2;

done > try.c;

\$cppstdin \$cppflags \$cppminus < try.c > tryout.c 2>/dev/null;

if \$contains "\$func.\*( " tryout.c >/dev/null 2>&1; then

echo "\$func() prototype found.";

val="\$define";

else

echo "\$func() prototype NOT found.";

val="\$undef";

fi;

set \$varname;

eval \$setvar;

\$rm\_try tryout.c'

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Hasproto.U
```

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

?RCS: \$Id: d\_getlogin\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getlogin\_r getlogin\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_unistd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getlogin\_r:

?S: This variable conditionally defines the HAS\_GETLOGIN\_R symbol,

?S: which indicates to the C program that the getlogin\_r()

?S: routine is available.

?S:.

?S:getlogin\_r\_proto:

?S: This variable encodes the prototype of getlogin\_r.

?S: It is zero if d\_getlogin\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getlogin\_r

?S: is defined.

?S:.

?C:HAS\_GETLOGIN\_R:

?C: This symbol, if defined, indicates that the getlogin\_r routine

?C: is available

to getlogin re-entrantly.

?C:.

?C:GETLOGIN\_R\_PROTO:

?C: This symbol encodes the prototype of getlogin\_r.

?C: It is zero if d\_getlogin\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getlogin\_r

?C: is defined.

?C:.

?H:#\$d\_getlogin\_r HAS\_GETLOGIN\_R /\*\*/

?H:#define GETLOGIN\_R\_PROTO \$getlogin\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getlogin\_r\_proto

: see if getlogin\_r exists

set getlogin\_r d\_getlogin\_r

eval \$inlibc

case "\$d\_getlogin\_r" in

"\$define")

```

hdrs="$i_systypes sys/types.h define stdio.h $i_unistd unistd.h"
case "$d_getlogin_r_proto:$usethreads" in
":define") d_getlogin_r_proto=define
set d_getlogin_r_proto getlogin_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getlogin_r_proto" in
define)
case "$getlogin_r_proto" in
"|0) try='int getlogin_r(char*, size_t);'
./prochck "$sextern_C $try" $hdrs && getlogin_r_proto=I_BW ;;
esac
case "$getlogin_r_proto" in
"|0) try='int getlogin_r(char*, int);'
./prochck "$sextern_C $try" $hdrs && getlogin_r_proto=I_BI
;;
esac
case "$getlogin_r_proto" in
"|0) try='char* getlogin_r(char*, size_t);'
./prochck "$sextern_C $try" $hdrs && getlogin_r_proto=B_BW ;;
esac
case "$getlogin_r_proto" in
"|0) try='char* getlogin_r(char*, int);'
./prochck "$sextern_C $try" $hdrs && getlogin_r_proto=B_BI ;;
esac
case "$getlogin_r_proto" in
"|0) d_getlogin_r=undef
getlogin_r_proto=0
echo "Disabling getlogin_r, cannot determine prototype." >&4 ;;
* ) case "$getlogin_r_proto" in
REENTRANT_PROTO*) ;;
*) getlogin_r_proto="REENTRANT_PROTO_$getlogin_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getlogin_r has no prototype, not using it." >&4 ;;
esac
d_getlogin_r=undef
getlogin_r_proto=0
;;
esac
;;
*) getlogin_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getlogin_r.U
```

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

```
?RCS: $Id: Extras.U,v$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2001, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:extras: Myread Oldconfig Setvar rm
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:extras:
```

```
?S: This variable holds a list of extra modules to install.
```

```
?S:.
```

```
: See if we want extra modules installed
```

```
echo " "
```

```
case "$extras" in
```

```
) dflt='n';;
```

```
*) dflt='y';;
```

```
esac
```

```
cat <<EOM
```

Perl can be built with extra modules or bundles of modules which will be fetched from the CPAN and installed alongside Perl.

Notice that you will need access to the CPAN; either via the Internet, or a local copy, for example a CD-ROM or a local CPAN mirror. (You will be asked later to configure the CPAN.pm module which will in turn do the installation of the rest of the extra modules or bundles.)

Notice also that if the modules require any external software such as libraries and headers (the libz library and the zlib.h header for the Compress::Zlib module, for example) you MUST have any such software already installed, this configuration process will NOT install such things for you.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```
EOM
```

```
rp='Install any extra modules (y or n)?'
```

```
./myread
```

```
case "$ans" in
```

```
y|Y)
```

```
cat <<EOM
```

Please list any extra modules or bundles to be installed from CPAN, with spaces between the names. The names can be in any format the 'install' command of CPAN.pm will understand. (Answer 'none', without the quotes, to install no extra modules or bundles.)

EOM

```
rp='Extras?'
dflt="$extras"
. ./myread
extras="$sans"
esac
case "$extras" in
'|none')
val=""
$rm -f ../extras.lst
;;
*) echo "(Saving the list of extras for later...)"
echo "$extras" > ../extras.lst
val="$extras"
;;
esac
set extras
eval $setvar
echo " "
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Extras.U
```

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

?RCS: \$Id: d\_strerror\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_strerror\_r strerror\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads extern\_C

?MAKE: -pick add \$@ %<

?S:d\_strerror\_r:

?S: This variable conditionally defines the HAS\_STRError\_R symbol,

?S: which indicates to the C program that the strerror\_r()

?S: routine is available.

?S:.

?S:stderr\_r\_proto:

?S: This variable encodes the prototype of strerror\_r.

?S: It is zero if d\_strerror\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_strerror\_r

?S: is defined.

?S:.

?C:HAS\_STRERROR\_R:

?C: This symbol, if defined, indicates that the strerror\_r routine

?C: is available to strerror

re-entrantly.

?C:.

?C:STRERROR\_R\_PROTO:

?C: This symbol encodes the prototype of strerror\_r.

?C: It is zero if d\_strerror\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_strerror\_r

?C: is defined.

?C:.

?H:#\$d\_strerror\_r HAS\_STRERROR\_R /\*\*/

?H:#define STRERROR\_R\_PROTO \$strerror\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_strerror\_r\_proto

: see if strerror\_r exists

set strerror\_r d\_strerror\_r

eval \$inlibc

case "\$d\_strerror\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h define string.h"

case "\$d\_strerror\_r\_proto:\$usethreads" in

":define") d\_strerror\_r\_proto=define

set d\_strerror\_r\_proto strerror\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_strerror\_r\_proto" in

define)

case "\$strerror\_r\_proto" in

"|0) try='int strerror\_r(int, char\*, size\_t);'

./protochk "\$extern\_C \$try" \$hdrs && strerror\_r\_proto=I\_IBW ;;

esac

case "\$strerror\_r\_proto" in

"|0) try='int strerror\_r(int, char\*, int);'

./protochk "\$extern\_C \$try" \$hdrs && strerror\_r\_proto=I\_IBI

;;

esac

case "\$strerror\_r\_proto" in

"|0) try='char\* strerror\_r(int, char\*, size\_t);'

./protochk "\$extern\_C \$try" \$hdrs && strerror\_r\_proto=B\_IBW ;;

esac

case "\$strerror\_r\_proto" in

"|0) d\_strerror\_r=undef



```

strerror_r_proto=0
echo "Disabling strerror_r, cannot determine prototype." >&4 ;;
*) case "$strerror_r_proto" in
REENTRANT_PROTO*) ;;
*) strerror_r_proto="REENTRANT_PROTO_${strerror_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "strerror_r has no prototype, not using it." >&4 ;;
esac
d_strerror_r=undef
strerror_r_proto=0
;;
esac
;;
*) strerror_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_strerror_r.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libc.U,v \$

?RCS: Revision 3.0.1.10 1997/02/28 15:56:48 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: added support for HPUX-10 nm output

?RCS:

?RCS: Revision 3.0.1.9 1995/07/25 14:11:56 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.8 1995/05/12 12:20:47 ram

?RCS: patch54: made sure only most recent version of shared lib is picked

?RCS: patch54: final "nm -p" check now uses xscan and xrun like everybody

?RCS: patch54: can now grok

linux nm output with lead \_\_IO (ADO)

?RCS: patch54: added support for linux ELF output, using 'W' for alias (ADO)

?RCS:

?RCS: Revision 3.0.1.7 1994/10/29 16:23:40 ram

?RCS: patch36: now looks for shared libraries before anything else (ADO)

?RCS: patch36: added new nm output format (ADO)

?RCS:

?RCS: Revision 3.0.1.6 1994/08/29 16:28:10 ram

?RCS: patch32: added I-type symbols for nm output parsing on Linux

?RCS:

?RCS: Revision 3.0.1.5 1994/06/20 07:03:24 ram

?RCS: patch30: checks are now presented by succession of if/elif

?RCS: patch30: uniformized checks for shared objects with new so symbol

?RCS:

?RCS: Revision 3.0.1.4 1994/05/06 15:06:33 ram

?RCS: patch23: added shared library knowledge (ADO and WED)

?RCS:

?RCS: Revision 3.0.1.3 1994/01/24 14:12:17 ram

?RCS: patch16: can now export nm\_extract as an internal-use only variable

?RCS:

?RCS: Revision 3.0.1.2 1993/09/13 16:09:03 ram

?RCS: patch10: added special handling for Apollo systems (WAD)

?RCS:

?RCS: Revision 3.0.1.1

1993/08/27 14:40:03 ram

?RCS: patch7: added entry for /usr/shlib/libc.so (OSF/1 machines)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:libc libnames +nm\_extract: echo n c rm test grep Getfile Myread \  
 Oldconfig Loc sed libs incpath libpth ar runnm nm nm\_opt nm\_so\_opt \  
 contains xlibpth so osname trnl tr sort uniq \_o \_a

?MAKE: -pick add \$@ %<

?S:libc:

?S: This variable contains the location of the C library.

?S:.

?S:libnames:

?S: The constructed list of library names. Normally empty, but hint files

?S: may set this for later perusal by Configure.

?S:.

?S:nm\_extract:

?S: This variable holds the name of the extraction command used to process

?S: the output of nm and yield the list of defined symbols. It is used

?S: internally by Configure.

?S:.

?T:thislib try libnames xxx xscan xrun thisname com tans file

?F:!libnames !libc.tmp !tmp.imp

```

?LINT:change nm_opt runnm
?INIT:libnames=""
: Figure out where the libc is located
case
"$runnm" in
true)
?X: indentation is wrong on purpose--RAM
: get list of predefined functions in a handy place
echo " "
case "$libc" in
") libc=unknown
case "$libs" in
*-lc_s*) libc=`./loc libc_s$_a $libc $libpth`
esac
;;
esac
case "$libs" in
") ;;
*) for thislib in $libs; do
case "$thislib" in
-lc|-lc_s)
: Handle C library specially below.
;;
-l*)
thislib=`echo $thislib | $sed -e 's/^-l//`
if try=`./loc lib$thislib.$so.*' X $libpth`; $test -f "$try"; then
:
elif try=`./loc lib$thislib.$so X $libpth`; $test -f "$try"; then
:
elif try=`./loc lib$thislib$_a X $libpth`; $test -f "$try"; then
:
elif try=`./loc $thislib$_a X $libpth`; $test -f "$try"; then
:
elif try=`./loc lib$thislib X $libpth`; $test -f "$try"; then
:
elif try=`./loc $thislib X $libpth`; $test -f "$try"; then
:
elif try=`./loc $lib$thislib$_a X $libpth`; $test -f "$try"; then
:
else
try=""
fi
libnames="$libnames $try"
;;
*) libnames="$libnames $thislib"
;;
esac
done

```

```

;;
esac
?X:
?X: Some systems (e.g. DG/UX) use "environmental" links, which make the test
?X: -f fail. Ditto for symbolic links. So in order to reliably check the
?X: existence of a file, we use test -r. It will still fail with DG/UX links
?X: though, but at least it will detect symbolic links. At some strategic
?X: points, we make use of (test -h), using a sub-shell in case builtin test
?X: does not implement the -h check for symbolic links. This makes it
?X: possible to preset libc in a hint file for instance and have it show up
?X: as-is in the question.
?X:
xxx=normal
case "$libc" in
unknown)
?X:
?X: The sed below transforms .so.9 .so.12 into something like .so.0009 .so.0012,
?X: then sorts on it to allow keeping .so.12 instead of .so.9 as the latest
?X: up-to-date library. The initial filename (before sed munging, saved in hold
?X: space via 'h') is appended via 'G' before sorting, then the leading munged
?X: part is removed after sorting. Nice efficient work
?X: from Tye McQueen.
?X: The initial blurfl is here to prevent the trailing pipe from producing an
?X: empty string, causing Configure to output all its set variables!
?X:
set /lib/libc.$so
for xxx in $libpth; do
$test -r $1 || set $xxx/libc.$so
: The messy sed command sorts on library version numbers.
$test -r $1 || \
set `echo blurfl; echo $xxx/libc.$so.[0-9]* | \
tr ' ' $trnl | egrep -v '\.[A-Za-z]*$' | $sed -e '
h
s/[0-9][0-9]*0000&/g
s/0*\([0-9][0-9][0-9][0-9][0-9]\)\^1/g
G
s/\n/ / | \
$sort | $sed -e 's/^\.* //'^
eval set `$$#
done
$test -r $1 || set /usr/ccs/lib/libc.$so
$test -r $1 || set /lib/libsys_s$a
;;
*)
?X: ensure the test below for the (shared) C library will fail
set blurfl
;;
esac

```

```

if $test -r "$1"; then
    echo "Your (shared) C library seems to be in $1."
    libc="$1"
elif $test -r /lib/libc && $test -r /lib/clib; then
?X:
?X: Apollo has its C library in /lib/clib AND /lib/libc
?X: not to mention its math library in /lib/syslib...
?X:
    echo
    "Your C library seems to be in both /lib/clib and /lib/libc."
    xxx=apollo
    libc='/lib/clib /lib/libc'
    if $test -r /lib/syslib; then
        echo "(Your math library is in /lib/syslib.)"
?X: Put syslib in libc -- not quite right, but won't hurt
        libc="$libc /lib/syslib"
    fi
elif $test -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
    echo "Your C library seems to be in $libc, as you said before."
?X: For mips, and...
elif $test -r $incpath/usr/lib/libc$_a; then
    libc=$incpath/usr/lib/libc$_a;
    echo "Your C library seems to be in $libc. That's fine."
elif $test -r /lib/libc$_a; then
    libc=/lib/libc$_a;
    echo "Your C library seems to be in $libc. You're normal."
else
    if tans=`./loc libc$_a blurfl/dyick $libpth`; $test -r "$stans"; then
        :
    elif tans=`./loc libc blurfl/dyick $libpth`; $test -r "$stans"; then
        libnames="$libnames "`./loc clib blurfl/dyick $libpth`
    elif tans=`./loc clib blurfl/dyick $libpth`; $test -r "$stans"; then
        :
    elif tans=`./loc Slibc$_a blurfl/dyick
    $xlibpth`; $test -r "$stans"; then
        :
    elif tans=`./loc Mlibc$_a blurfl/dyick $xlibpth`; $test -r "$stans"; then
        :
    else
        tans=`./loc Llibc$_a blurfl/dyick $xlibpth`
    fi
    if $test -r "$stans"; then
        echo "Your C library seems to be in $stans, of all places."
        libc=$stans
    else
        libc='blurfl'
    fi
fi
fi

```

```
if $test $xxx = apollo -o -r "$libc" || (test -h "$libc") >/dev/null 2>&1; then
dflt="$libc"
cat <<EOM
```

If the guess above is wrong (which it might be if you're using a strange compiler, or your machine supports multiple models), you can override it here.

```
EOM
else
dflt="
echo $libpth | $tr ' ' $trnl | $sort | $uniq > libpath
cat >&4 <<EOM
```

I can't seem to find your C library. I've looked in the following places:

```
EOM
$sed 's/^/ /' libpath
cat <<EOM
```

None of these seems to contain your C library. I need to get its name...

```
EOM
fi
fn=f
rp="Where is your C library?"
./getfile
libc="$ans"

echo " "
echo $libc $libnames | $tr ' ' $trnl | $sort | $uniq > libnames
set X `cat libnames`
shift
xxx=files
case
$# in 1) xxx=file; esac
echo "Extracting names from the following $xxx for later perusal:" >&4
echo " "
$sed 's/^/ /' libnames >&4
echo " "
$echo $n "This may take a while...$c" >&4
```

```
?X:
?X: Linux may need the special Dynamic option to nm for shared libraries.
?X: In general, this is stored in the nm_so_opt variable.
?X: Unfortunately, that option may be fatal on non-shared libraries.
?X:
for file in $*; do
case $file in
*$so*) $nm $nm_so_opt $nm_opt $file 2>/dev/null;;
```

```

*) $nm $nm_opt $file 2>/dev/null;;
esac
done >libc.tmp

$echo $n ".$c"
?X:
?X: To accelerate processing, we look at the correct 'sed' command
?X: by using a small subset of libc.tmp, i.e. fprintf function.
?X: When we know which sed command to use, do the name extraction
?X:
$grep fprintf libc.tmp > libc.ptf
?X:
?X: In order to enhance readability and save some space, we define
?X: some variables that will be "eval"ed.
?X:
xscan='eval "<libc.ptf $com >libc.list"; $echo $n ".$c" >&4'
xrun='eval
"<libc.tmp $com >libc.list"; echo "done." >&4'
?X: BSD-like output, I and W types added for Linux
?X: Some versions of Linux include a leading __IO in the symbol name.
?X: HPUX10 reportedly has trailing spaces, though I'm surprised it has
?X: BSD-like output. (AD).
xxx='[ADTSIW]'
if com="$sed -n -e 's/__IO//' -e 's/^. *$xxx *_[.]*//p' -e 's/^. *$xxx *//p'";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
?X: SYSV-like output
elif com="$sed -n -e 's/^__ *//' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*\1/p'";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e '/|UNDEF/d' -e '/FUNC..GL/s/^. *|__ *//p'";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e 's/^. *D __ *//p' -e 's/^. *D //p'";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e 's/^_/' -e 's/^\([a-zA-Z_0-9]*\).*xtern.*text.*\1/p'";\
eval
$xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e 's/^. *|FUNC |GLOB .*//p'";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then

```

```

eval $xrun
elif com="$grep '|' | $sed -n -e '/COMMON/d' -e '/DATA/d' \
-e '/file/d' -e 's/^\([^ ]*\).*\1/p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e 's/^\.*|FUNC |GLOB .*/p' -e 's/^\.*|FUNC |WEAK .*/p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
?X: mips nm output (sysV)
elif com="$sed -n -e 's/^\_//' -e '/Undef/d' -e '/Proc/s/ .*/p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e 's/^\.*|Proc .*/Text *| */p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e '/Def. Text/s/.*\([^ ]*\)\$/\1/p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null
2>&1; then
eval $xrun
?X: OS/2 nm output
elif com="$sed -n -e 's/^\[-0-9a-f ]*_\(.*)=.*\1/p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
elif com="$sed -n -e 's/.*\text n\ \ \ \./p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
?X: AIX nm output
elif com="$sed -n -e 's/^\_.*//' -e 's/[ ]*D[ ]*[0-9]*.*//p";\
eval $xscan;\
$contains '^fprintf$' libc.list >/dev/null 2>&1; then
eval $xrun
else
$nm -p $* 2>/dev/null >libc.tmp
$grep fprintf libc.tmp > libc.ptf
if com="$sed -n -e 's/^\.* [ADTSIW] *_[_]*//p' -e 's/^\.* [ADTSIW] //p";\
eval $xscan; $contains '^fprintf$' libc.list >/dev/null 2>&1
then
nm_opt='-p'
eval $xrun
else
echo " "

```



```

echo "$nm didn't seem to work right. Trying $ar instead..." >&4
com="
if $ar t $libc > libc.tmp && \
  $contains '^fprintf$' libc.tmp >/dev/null 2>&1
then
  for thisname in $libnames $libc; do
    $ar t $thisname >>libc.tmp
  done
  $sed
-e "s/\$_o\$//" < libc.tmp > libc.list
  echo "Ok." >&4
  elif test "X$name" = "Xos2" && $ar tv $libc > libc.tmp; then
?X: Repeat libc to extract forwarders to DLL entries too
  for thisname in $libnames $libc; do
    $ar tv $thisname >>libc.tmp
?X: Revision 50 of EMX has bug in ar: it will not extract forwarders
?X: to DLL entries. Use emximp which will extract exactly them.
    emximp -o tmp.imp $thisname \
      2>/dev/null && \
      $sed -e 's/^\([_a-zA-Z0-9]*\) .*$/1/p' \
      < tmp.imp >>libc.tmp
    $rm -f tmp.imp
  done
  $sed -e "s/\$_o\$//" -e 's/^\|+/' < libc.tmp > libc.list
  echo "Ok." >&4
else
  echo "$ar didn't seem to work right." >&4
  echo "Maybe this is a Cray...trying bld instead..." >&4
  if
    bld t $libc | \
      $sed -e 's/.*\|/' -e "s/\$_o:.*\|/" > libc.list &&
    $test -s libc.list
  then
    for thisname in $libnames; do
      bld t $libnames | \
        $sed -e 's/.*\|/' -e "s/\$_o:.*\|/" >>libc.list
      $ar t $thisname >>libc.tmp
    done
    echo
  "Ok." >&4
  else
    echo "That didn't work either." >&4
    echo "No problem, I'll be compiling test programs then..." >&4
    runnm=false
  fi
fi
fi
fi
fi

```

```

nm_extract="$com"
if $test -f /lib/syscalls.exp; then
  echo " "
  echo "Also extracting names from /lib/syscalls.exp for good ole AIX..." >&4
  $sed -n 's/^\([^ ]*\)[ ]*syscall[0-9]*[ ]*$\1/p' \
  /lib/syscalls.exp >>libc.list
fi
?X: remember, indentation is wrong on purpose--RAM
;;
esac
$rm -f libnames libpath

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/libc.U

```

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

?RCS: \$Id: html3dir.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: html3dir.U,v \$

?RCS:

?MAKE:html3dir html3direxp installhtml3dir: cat sed Loc Myread \

package test Getfile Setprefixvar Prefixit Prefixup html1 dir

?MAKE: -pick add \$@ %<

?Y:TOP

?D:html3dir="

?S:html3dir:

?S: This variable contains the name of the directory in which html

?S: source pages are to be put. This directory is for pages

?S: that describe libraries or modules. It is intended to

?S: correspond roughly to section 3 of the Unix manuals.

?S:.

?D:html3direxp="

?S:html3direxp:

?S: This variable

is the same as the html3dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installhtml3dir="

?S:installhtml3dir:

?S: This variable is really the same as html3direxp, unless you are  
?S: using a different installprefix. For extra portability, you  
?S: should only use this variable within your makefiles.  
?S:.  
?LINT:change prefixvar  
?LINT:set html3direxp  
?LINT:set installhtml3dir  
: determine where html pages for libraries and modules go  
set html3dir html3dir none  
eval \$prefixit  
\$cat <<EOM

If you wish to install html files for modules associated with \$spackage,  
indicate the appropriate directory here. To skip installing html files,  
answer "none".

EOM

: There is no obvious default. If they have specified html1dir, then  
: try to key off that, possibly changing ../html1 into ../html3.

case "\$html3dir" in

) html3dir=`echo "\$html1dir" | \$sed 's/1\$/3\$/'` ;;

\*) dflt=\$html3dir ;;

esac

fn=dn+~

rp="Directory for the \$spackage module  
html pages?"

./getfile

prefixvar=html3dir

./setprefixvar

: Use ' ' for none so value is preserved next time through Configure

\$test X"\$html3dir" = "X" && html3dir=' '

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/html3dir.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Oldsym.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:06:58 ram

```

?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:13 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and CONFIG,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint file or a previous config.sh file.
?X:
?MAKE:Oldsym:
  Config_sh Options test hint src sed sort uniq
?MAKE: -pick add $@ %<
?T:CONFIG sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define/ {printf "%s=%s\n", $2, $3}' $src/patchlevel.h >>config.sh
echo "CONFIG=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
<UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq. This means you too, Jarkko.
?X:
$sed -n 's/^\([a-zA-Z_0-9]*\)=.*\1/p' \
config.sh config.sh UU/oldconfig.sh | \
$sort | $uniq -u >UU/oldsyms
set X `cat UU/oldsyms`
shift
case $# in
0) ;;
*)
  cat <<EOM
Hmm...You had some extra variables I don't know about...I'll
try to keep 'em...
EOM
  echo ": Variables propagated from previous config.sh file." >>config.sh
  for sym in `cat UU/oldsyms`; do
    echo " Propagating $hint variable ""$""$sym..."

```

```

eval 'tmp="$""${sym}""'
echo "$tmp" | \
sed -e "s/^\\""/g" -e "s/^\$sym=/'" -e "s/#!/" >>config.sh
done
;;
esac
fi

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Oldsym.U
```

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

```

?RCS: $Id: newsspool.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: newsspool.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:newsspool newsspoolexp: Getfile Oldconfig
?MAKE: -pick add $@ %<
?S:newsspool:
?S: This variable contains the eventual value of the NEWSSPOOL symbol,
?S: which is the directory name where news articles are spooled. It
?S: may have a ~ on the front of it.
?S:.
?S:newsspoolexp:
?S: This is the same as the newsspool variable, but is
filename expanded
?S: at configuration time, for programs not wanting to deal with it at
?S: run-time.
?S:.
?C:NEWSSPOOL:
?C: This symbol contains the directory name where news articles are
?C: spooled. The program must be prepared to do ~ expansion on it.
?C:.
?C:NEWSSPOOL_EXP:
?C: This is the same as NEWSSPOOL, but is filename expanded at
?C: configuration time, for use in programs not willing to do so
?C: at run-time.

```

```

?C:.
?H:#define NEWSSPOOL "$newsspool" /**/
?H:#define NEWSSPOOL_EXP "$newspoolexp" /**/
?H:.
: locate news spool directory
case "$newsspool" in
")
  dflt=/usr/spool/news
  ;;
*) dflt="$newsspool";;
esac
echo " "
fn=d~
rp='Where are news spooled?'
./getfile
newsspool="$ans"
newspoolexp="$ansexp"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/newsspool.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: mallocsrc.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:10:26 ram

?RCS: patch61: added support for Free\_t, the type of free()

?RCS: patch61: replaced .o with \$\_o all over the place

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:10:46 ram

?RCS: patch23: added support for MYMALLOC, mainly for perl5 (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:12 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:mallocsrc mallocobj usemymalloc malloctype d\_mymalloc \

freetype: Myread \

Oldconfig

```

package Guess Setvar rm cat +cc +ccflags Findhdr \
i_malloc i_stdlib sed libs _o ptrsize
?MAKE: -pick add $@ %<
?X: Put near top so that other tests don't erroneously include
?X: -lmalloc. --AD 22 June 1998
?Y:TOP
?S:usemymalloc:
?S: This variable contains y if the malloc that comes with this package
?S: is desired over the system's version of malloc. People often include
?S: special versions of malloc for efficiency, but such versions are often
?S: less portable. See also malloclib and mallocobj.
?S: If this is 'y', then -lmalloc is removed from $libs.
?S:.
?S:malloclib:
?S: This variable contains the name of the malloc.c that comes with
?S: the package, if that malloc.c is preferred over the system malloc.
?S: Otherwise the value is null. This variable is intended for generating
?S: Makefiles.
?S:.
?S:d_mymalloc:
?S: This variable conditionally defines MYMALLOC in case other parts
?S: of the source want to take special action if MYMALLOC is used.
?S: This may include different sorts
?S: of profiling or error detection.
?S:.
?S:mallocobj:
?S: This variable contains the name of the malloc.o that this package
?S: generates, if that malloc.o is preferred over the system malloc.
?S: Otherwise the value is null. This variable is intended for generating
?S: Makefiles. See malloclib.
?S:.
?S:freetype:
?S: This variable contains the return type of free(). It is usually
?S: void, but occasionally int.
?S:.
?S:malloctype:
?S: This variable contains the kind of ptr returned by malloc and realloc.
?S:.
?C:Free_t:
?C: This variable contains the return type of free(). It is usually
?C: void, but occasionally int.
?C:.
?C:Malloc_t (MALLOC_PTRTYPE):
?C: This symbol is the type of pointer returned by malloc and realloc.
?C:.
?H:#define Malloc_t $malloctype /**/
?H:#define Free_t $freetype /**/
?H:.

```

```

?C:MYMALLOC:
?C: This symbol, if defined, indicates that we're using our own malloc.
?C:.
?H:#$d_mymalloc MYMALLOC  /***/
?H:.
?LINT:change libs
?X: Cannot test for mallosrc; it
is the unit's name and there is a bug in
?X: the interpreter which defines all the names, even though they are not used.
@if mallocobj
: determine which malloc to compile in
echo " "
case "$usemymalloc" in
[yY]*|true|$define) dflt='y' ;;
[nN]*|false|$undef) dflt='n' ;;
*)
case "$ptrsize" in
4) dflt='y' ;;
*) dflt='n' ;;
esac
;;
esac
rp="Do you wish to attempt to use the malloc that comes with $package?"
. ./myread
usemymalloc="$ans"
case "$ans" in
y*|true)
usemymalloc='y'
mallosrc='malloc.c'
mallocobj="malloc$_o"
d_mymalloc="$define"
?X: Maybe libs.U should be dependent on mallosrc.U, but then
?X: most packages that use dist probably don't supply their own
?X: malloc, so this is probably an o.k. compromise
case "$libs" in
*-lmalloc*)
: Remove malloc from list of libraries to use
echo "Removing unneeded -lmalloc from library list" >&4
set `echo X $libs | $sed -e 's/-lmalloc /' -e 's/-lmalloc$/'`
shift
libs="$*"
echo "libs = $libs" >&4
;;
esac
;;
*)
usemymalloc='n'
mallosrc=""

```



```

mallocobj="
d_mymalloc="$undef"
;;
esac

@end
@if
  MALLOC_PTRTYPE || Malloc_t || Free_t
: compute the return types of malloc and free
echo " "
$cat >malloc.c <<END
#$i_malloc I_MALLOC
#$i_stdlib I_STDLIB
#include <stdio.h>
#include <sys/types.h>
#ifdef I_MALLOC
#include <malloc.h>
#endif
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef TRY_MALLOC
void *malloc();
#endif
#ifdef TRY_FREE
void free();
#endif
END
@if MALLOC_PTRTYPE || Malloc_t
case "$malloctype" in
")
if $cc $cflags -c -DTRY_MALLOC malloc.c >/dev/null 2>&1; then
malloctype='void *'
else
malloctype='char *'
fi
;;
esac
echo "Your system wants malloc to return '$malloctype', it would seem." >&4
@end

@if Free_t
case "$freetype" in
")
if $cc $cflags -c -DTRY_FREE malloc.c >/dev/null 2>&1; then
freetype='void'
else
freetype='int'

```

```
fi
;;
esac
echo "Your system uses $freetype free(), it would seem." >&4
@end
$rm -f malloc.[co]
@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mallocsrc.U
```

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

```
?RCS: $Id: i_pwd.U,v 3.0.1.2 1995/07/25 14:10:57 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: i_pwd.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 14:10:57 ram
?RCS: patch56: use setvar so hint file values can override our guesses (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 15:03:27 ram
?RCS: patch23: had forgotten cppminus in cppstd in test (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:25 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit checks whether there is a pwd system or not
?X:
?MAKE:i_pwd d_pwquota d_pwage d_pwchange
d_pwclass d_pwexpire \
d_pwgecos d_pwpasswd d_pwcomment: \
contains rm cppstd in cppflags cppminus Inhdr Findhdr Setvar
?MAKE: -pick add $@ %<
?S:i_pwd:
?S: This variable conditionally defines I_PWD, which indicates
?S: to the C program that it should include <pwd.h>.
?S:.
?S:d_pwquota:
?S: This variable conditionally defines PWQUOTA, which indicates
?S: that struct passwd contains pw_quota.
```

?S:  
?S:d\_pwage:  
?S: This variable conditionally defines PWAGE, which indicates  
?S: that struct passwd contains pw\_age.  
?S:  
?S:d\_pwchange:  
?S: This variable conditionally defines PWCHANGE, which indicates  
?S: that struct passwd contains pw\_change.  
?S:  
?S:d\_pwclass:  
?S: This variable conditionally defines PWCLASS, which indicates  
?S: that struct passwd contains pw\_class.  
?S:  
?S:d\_pwexpire:  
?S: This variable conditionally defines PWEXPIRE, which indicates  
?S: that struct passwd contains pw\_expire.  
?S:  
?S:d\_pwcomment:  
?S: This variable conditionally defines PWCOMMENT, which indicates  
?S: that  
struct passwd contains pw\_comment.  
?S:  
?S:d\_pwgecos:  
?S: This variable conditionally defines PWGECOS, which indicates  
?S: that struct passwd contains pw\_gecos.  
?S:  
?S:d\_pwpasswd:  
?S: This variable conditionally defines PWPASSWD, which indicates  
?S: that struct passwd contains pw\_passwd.  
?S:  
?C:I\_PWD:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <pwd.h>.  
?C:  
?C:PWQUOTA:  
?C: This symbol, if defined, indicates to the C program that struct passwd  
?C: contains pw\_quota.  
?C:  
?C:PWAGE:  
?C: This symbol, if defined, indicates to the C program that struct passwd  
?C: contains pw\_age.  
?C:  
?C:PWCHANGE:  
?C: This symbol, if defined, indicates to the C program that struct passwd  
?C: contains pw\_change.  
?C:  
?C:PWCLASS:  
?C: This symbol, if defined, indicates to the C program that struct passwd

```

?C: contains pw_class.
?C:.
?C:PWEXPIRE:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_expire.
?C:.
?C:PWCOMMENT:
?C: This
symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_comment.
?C:.
?C:PWGECOS:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_gecos.
?C:.
?C:PWPASSWD:
?C: This symbol, if defined, indicates to the C program that struct passwd
?C: contains pw_passwd.
?C:.
?H:#$i_pwd I_PWD /**/
?H:#$d_pwquota PWQUOTA /**/
?H:#$d_pwage PWAGE /**/
?H:#$d_pwchange PWCHANGE /**/
?H:#$d_pwclass PWCLASS /**/
?H:#$d_pwexpire PWEXPIRE /**/
?H:#$d_pwcomment PWCOMMENT /**/
?H:#$d_pwgecos PWGECOS /**/
?H:#$d_pwpasswd PWPASSWD /**/
?H:.
?LINT: set i_pwd d_pwquota d_pwage d_pwchange d_pwclass d_pwexpire d_pwcomment
?LINT: set d_pwgecos d_pwpasswd
?T:xxx
: see if this is a pwd.h system
set pwd.h i_pwd
eval $inhdr

case "$i_pwd" in
$define)
xxx=`./findhdr pwd.h`
$cppstdin $cppflags $cppminus < $xxx >$$.h

if $contains 'pw_quota' $$.h >/dev/null 2>&1; then
val="$define"
else
val="$undef"
fi
set d_pwquota
eval $setvar

```

```
if $contains 'pw_age'  
$.h >/dev/null 2>&1; then  
  val="$define"  
else  
  val="$undef"  
fi  
set d_pwage  
eval $setvar
```

```
if $contains 'pw_change' $.h >/dev/null 2>&1; then  
  val="$define"  
else  
  val="$undef"  
fi  
set d_pwchange  
eval $setvar
```

```
if $contains 'pw_class' $.h >/dev/null 2>&1; then  
  val="$define"  
else  
  val="$undef"  
fi  
set d_pwclass  
eval $setvar
```

```
if $contains 'pw_expire' $.h >/dev/null 2>&1; then  
  val="$define"  
else  
  val="$undef"  
fi  
set d_pwexpire  
eval $setvar
```

```
if $contains 'pw_comment' $.h >/dev/null 2>&1; then  
  val="$define"  
else  
  val="$undef"  
fi  
set d_pwcomment  
eval $setvar
```

```
if $contains 'pw_gecos' $.h >/dev/null 2>&1; then  
  val="$define"  
else  
  val="$undef"  
fi  
set d_pwgecos
```

```
eval $setvar

if $contains 'pw_passwd' $$h >/dev/null 2>&1; then
  val="$define"
else
  val="$undef"
fi
set d_pwpasswd
eval $setvar
```

```
$rm -f $$h
;;
*)
val="$undef";
set d_pwquota; eval $setvar
set d_pwage; eval $setvar
set d_pwchange; eval $setvar
set d_pwclass; eval $setvar
set
d_pwexpire; eval $setvar
set d_pwcomment; eval $setvar
set d_pwgecos; eval $setvar
set d_pwpasswd; eval $setvar
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_pwd.U
```

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

```
?RCS: $Id: d_msgget.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_msgget.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:39 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_msgget: Inlibc
?MAKE: -pick add $@ %<
?S:d_msgget:
```

?S: This variable conditionally defines the HAS\_MSGGET symbol, which

?S: indicates to the C program that the msgget() routine is available.

?S:.

?C:HAS\_MSGGET:

?C: This symbol, if defined, indicates that the msgget() routine is

?C: available to get a new message queue.

?C:.

?H:#\$d\_msgget

```
HAS_MSGGET /**/
```

?H:.

?LINT:set d\_msgget

: see if msgget exists

set msgget d\_msgget

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msgget.U
```

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

?RCS: \$Id: ipc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: ipc.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:53 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:ipc serve\_shm serve\_msg serve\_inet\_udp serve\_inet\_tcp serve\_unix\_udp \

```
serve_unix_tcp: test Myread Oldconfig d_socket d_msg d_shm d_sem
```

?MAKE: -pick add \$@ %<

?LINT:use d\_msg d\_sem

?S:ipc:

?S: This variable holds the type of IPC service we'll be using. Values

?S: include "ip", "shm", "msg", "cms" and "os9". We don't worry about

?S: cms or os9

here, because Configure doesn't run in those places--HMS.

?S:.

?S:serve\_shm:

?S: This variable controls the definition of SERVE\_SHM, which tells the

?S: C program to use USG shared memory for IPC.

?S:.

?S:serve\_msg:  
?S: This variable controls the definition of SERVE\_MSG, which tells the  
?S: C program to use USG message queues for IPC.  
?S:.  
?S:serve\_inet\_udp:  
?S: This variable controls the definition of SERVE\_INET\_UDP, which tells  
?S: the C program to enable InterNet-domain UDP support for IPC.  
?S:.  
?S:serve\_inet\_tcp:  
?S: This variable controls the definition of SERVE\_INET\_TCP, which tells  
?S: the C program to enable InterNet-domain TCP support for IPC.  
?S:.  
?S:serve\_unix\_udp:  
?S: This variable controls the definition of SERVE\_UNIX\_UDP, which tells  
?S: the C program to enable Unix-domain UDP support for IPC.  
?S:.  
?S:serve\_unix\_tcp:  
?S: This variable controls the definition of SERVE\_UNIX\_TCP, which tells  
?S: the C program to enable Unix-domain TCP support for IPC.  
?S:.  
?C:SERVE\_SHM:  
?C: If  
defined, tells the C program to use USG shared memory for IPC.  
?C:.  
?C:SERVE\_MSG:  
?C: If defined, tells the C program to use USG message queues for IPC.  
?C:.  
?C:SERVE\_INET\_UDP:  
?C: If defined, tells the C program to enable InterNet-domain UDP  
?C: support for IPC.  
?C:.  
?C:SERVE\_INET\_TCP:  
?C: If defined, tells the C program to enable InterNet-domain TCP  
?C: support for IPC.  
?C:.  
?C:SERVE\_UNIX\_UDP:  
?C: If defined, tells the C program to enable Unix-domain UDP  
?C: support for IPC.  
?C:.  
?C:SERVE\_UNIX\_TCP:  
?C: If defined, tells the C program to enable Unix-domain TCP  
?C: support for IPC.  
?C:.  
?H:#\$serve\_shm SERVE\_SHM /\*\*/  
?H:#\$serve\_msg SERVE\_MSG /\*\*/  
?H:#\$serve\_inet\_udp SERVE\_INET\_UDP /\*\*/  
?H:#\$serve\_inet\_tcp SERVE\_INET\_TCP /\*\*/  
?H:#\$serve\_unix\_udp SERVE\_UNIX\_UDP /\*\*/



```

?H:#$serve_unix_tcp SERVE_UNIX_TCP /**/
?H:.
?X: FIXME -- RAM
?INIT:serve_shm=""
?INIT:serve_msg="$undef"
?INIT:serve_inet_udp=""
?INIT:serve_inet_tcp=""
?INIT:serve_unix_udp=""
?INIT:serve_unix_tcp=""
: get IPC mechanism
echo
" "
ipc=""
while $test -z "$ipc"
do
if $test "$ipc" != "shm" -a "$d_socket" = "$define"; then
ipc=""
if $test "$serve_inet_udp" = "$undef"; then
dflt=n
else
dflt=y
fi
rp='Provide InterNet-domain UDP service?'
./myread
dflt=""
case "$ans" in
n*) serve_inet_udp="$undef";;
*)
serve_inet_udp="$define"
ipc='ip'
;;
esac

if $test "$serve_inet_tcp" = "$define"; then
dflt=y
else
dflt=n
fi
rp='Provide InterNet-domain TCP service?'
./myread
dflt=""
case "$ans" in
n*) serve_inet_tcp="$undef";;
*)
serve_inet_tcp="$define"
ipc='ip'
;;
esac

```

```

if $test "$serve_unix_udp" = "$define"; then
    dflt=y
else
    dflt=n
fi
rp='Provide Unix-domain UDP service?'
. ./myread
dflt=""
case "$ans" in
n*) serve_unix_udp="$undef";;
*)
    serve_unix_udp="$define"
    ipc='ip'
    ;;
esac

if $test "$serve_unix_tcp" = "$define"; then
    dflt=y
else
    dflt=n
fi
rp='Provide Unix-domain TCP service?'
. ./myread
dflt=""
case
"$ans" in
n*) serve_unix_tcp="$undef";;
*)
    serve_unix_tcp="$define"
    ipc='ip'
    ;;
esac
else
    serve_inet_udp="$undef"
    serve_inet_tcp="$undef"
    serve_unix_udp="$undef"
    serve_unix_tcp="$undef"
fi
if $test "$ipc" != "ip" -a "$d_shm" = "$define"; then
    echo "Providing USG shared memory IPC support." >&4
    serve_shm="$define"
    ipc='shm'
else
    serve_shm="$undef"
fi
if $test -z "$ipc"; then
    echo "You must select an IPC mechanism." >&4

```

fi  
done

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ipc.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strtoul.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:46:43 ram

?RCS: patch61: created

?RCS:

?RCS:

?MAKE:d\_strtoul: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtoul:

?S: This variable conditionally defines the HAS\_STRTOUL symbol, which

?S: indicates to the C program that the strtoul() routine is available

?S: to provide conversion of strings to unsigned long.

?S:.

?C:HAS\_STRTOUL (STRTOUL):

?C: This symbol, if defined, indicates that the strtoul routine is

?C: available

to provide conversion of strings to unsigned long.

?C:.

?H:#\$d\_strtoul HAS\_STRTOUL /\*\*/

?H:.

?LINT:set d\_strtoul

: see if strtoul exists

set strtoul d\_strtoul

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strtoul.U

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

?RCS: \$Id: installstyle.U,v 1.2 1999/07/13 14:56:06 doughera Exp \$  
?RCS:  
?RCS: Copyright (c) 1999 Andy Dougherty  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: installstyle.U,v \$  
?RCS: Revision 1.2 1999/07/13 14:56:06 doughera  
?RCS: Fix dependencies. Add more comments.  
?RCS:  
?RCS: Revision 1.1 1999/07/12 17:30:41 doughera  
?RCS: Initial revision  
?RCS:  
?RCS:  
?MAKE:installstyle: prefix Myread  
?MAKE: -pick add \$@ %<  
?X: Myread dependence is for dflt.  
?S:installstyle:  
?S: This variable describes the "style" of the perl installation.  
?S: This is intended to be useful for tools that need to  
?S: manipulate entire perl  
distributions. Perl itself doesn't use  
?S: this to find its libraries -- the library directories are  
?S: stored directly in Config.pm. Currently, there are only two  
?S: styles: "lib" and "lib/perl5". The default library locations  
?S: (e.g. privlib, sitelib) are either \$prefix/lib or  
?S: \$prefix/lib/perl5. The former is useful if \$prefix is a  
?S: directory dedicated to perl (e.g. /opt/perl), while the latter  
?S: is useful if \$prefix is shared by many packages, e.g. if  
?S: \$prefix=/usr/local.  
?S:  
?S: Unfortunately, while this "style" variable is used to set  
?S: defaults for all three directory hierarchies (core, vendor, and  
?S: site), there is no guarantee that the same style is actually  
?S: appropriate for all those directories. For example, \$prefix  
?S: might be /opt/perl, but \$siteprefix might be /usr/local.  
?S: (Perhaps, in retrospect, the "lib" style should never have been  
?S: supported, but it did seem like a nice idea at the time.)  
?S:  
?S: The situation is even less clear for  
tools such as MakeMaker  
?S: that can be used to install additional modules into  
?S: non-standard places. For example, if a user intends to install  
?S: a module into a private directory (perhaps by setting PREFIX on

?S: the Makefile.PL command line), then there is no reason to  
 ?S: assume that the Configure-time \$installstyle setting will be  
 ?S: relevant for that PREFIX.  
 ?S:  
 ?S: This may later be extended to include other information, so  
 ?S: be careful with pattern-matching on the results.  
 ?S:  
 ?S: For compatibility with perl5.005 and earlier, the default  
 ?S: setting is based on whether or not \$prefix contains the string  
 ?S: "perl".  
 ?S:.  
 : determine installation style  
 : For now, try to deduce it from prefix unless it is already set.  
 : Reproduce behavior of 5.005 and earlier, maybe drop that in 5.7.  
 case "\$installstyle" in  
 ") case "\$prefix" in  
 \*perl\*) dflt='lib';;  
 \*) dflt='lib/perl5' ;;  
 esac  
 ;;  
 \*) dflt="\$installstyle" ;;  
 esac  
 : Probably not worth prompting for this since we prompt  
 for all  
 : the directories individually, and the prompt would be too long and  
 : confusing anyway.  
 installstyle=\$dflt

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/installstyle.U

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

?RCS: \$Id: d\_gethostbyaddr\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_gethostbyaddr\_r gethostbyaddr\_r\_proto: Inlibc Protochk Hasproto \  
 i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_gethostbyaddr\_r:

?S: This variable conditionally defines the HAS\_GETHOSTBYADDR\_R symbol,

?S: which indicates to the C program that the gethostbyaddr\_r()

?S: routine is available.

?S:.

?S:gethostbyaddr\_r\_proto:

?S: This variable encodes the prototype of gethostbyaddr\_r.

?S: It is zero if d\_gethostbyaddr\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostbyaddr\_r

?S: is defined.

?S:.

?C:HAS\_GETHOSTBYADDR\_R:

?C: This symbol, if defined, indicates

that the gethostbyaddr\_r routine

?C: is available to gethostbyaddr re-entrantly.

?C:.

?C:GETHOSTBYADDR\_R\_PROTO:

?C: This symbol encodes the prototype of gethostbyaddr\_r.

?C: It is zero if d\_gethostbyaddr\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostbyaddr\_r

?C: is defined.

?C:.

?H:#\$d\_gethostbyaddr\_r HAS\_GETHOSTBYADDR\_R /\*\*/

?H:#define GETHOSTBYADDR\_R\_PROTO \$gethostbyaddr\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_gethostbyaddr\_r\_proto

: see if gethostbyaddr\_r exists

set gethostbyaddr\_r d\_gethostbyaddr\_r

eval \$inlibc

case "\$d\_gethostbyaddr\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_gethostbyaddr\_r\_proto:\$usethreads" in

":define") d\_gethostbyaddr\_r\_proto=define

set d\_gethostbyaddr\_r\_proto gethostbyaddr\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_gethostbyaddr\_r\_proto" in

define)

case "\$gethostbyaddr\_r\_proto" in

"|0) try='int gethostbyaddr\_r(const char\*, size\_t, int, struct hostent\*, char\*,

size\_t, struct hostent\*\*, int\*);'

./protochk "\$extern\_C \$try" \$hdrs && gethostbyaddr\_r\_proto=I\_CWISBWRE ;;

esac

case "\$gethostbyaddr\_r\_proto" in

"|0) try='struct hostent\* gethostbyaddr\_r(const char\*, size\_t, int, struct hostent\*, char\*, size\_t, int, int\*);'

./protochk "\$extern\_C \$try" \$hdrs && gethostbyaddr\_r\_proto=S\_CWISBWIE ;;

esac

case "\$gethostbyaddr\_r\_proto" in

"|0) try='struct hostent\* gethostbyaddr\_r(const char\*, size\_t, int, struct hostent\*, char\*, int, int\*);'

./protochk "\$extern\_C \$try" \$hdrs && gethostbyaddr\_r\_proto=S\_CWISBIE ;;

```

esac
case "$gethostbyaddr_r_proto" in
"(0) try='struct hostent* gethostbyaddr_r(const void*, size_t, int, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_TWISBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"(0) try='struct hostent* gethostbyaddr_r(const char*, int, int, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_CIISBIE ;;
esac
case
"$gethostbyaddr_r_proto" in
"(0) try='struct hostent* gethostbyaddr_r(const char*, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_CSBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"(0) try='struct hostent* gethostbyaddr_r(const void*, struct hostent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=S_TSBIE ;;
esac
case "$gethostbyaddr_r_proto" in
"(0) try='int gethostbyaddr_r(const char*, size_t, int, struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CWISD ;;
esac
case "$gethostbyaddr_r_proto" in
"(0) try='int gethostbyaddr_r(const char*, int, int, struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CIISD ;;
esac
case "$gethostbyaddr_r_proto" in
"(0) try='int gethostbyaddr_r(const char*, int, int);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_CII ;;
esac
case
"$gethostbyaddr_r_proto" in
"(0) try='int gethostbyaddr_r(const void*, socklen_t, int, struct hostent*, char*, size_t, struct hostent**, int*);'
./protochk "$extern_C $try" $hdrs && gethostbyaddr_r_proto=I_TsISBWRE ;;
esac
case "$gethostbyaddr_r_proto" in
"(0) d_gethostbyaddr_r=undef
gethostbyaddr_r_proto=0
echo "Disabling gethostbyaddr_r, cannot determine prototype." >&4 ;;
*) case "$gethostbyaddr_r_proto" in
REENTRANT_PROTO*) ;;
*) gethostbyaddr_r_proto="REENTRANT_PROTO_$gethostbyaddr_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "gethostbyaddr_r has no prototype, not using it." >&4 ;;

```

```
esac
d_gethostbyaddr_r=undef
gethostbyaddr_r_proto=0
;;
esac
;;
*) gethostbyaddr_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_gethostbyaddr_r.U
```

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

```
?RCS: $Id: Getfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Getfile.U,v $
?RCS: Revision 3.0.1.7 1997/02/28 15:01:06 ram
?RCS: patch61: getfile script now begins with "startsh"
?RCS:
?RCS: Revision 3.0.1.6 1995/02/15 14:11:00 ram
?RCS: patch51: was not working if ~'s allowed with d_portable on (WED)
?RCS:
?RCS: Revision 3.0.1.5 1995/01/11 15:11:25 ram
?RCS: patch45: added support for escaping answers to skip various checks
?RCS: patch45: modified message issued after file expansion
?RCS:
?RCS: Revision
3.0.1.4 1994/10/29 15:53:19 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0.1.3 1994/05/06 14:23:36 ram
?RCS: patch23: getfile could be confused by file name in "locate" requests
?RCS: patch23: new 'p' directive to assume file is in people's path (WED)
?RCS:
?RCS: Revision 3.0.1.2 1994/01/24 14:01:31 ram
?RCS: patch16: added metalint hint on changed 'ans' variable
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 15:46:27 ram
```



?RCS: patch10: minor format problems and misspellings fixed

?RCS: patch10: now performs from package dir and not from UU subdir

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to get a file name and make some sanity checks. Optionally, a ~name

?X: expansion is performed.

?X:

?X: To use this unit, \$rp and \$dflt must hold the question and the

?X: default answer, which will be passed as-is

to the myread script.

?X: The \$fn variable must hold the file type (f or d, for file/directory).

?X: If \$gfpth is set to a list of space-separated list of directories,

?X: those are prefixes for the filename. Unless \$gfpthkeep is set to 'y',

?X: gfpth is cleared on return from Getfile.

?X:

?X: If is is followed by a ~, then ~name substitution will occur. Upon return,

?X: \$ans is set with the filename value. If a / is specified, then only a full

?X: path name is accepted (but ~ substitution occurs before, if needed). The

?X: expanded path name is returned in that case.

?X:

?X: If a + is specified, the existence checks are skipped. This usually means

?X: the file/directory is under the full control of the program.

?X:

?X: If the 'n' (none) type is used, then the user may answer none.

?X: The 'e' (expand) switch may be used to bypass d\_portable, expanding ~name.

?X:

?X: If the 'l' (locate) type is used, then it must end with a ':' and then a

?X: file name. If the answer is a directory,

the file name will be appended

?X: before testing for file existence. This is useful in locate-style

?X: questions like "where is the active file?". In that case, one should

?X: use:

?X:

?X: dflt='~news/lib'

?X: fn='l~:active'

?X: rp='Where is the active file?'

?X: ./getfile

?X: active="\$ans"

?X:

?X: If the 'p' (path) letter is specified along with 'l', then an answer

?X: without a leading / will be expected to be found in everyone's path.

?X:

?X: It is also possible to include a comma-separated list of items within

?X: parentheses to specify which items should be accepted as-is with no

?X: further checks. This is useful when for instance a full path is expected

?X: but the user may escape out via "magical" answers.

?X:

?X: If the answer to the question is 'none', then the existence checks are

?X: skipped and the empty string is returned.

?X:

?MAKE:Getfile: d\_portable contains startsh Myread Filexp tr trnl

?MAKE: -pick add \$@ %<

?V:ansexp:fn gfpth gfpthkeep

?F:./getfile

?T:tilde

```
type what orig_rp orig_dflt fullpath already redo skip none_ok \  
value exp_file nopath_ok loc_file fp pf dir direxp
```

?LINT:change ans

?LINT:change gfpth

: now set up to get a file name

```
cat <<EOS >getfile
```

```
$startsh
```

```
EOS
```

```
cat <<'EOSC' >>getfile
```

```
tilde="
```

```
fullpath="
```

```
already="
```

```
skip="
```

```
none_ok="
```

```
exp_file="
```

```
nopath_ok="
```

```
orig_rp="$rp"
```

```
orig_dflt="$dflt"
```

```
case "$gfpth" in
```

```
) gfpth='.' ;;
```

```
esac
```

?X: Begin by stripping out any (...) grouping.

```
case "$fn" in
```

```
*\(*
```

```
: getfile will accept an answer from the comma-separated list
```

```
: enclosed in parentheses even if it does not meet other criteria.
```

```
expr "$fn" : '.*(\(.*\)).*' | $tr ' ' $trnl >getfile.ok
```

```
fn=`echo $fn | sed 's/(.*)/'`
```

```
::
```

```
esac
```

?X: Catch up 'locate' requests early, so that we may strip the file name

?X: before looking at the one-letter commands, in case the file name contains

?X: one of them. Reported by Wayne Davison <davison@borland.com>.

```
case "$fn" in
```

```
*:*)
```

```
loc_file=`expr $fn : '.*:(.*)'^`  
fn=`expr $fn : \"(.*)\".*^`  
;;  
esac
```

```
case  
"$fn" in  
*~*) tilde=true;;  
esac  
case "$fn" in  
*/*) fullpath=true;;  
esac  
case "$fn" in  
*+*) skip=true;;  
esac  
case "$fn" in  
*n*) none_ok=true;;  
esac  
case "$fn" in  
*e*) exp_file=true;;  
esac  
case "$fn" in  
*p*) nopath_ok=true;;  
esac
```

```
case "$fn" in  
*f*) type='File';;  
*d*) type='Directory';;  
*l*) type='Locate';;  
esac
```

```
what="$type"  
case "$what" in  
Locate) what='File';;  
esac
```

```
case "$exp_file" in  
")  
case "$d_portable" in  
"$define") ;;  
*) exp_file=true;;  
esac  
;;  
esac
```

```
cd ..  
while test "$type"; do  
redo="
```

```

rp="$orig_rp"
dflt="$orig_dflt"
case "$tilde" in
true) rp="$rp (~name ok)";;
esac
. UU/myread
?X: check for allowed escape sequence which may be accepted verbatim.
if test -f UU/getfile.ok && \
  $contains "^$ans\$" UU/getfile.ok >/dev/null 2>&1
then
  value="$ans"
  ansexp="$ans"
  break
fi
case "$ans" in
none)
  value=""
  ansexp=""
  case "$none_ok" in
true) type="";;
esac
;;
*)
  case "$tilde" in
  ") value="$ans"
  ansexp="$ans";;
  *)
  value=`UU/filexp $ans`
  case
$? in
  0)
  if test "$ans" != "$value"; then
    echo "(That expands to $value on this system.)"
  fi
  ;;
  *) value="$ans";;
esac
  ansexp="$value"
  case "$exp_file" in
  ") value="$ans";;
esac
;;
esac
case "$fullpath" in
true)
?X: Perform all the checks on ansexp and not value since when d_portable
?X: is defined, the original un-expanded answer which is stored in value
?X: would lead to "non-existent" error messages whilst ansexp has been

```

?X: properly expanded. -- Fixed by Jan.Djarv@sa.erisoft.se (Jan Djarv)

?X: Always expand ~user if '/' was requested

```
case "$sansexp" in
/*) value="$sansexp" ;;
```

?X: Allow for c:/some/path

```
[a-zA-Z]:/*) value="$sansexp" ;;
```

```
*)
```

```
redo=true
```

```
case "$already" in
```

```
true)
```

```
echo "I shall only accept a full path name, as in /bin/lis." >&4
```

```
echo "Use a ! shell escape if you wish to check pathnames." >&4
```

```
::
```

```
*)
```

```
echo "Please give a full path name, starting with slash." >&4
```

```
case "$stilde"
```

```
in
```

```
true)
```

```
echo "Note that using ~name is ok provided it expands well." >&4
```

```
already=true
```

```
::
```

```
esac
```

```
esac
```

```
::
```

```
esac
```

```
::
```

```
esac
```

```
case "$redo" in
```

```
")
```

```
case "$styp" in
```

```
File)
```

```
for fp in $gfpth; do
```

```
if test "X$fp" = X.; then
```

```
pf="$sansexp"
```

```
else
```

```
pf="$fp/$sansexp"
```

```
fi
```

```
if test -f "$pf"; then
```

```
type="
```

```
elif test -r "$pf" || (test -h "$pf") >/dev/null 2>&1
```

```
then
```

```
echo "($value is not a plain file, but that's ok.)"
```

```
type="
```

```
fi
```

```
if test X"$styp" = X; then
```

```
value="$pf"
```

```
break
```

```
fi
```

```

done
;;
Directory)
for fp in $gfpth; do
if test "X$fp" = X.; then
    dir="$ans"
    direxp="$ansexp"
else
    dir="$fp/$ansexp"
    direxp="$fp/$ansexp"
fi
if test -d "$direxp"; then
    type="
    value="$dir"
    break
fi
done
;;
Locate)
if test -d "$ansexp"; then
    echo "(Looking for $loc_file in directory
$value.)"
    value="$value/$loc_file"
    ansexp="$ansexp/$loc_file"
fi
if test -f "$ansexp"; then
    type="
fi
case "$nopath_ok" in
true) case "$value" in
*/*) ;;
*) echo "Assuming $value will be in people's path."
    type="
    ;;
esac
;;
esac
;;
esac
;;
esac

case "$skip" in
true) type=";
esac

case "$type" in
") ;;
*)
if test "$fastread" = yes; then

```

```

dflt=y
else
dflt=n
fi
rp="$what $value doesn't exist. Use that name anyway?"
. UU/myread
dflt="
case "$ans" in
y*) type=";;
*) echo " ";;
esac
;;
esac
;;
esac
;;
esac
done
cd UU
ans="$value"
rp="$orig_rp"
dflt="$orig_dflt"
rm -f getfile.ok
test "X$gfpthkeep" != Xy && gfpth=""
EOSC

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Getfile.U
```

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

```
?RCS: $Id: mboxchar.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: mboxchar.U,v $
```

```
?RCS: Revision 3.0.1.2 1995/07/25 14:13:12 ram
```

```
?RCS: patch56: ensure ctrl-A characters are visible in prompt (WED)
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/05/06 15:11:22 ram
```

```
?RCS: patch23: added support for MMDF mailboxes (WED)
```

```
?RCS:
```

```

?RCS: Revision 3.0 1993/08/18 12:09:15 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mboxchar: cat package shsharp Myread Oldconfig
?MAKE: -pick add $@ %<
?S:mboxchar:
?S: This variable
contains the eventual value of the MBOXCHAR symbol,
?S: which is how a C program can identify a file as a mailbox.
?S:.
?C:MBOXCHAR:
?C: This symbol contains a character which will match the beginning
?C: of a mailbox file.
?C:.
?H:#define MBOXCHAR '$mboxchar' /**/
?H:.
?T:CTRLA
?INIT:CTRLA=`echo a | tr a '\001`
: determine how to determine when a file is a mailbox
case "$mboxchar" in
") dflt=F;;
?X: The following ^A is two-chars to ensure it will print out -- WED
"$CTRLA") dflt='^A';;
*) dflt="$mboxchar";;
esac
$cat <<EOM

```

In saving articles, \$package wants to differentiate between saving to mailbox format files and normal files. It does this by examining the first character of the file in question. On most systems the first line starts with "From ...", so the first character is an F. Other systems use magic cookies like control codes between articles, so one of those would be first. For example, MMDF messages are separated with lines of four control-A's (you may specify one as ^A, i.e. caret A).

```

EOM
rp="What's the first character of a mailbox file?"
. ./myread
mboxchar="$ans"
case "$mboxchar" in
'F') ;;
"$CTRLA") ;;
'^A'|^a) mboxchar="$CTRLA";;
*) cat <<'EOM'

```

You will need to edit the shell script mbox.saver to properly append an article to a mailbox. The arguments to the script are documented in



EOM

```
case "$shsharp" in
false) echo "comments in mbox.saver.std.";;
true) echo "comments in the shell script itself.";;
esac
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mboxchar.U
```

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

?RCS: \$Id: d\_getopt.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_getopt.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:13 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getopt: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getopt:

?S: This variable conditionally defines the HAS\_GETOPT symbol, which

?S: indicates that the getopt() routine exists. The getopt() routine

?S: parses command line options in a standard fashion.

?S:.

?C:HAS\_GETOPT (GETOPT):

?C: This symbol, if defined, indicates that the getopt() routine exists.

?C:.

?H:#\$d\_getopt HAS\_GETOPT /\*\*/

?H:.

?LINT:set d\_getopt

: see if getopt exists

set getopt d\_getopt

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getopt.U
```

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

```
?RCS: $Id: i_locale.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_locale.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:48:23 ram
?RCS: patch61: created
?RCS:
?MAKE:i_locale: Inhdr
?MAKE: -pick add $@ %<
?S:i_locale:
?S: This variable conditionally defines the I_LOCALE symbol,
?S: and indicates whether a C program should include <locale.h>.
?S:.
?C:I_LOCALE:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <locale.h>.
?C:.
?H:#$i_locale I_LOCALE /**/
?H:.
?LINT:set
i_locale
: see if locale.h is available
set locale.h i_locale
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_locale.U
```

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

```
?RCS: $Id: sitearch.U,v 3.1 1999/07/08 18:32:29 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996-1998, Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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```

?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: sitearch.U,v \$  
?RCS: Revision 3.1 1999/07/08 18:32:29 doughera  
?RCS: Updated for perl5.005\_5x  
?RCS:  
?RCS: Revision 3.0.1.1 1997/02/28 16:21:30 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sitearch sitearchexp installsitearch d\_sitearch: cat sed Getfile \  
Oldconfig Setprefixvar Prefixit test archname sitelib  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?D:sitearch="  
?S:sitearch:  
?S: This variable contains the eventual  
value of the SITEARCH symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this directory while performing installation (with ~ substitution).  
?S: The standard distribution will put nothing in this directory.  
?S: After perl has been installed, users may install their own local  
?S: architecture-dependent modules in this directory with  
?S: MakeMaker Makefile.PL  
?S: or equivalent. See INSTALL for details.  
?S:.  
?D:sitearchexp="  
?S:sitearchexp:  
?S: This variable is the ~name expanded version of sitearch, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installsitearch="  
?S:installsitearch:  
?S: This variable is really the same as sitearchexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?D:d\_sitearch="  
?S:d\_sitearch:  
?S: This variable conditionally defines SITEARCH to hold the  
pathname  
?S: of architecture-dependent library files for \$package. If  
?S: \$sitearch is the same as \$archlib, then this is set to undef.  
?S:.  
?C:SITEARCH:  
?C: This symbol contains the name of the private library for this package.  
?C: The library is private in the sense that it needn't be in anyone's

?C: execution path, but it should be accessible by the world. The program  
?C: should be prepared to do ~ expansion.  
?C: The standard distribution will put nothing in this directory.  
?C: After perl has been installed, users may install their own local  
?C: architecture-dependent modules in this directory with  
?C: MakeMaker Makefile.PL  
?C: or equivalent. See INSTALL for details.  
?C:.  
?C:SITEARCH\_EXP:  
?C: This symbol contains the ~name expanded version of SITEARCH, to be used  
?C: in programs that are not prepared to deal with ~ expansion at run-time.  
?C:.  
?H:#\$d\_sitearch SITEARCH "\$sitearch" /\*\*/  
?H:#\$d\_sitearch SITEARCH\_EXP "\$sitearchexp" /\*\*/  
?H:.  
?LINT:change prefixvar  
?LINT:set installsitearch  
?LINT:set  
sitearch  
?LINT:set sitearchexp  
: determine where site specific architecture-dependent libraries go.  
: sitelib default is /usr/local/lib/perl5/site\_perl/\$version  
: sitearch default is /usr/local/lib/perl5/site\_perl/\$version/\$archname  
: sitelib may have an optional trailing /share.  
case "\$sitearch" in  
") dflt=`echo \$sitelib | \$sed 's,/share\$,,'`  
dflt="\$dflt/\$archname"  
;;  
\*) dflt="\$sitearch"  
;;  
esac  
set sitearch sitearch none  
eval \$prefixit  
\$cat <<EOM

The installation process will also create a directory for  
architecture-dependent site-specific extensions and modules.

```
EOM
fn=d~+
rp='Pathname for the site-specific architecture-dependent library files?'
./getfile
prefixvar=sitearch
./setprefixvar
if $test X"$sitearch" = X"$sitelib"; then
d_sitearch="$undef"
else
d_sitearch="$define"
```

fi

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitearch.U

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

?RCS: \$Id: d\_killpg.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS:

?RCS: \$Log: d\_killpg.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:27 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_killpg: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_killpg:

?S: This variable conditionally defines the HAS\_KILLPG symbol, which

?S: indicates to the C program that the killpg() routine is available

?S: to kill process groups.

?S:.

?C:HAS\_KILLPG (KILLPG):

?C: This symbol, if defined, indicates that the killpg routine is available

?C: to kill

process groups. If unavailable, you probably should use kill

?C: with a negative process number.

?C:.

?H:#\$d\_killpg HAS\_KILLPG /\*\*/

?H:.

?LINT:set d\_killpg

: see if killpg exists

set killpg d\_killpg

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_killpg.U

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

?RCS: \$Id: errnolist.U,v 3.0.1.2 1997/02/28 15:48:01 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: errnolist.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:48:01 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: likewise for .o replaced by \$\_o

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:10:54 ram

?RCS: patch16: created

?RCS:

?MAKE:errnolist errnolist\_SH errnolist\_a errnolist\_c errnolist\_o: cat \  
Compile +d\_sysernlst\_a\_o

?MAKE: -pick add \$@ %<

?S:errnolist:

?S: This variable holds the base name of a file containing the  
?S: definition  
of the sys\_errnolist array, if the C library  
?S: doesn't provide it already. Otherwise, its value is empty.

?S: The following lines should be included in your Makefile.SH:

?S:

?S: case "\$serrnolist" in

?S: ") ;;

?S: \*)

?S: \$spitshell >>Makefile <<!GROK!THIS!

?S: \$serrnolist\_c: \$serrnolist\_SH \$serrnolist\_a

?S: sh ./serrnolist\_SH

?S:

?S: !GROK!THIS!

?S: ;;

?S: esac

?S:

?S: You may define the 'errnolist' variable in your Myinit.U if you  
?S: wish to override its default value "errnolist".

?S:.

?S:errnolist\_SH:

?S: This is the name of a file which will generate errnolistic.

?S:.

?S:errnolist\_a:

?S: This is the name of the awk script called by errnolist\_SH.

?S:.

?S:errnolist\_c:

?S: This is the name of a generated C file which provides the

?S: definition of the sys\_errnolist array.

?S:.

?S:errnolist\_o:

?S: This is the name of the object file which provides the

?S: definition of the sys\_errnolist array, if the C library

?S: doesn't provide it already. Otherwise, its value is empty.

?S:.

```
?INIT:errnolist=errnolist
: check for sys_errnolist
@if d_sysernlst || HAS_SYS_ERRNOLIST
case "$d_sysernlst" in
"$define")
    errnolist="
    errnolist_SH="
    errnolist_a="
    errnolist_c="
    errnolist_o="
;;
*)
echo " "
echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"
    errnolist_SH=$errnolist.SH
    errnolist_a=$errnolist$_a
    errnolist_c=$errnolist.c
    errnolist_o=$errnolist$_o
;;
esac
@else
echo " "
$cat <<EOM
Checking to see if your C library provides us with sys_errnolist[...]
EOM
$cat >errnolist.c <<'EOCP'
extern char *sys_errnolist[];
int main() {
    char *p0 = sys_errnolist[0];
    char *p1 = sys_errnolist[1];

    return (p0 == p1); /* Make sure they're not optimized away */
}
EOCP
set errnolist
if eval $compile; then
    echo "It does."
    errnolist="
    errnolist_SH="
    errnolist_a="
```

```

errnolist_c="
errnolist_o="
else
echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"
errnolist_SH=$errnolist.SH
errnolist_a=$errnolist$_a
errnolist_c=$errnolist.c
errnolist_o=$errnolist$_o
fi
@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/errnolist.U
```

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

?RCS: \$Id: instubperl.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:installusrbinperl: installbin cat bin Myread Setvar test Devel

?MAKE: -pick add \$@ %<

?LINT:set installusrbinperl

?Y:TOP

?S:installusrbinperl:

?S: This variable tells whether Perl should be installed also as

?S: /usr/bin/perl in addition to

?S: \$installbin/perl

?S:.

?C:INSTALL\_USR\_BIN\_PERL:

?C: This symbol, if defined, indicates that Perl is to be installed

?C: also as /usr/bin/perl.

?C:.

?H:#\$installusrbinperl INSTALL\_USR\_BIN\_PERL /\*\*/

?H:.

: determine

whether to install perl also as /usr/bin/perl

echo " "

if \$test -d /usr/bin -a "X\$installbin" != X/usr/bin; then

\$cat <<EOM

Many scripts expect perl to be installed as /usr/bin/perl.



If you want to, I can install the perl you are about to compile  
as /usr/bin/perl (in addition to \$bin/perl).

EOM

```
if test -f /usr/bin/perl; then
    $cat <<EOM
```

However, please note that because you already have a /usr/bin/perl,  
overwriting that with a new Perl would very probably cause problems.  
Therefore I'm assuming you don't want to do that (unless you insist).

EOM

```
case "$installusrbinperl" in
    "$define"|[yY]*) dflt='y';;
    *) dflt='n';;
esac
else
    $cat <<EOM
```

Since you don't have a /usr/bin/perl I'm assuming creating one is okay.

EOM

```
case "$installusrbinperl" in
    "$undef"|[nN]*) dflt='n';;
    *) dflt='y';;
esac
fi
rp="Do you want to install perl as /usr/bin/perl?"
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef" ;;
esac
else
val="$undef"
fi
set
installusrbinperl
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/instubperl.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_sendmsg: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sendmsg:  
?S: This variable conditionally defines the HAS\_SENDMSG symbol, which  
?S: indicates to the C program that the sendmsg() routine is available.  
?S:.  
?C:HAS\_SENDMSG:  
?C: This symbol, if defined, indicates that the sendmsg routine is  
?C: available to send structured socket messages.  
?C:.  
?H:#\$d\_sendmsg HAS\_SENDMSG /\*\*/  
?H:.  
?LINT:set d\_sendmsg  
: see if sendmsg exists  
set sendmsg d\_sendmsg  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sendmsg.U

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

?RCS: \$Id: d\_stdstdio.U,v 3.0.1.3 1997/02/28 15:46:32 ram Exp \$  
?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: Original Author: Tye McQueen <tye@metronet.com>  
?RCS:  
?RCS: \$Log: d\_stdstdio.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:46:32 ram  
?RCS: patch61: merged with perl5's unit  
?RCS:  
?RCS: Revision 3.0.1.2 1995/07/25 14:06:54 ram  
?RCS: patch56: typo fix on ?C: line for FILE\_bufsiz  
?RCS: patch56: fixed unbalanced parenthesis (ADO)  
?RCS: patch56: check whether FILE\_cnt and FILE\_ptr can be assigned to (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1995/05/12 12:12:11 ram

?RCS:  
patch54: complete rewrite by Tye McQueen to fit modern systems

?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:d\_stdstdio d\_stdiobase stdio\_ptr stdio\_cnt \  
d\_stdio\_ptr\_lval\_sets\_cnt d\_stdio\_ptr\_lval\_nochange\_cnt stdio\_base \  
stdio\_bufsiz d\_stdio\_cnt\_lval d\_stdio\_ptr\_lval stdio\_filbuf: cat \  
Compile contains rm\_try d\_gnulibc gnulibc\_version i\_stdlib \  
Setvar Findhdr Oldconfig run to

?MAKE: -pick weed \$@ %<

?S:d\_stdstdio:  
?S: This variable conditionally defines USE\_STDIO\_PTR if this system  
?S: has a FILE structure declaring usable \_ptr and \_cnt fields (or  
?S: equivalent) in stdio.h.

?S:.  
?S:stdio\_ptr:  
?S: This variable defines how, given a FILE pointer, fp, to access the  
?S: \_ptr field (or equivalent) of stdio.h's FILE structure. This will  
?S: be used to define the macro FILE\_ptr(fp).

?S:.  
?S:d\_stdio\_ptr\_lval:  
?S: This variable conditionally defines STDIO\_PTR\_LVALUE if the  
?S: FILE\_ptr macro can be used as an lvalue.

?S:.  
?S:stdio\_cnt:  
?S: This  
variable defines how, given a FILE pointer, fp, to access the  
?S: \_cnt field (or equivalent) of stdio.h's FILE structure. This will  
?S: be used to define the macro FILE\_cnt(fp).

?S:.  
?S:d\_stdio\_cnt\_lval:  
?S: This variable conditionally defines STDIO\_CNT\_LVALUE if the  
?S: FILE\_cnt macro can be used as an lvalue.

?S:.  
?S:d\_stdio\_ptr\_lval\_sets\_cnt:  
?S: This symbol is defined if using the FILE\_ptr macro as an lvalue  
?S: to increase the pointer by n has the side effect of decreasing the  
?S: value of File\_cnt(fp) by n.

?S:.  
?S:d\_stdio\_ptr\_lval\_nochange\_cnt:  
?S: This symbol is defined if using the FILE\_ptr macro as an lvalue  
?S: to increase the pointer by n leaves File\_cnt(fp) unchanged.

?S:.  
?S:stdio\_filbuf:  
?S: This variable defines how, given a FILE pointer, fp, to tell  
?S: stdio to refill its internal buffers (?). This will

?S: be used to define the macro FILE\_filbuf(fp).

?S:.

?S:d\_stdiobase:

?S: This variable conditionally defines USE\_STDIO\_BASE if this system

?S: has

    a FILE structure declaring a usable \_base field (or equivalent)

?S: in stdio.h.

?S:.

?S:stdio\_base:

?S: This variable defines how, given a FILE pointer, fp, to access the

?S: \_base field (or equivalent) of stdio.h's FILE structure. This will

?S: be used to define the macro FILE\_base(fp).

?S:.

?S:stdio\_bufsiz:

?S: This variable defines how, given a FILE pointer, fp, to determine

?S: the number of bytes store in the I/O buffer pointer to by the

?S: \_base field (or equivalent) of stdio.h's FILE structure. This will

?S: be used to define the macro FILE\_bufsiz(fp).

?S:.

?C:USE\_STDIO\_PTR ~ d\_stdstdio (USE\_STD\_STDIO STDSTDIO):

?C: This symbol is defined if the \_ptr and \_cnt fields (or similar)

?C: of the stdio FILE structure can be used to access the stdio buffer

?C: for a file handle. If this is defined, then the FILE\_ptr(fp)

?C: and FILE\_cnt(fp) macros will also be defined and should be used

?C: to access these fields.

?C:.

?C:FILE\_ptr:

?C: This macro is used to access the \_ptr

    field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_PTR\_LVALUE:

?C: This symbol is defined if the FILE\_ptr macro can be used as an

?C: lvalue.

?C:.

?C:FILE\_cnt:

?C: This macro is used to access the \_cnt field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_PTR is defined.

?C:.

?C:STDIO\_CNT\_LVALUE:

?C: This symbol is defined if the FILE\_cnt macro can be used as an

?C: lvalue.

?C:.

?C:STDIO\_PTR\_LVAL\_SETS\_CNT:

?C: This symbol is defined if using the FILE\_ptr macro as an lvalue

?C: to increase the pointer by n has the side effect of decreasing the

?C: value of File\_cnt(fp) by n.

?C:.

?C:STDIO\_PTR\_LVAL\_NOCHANGE\_CNT:

?C: This symbol is defined if using the FILE\_ptr macro as an lvalue

?C: to increase the pointer by n leaves File\_cnt(fp) unchanged.

?C:.

?C:FILE\_filbuf:

?C: This macro is used to access the internal stdio  
\_filbuf function

?C: (or equivalent), if STDIO\_CNT\_LVALUE and STDIO\_PTR\_LVALUE

?C: are defined. It is typically either \_filbuf or \_\_filbuf.

?C: This macro will only be defined if both STDIO\_CNT\_LVALUE and

?C: STDIO\_PTR\_LVALUE are defined.

?C:.

```
?H:?d_stdstdio:#$d_stdstdio USE_STDIO_PTR /**/
?H:?d_stdstdio:#ifdef USE_STDIO_PTR
?H:#define FILE_ptr(fp) $stdio_ptr
?H:#$d_stdstdio_ptr_lval STDIO_PTR_LVALUE /**/
?H:#define FILE_cnt(fp) $stdio_cnt
?H:#$d_stdstdio_cnt_lval STDIO_CNT_LVALUE /**/
?H:#$d_stdstdio_ptr_lval_sets_cnt STDIO_PTR_LVAL_SETS_CNT /**/
?H:#$d_stdstdio_ptr_lval_nochange_cnt STDIO_PTR_LVAL_NOCHANGE_CNT /**/
?H:?FILE_filbuf:#if defined(STDIO_PTR_LVALUE) && defined(STDIO_CNT_LVALUE)
?H:?FILE_filbuf:#define FILE_filbuf(fp) $stdio_filbuf /**/
?H:?FILE_filbuf:#endif
?H:?d_stdstdio:#endif
?H:.
```

?W:d\_stdstdio:FILE\_ptr FILE\_cnt FILE\_filbuf

?C:USE\_STDIO\_BASE ~ d\_stdibase:

?C: This symbol is defined if the \_base field (or similar) of the

?C: stdio FILE structure can be used to access the

stdio buffer for

?C: a file handle. If this is defined, then the FILE\_base(fp) macro

?C: will also be defined and should be used to access this field.

?C: Also, the FILE\_bufsiz(fp) macro will be defined and should be used

?C: to determine the number of bytes in the buffer. USE\_STDIO\_BASE

?C: will never be defined unless USE\_STDIO\_PTR is.

?C:.

?C:FILE\_base:

?C: This macro is used to access the \_base field (or equivalent) of the

?C: FILE structure pointed to by its argument. This macro will always be

?C: defined if USE\_STDIO\_BASE is defined.

?C:.

?C:FILE\_bufsiz:

?C: This macro is used to determine the number of bytes in the I/O

?C: buffer pointed to by \_base field (or equivalent) of the FILE

?C: structure pointed to its argument. This macro will always be defined

?C: if USE\_STDIO\_BASE is defined.

```

?C:.
?H:?d_stdiobase:#$d_stdiobase USE_STDIO_BASE /**/
?H:?d_stdiobase:#ifdef USE_STDIO_BASE
?H:#define FILE_base(fp) $stdio_base
?H:#define FILE_bufsiz(fp) $stdio_bufsiz
?H:?d_stdiobase:#endif
?H:.
?W:d_stdiobase:FILE_base
FILE_bufsiz
?T:ptr_lval cnt_lval filbuf xxx
?F:!try
?LINT:set d_stdstdio d_stdiobase
: see if _ptr and _cnt from stdio act std
echo " "

if $contains '_lbfsize' `./findhdr stdio.h` >/dev/null 2>&1 ; then
echo "(Looks like you have stdio.h from BSD.)"
case "$stdio_ptr" in
") stdio_ptr='((fp)->_p)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt" in
") stdio_cnt='((fp)->_r)'
cnt_lval=$define
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_ub._base ? (fp)->_ub._base : (fp)->_bf._base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_ub._base ? (fp)->_ub._size : (fp)->_bf._size)';;
esac
elif $contains '_IO_fpos_t' `./findhdr stdio.h` `./findhdr libio.h` >/dev/null 2>&1 ; then
echo "(Looks like you have stdio.h from Linux.)"
case "$stdio_ptr" in
") stdio_ptr='((fp)->_IO_read_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt"
in
") stdio_cnt='((fp)->_IO_read_end - (fp)->_IO_read_ptr)'
cnt_lval=$undef
;;

```

```

*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_IO_read_base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_IO_read_end - (fp)->_IO_read_base)';;
esac
else
case "$stdio_ptr" in
") stdio_ptr='((fp)->_ptr)'
ptr_lval=$define
;;
*) ptr_lval=$d_stdio_ptr_lval;;
esac
case "$stdio_cnt" in
") stdio_cnt='((fp)->_cnt)'
cnt_lval=$define
;;
*) cnt_lval=$d_stdio_cnt_lval;;
esac
case "$stdio_base" in
") stdio_base='((fp)->_base)';;
esac
case "$stdio_bufsiz" in
") stdio_bufsiz='((fp)->_cnt + (fp)->_ptr - (fp)->_base)';;
esac
fi

```

: test whether \_ptr and \_cnt really work

```
echo "Checking how std your stdio is..." >&4
```

```
$cat >try.c <<EOP
```

```
#include <stdio.h>
```

```
#$i_stdlib I_STDLIB
```

```
#ifdef I_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
#define FILE_ptr(fp) $stdio_ptr
```

```
#define FILE_cnt(fp) $stdio_cnt
```

```
int main() {
```

```
FILE *fp = fopen("try.c", "r");
```

```
char c = getc(fp);
```

```
if
```

```
(
```

```
18 <= FILE_cnt(fp) &&
```

```
strncmp(FILE_ptr(fp), "include <stdio.h>\n", 18) == 0
```

```
)
```

```
exit(0);
```

```

exit(1);
}
EOP
val="$undef"
set try
if eval $compile && $to try.c; then
if $run ./try; then
echo "Your stdio acts pretty std."
val="$define"
else
echo "Your stdio isn't very std."
fi
else
echo "Your stdio doesn't appear very std."
fi
$rm_try

# glibc 2.2.90 and above apparently change stdio streams so Perl's
# direct buffer manipulation no longer works. The Configure tests
# should be changed to correctly detect this, but until then,
# the following check should at least let perl compile and run.
# (This quick fix should be updated before 5.8.1.)
# To be defensive, reject all unknown versions, and all versions > 2.2.9.
# A. Dougherty, June 3, 2002.
case "$d_gnulibc" in
$define)
case "$gnulibc_version" in
2.[01]*) ;;
2.2) ;;
2.2.[0-9]) ;;
*) echo "But I will not snoop inside glibc $gnulibc_version stdio buffers."
val="$undef"
;;
esac
;;
esac
set d_stdstdio
eval
$setvar

@if STDIO_PTR_LVALUE || d_stdio_ptr_lval
: Can _ptr be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$ptr_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_ptr_lval

```



```

eval $setvar
@end

@if STDIO_CNT_LVALUE || d_stdio_cnt_lval
: Can _cnt be used as an lvalue?
?X: Only makes sense if we have a known stdio implementation.
case "$d_stdstdio$cnt_lval" in
$define$define) val=$define ;;
*) val=$undef ;;
esac
set d_stdio_cnt_lval
eval $setvar
@end

@if FILE_filbuf
: How to access the stdio_filbuf or __filbuf function.
: If this fails, check how the getc macro in stdio.h works.
case "${d_stdio_ptr_lval}${d_stdio_cnt_lval}" in
${define}${define})
: Try $hint value, if any, then _filbuf, __filbuf, _fill, then punt.
: _fill is for os/2.
xxx='notok'
for filbuf in $stdio_filbuf '_filbuf(fp)' '__filbuf(fp)' '_fill(fp)' ; do
$cat >try.c <<EOP
#include <stdio.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#define
FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
#define FILE_filbuf(fp) $filbuf
int main() {
FILE *fp = fopen("try.c", "r");
int c;
c = getc(fp);
c = FILE_filbuf(fp); /* Just looking for linker errors.*/
exit(0);
}
EOP
set try
if eval $compile && $to try.c && $run ./try; then
echo "Your stdio appears to use $filbuf"
stdio_filbuf="$filbuf"
xxx='ok'
break
else

```

```

    echo "Hmm. $filbuf doesn't seem to work."
fi
$rm_try
done
case "$xxx" in
notok) echo "I can't figure out how to access _filbuf"
    echo "I'll just have to work around it."
    d_stdio_ptr_lval="$undef"
    d_stdio_cnt_lval="$undef"
    ;;
esac
;;
esac
@end

@if STUDIO_PTR_LVALUE
: test whether setting _ptr sets _cnt as a side effect
d_stdio_ptr_lval_sets_cnt="$undef"
d_stdio_ptr_lval_nochange_cnt="$undef"
case "$d_stdio_ptr_lval$d_stdstdio" in
$define$define)
    echo "Checking to see what happens if we set the stdio ptr..." >&4
$cat >try.c <<EOP
#include <stdio.h>
/* Can
we scream? */
/* Eat dust sed :-) */
/* In the buffer space, no one can hear you scream. */
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#define FILE_ptr(fp) $stdio_ptr
#define FILE_cnt(fp) $stdio_cnt
#include <sys/types.h>
int main() {
    FILE *fp = fopen("try.c", "r");
    int c;
    char *ptr;
    size_t cnt;
    if (!fp) {
        puts("Fail even to read");
        exit(1);
    }
    c = getc(fp); /* Read away the first # */
    if (c == EOF) {
        puts("Fail even to read");
        exit(1);
    }
}

```

```

}
if (!(
  18 <= FILE_cnt(fp) &&
  strncmp(FILE_ptr(fp), "include <stdio.h>\n", 18) == 0
)) {
  puts("Fail even to read");
  exit (1);
}
ptr = (char*) FILE_ptr(fp);
cnt = (size_t)FILE_cnt(fp);

FILE_ptr(fp) += 42;

if ((char*)FILE_ptr(fp) != (ptr + 42)) {
  printf("Fail ptr check %p != %p", FILE_ptr(fp), (ptr + 42));
  exit (1);
}
if (FILE_cnt(fp) <= 20) {
  printf ("Fail (<20 chars to test)");
  exit (1);
}
if (strncmp(FILE_ptr(fp), "Eat dust sed :-) */\n", 20) != 0) {
  puts("Fail compare");
  exit
(1);
}
if (cnt == FILE_cnt(fp)) {
  puts("Pass_unchanged");
  exit (0);
}
if (FILE_cnt(fp) == (cnt - 42)) {
  puts("Pass_changed");
  exit (0);
}
printf("Fail count was %d now %d\n", cnt, FILE_cnt(fp));
return 1;

}
EOP
set try
if eval $compile && $to try.c; then
  case ` $run ./try ` in
    Pass_changed)
      echo "Increasing ptr in your stdio decreases cnt by the same amount. Good." >&4
      d_stdio_ptr_lval_sets_cnt="$define" ;;
    Pass_unchanged)
      echo "Increasing ptr in your stdio leaves cnt unchanged. Good." >&4
      d_stdio_ptr_lval_nochange_cnt="$define" ;;

```

```

Fail*)
    echo "Increasing ptr in your stdio didn't do exactly what I expected. We'll not be doing that then." >&4 ;;
*)
    echo "It appears attempting to set ptr in your stdio is a bad plan." >&4 ;;
esac
else
    echo "It seems we can't set ptr in your stdio. Nevermind." >&4
fi
$rm_try
;;
esac
@end

```

```
@if d_stdio_base || USE_STDIO_BASE || FILE_base || FILE_bufsiz
```

```
: see if _base is also standard
```

```
val="$undef"
```

```
case
```

```
"$d_stdstdio" in
```

```
$define)
```

```
$cat >try.c <<EOP
```

```
#include <stdio.h>
```

```
#$i_stdlib I_STDLIB
```

```
#ifdef I_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
#define FILE_base(fp) $stdio_base
```

```
#define FILE_bufsiz(fp) $stdio_bufsiz
```

```
int main() {
```

```
FILE *fp = fopen("try.c", "r");
```

```
char c = getc(fp);
```

```
if (
```

```
    19 <= FILE_bufsiz(fp) &&
```

```
    strncmp(FILE_base(fp), "#include <stdio.h>\n", 19) == 0
```

```
)
```

```
    exit(0);
```

```
    exit(1);
```

```
}
```

```
EOP
```

```
set try
```

```
if eval $compile && $to try.c; then
```

```
if $run ./try; then
```

```
    echo "And its _base field acts std."
```

```
    val="$define"
```

```
else
```

```
    echo "But its _base field isn't std."
```

```
fi
```

```
else
```

```
    echo "However, it seems to be lacking the _base field."
```

```
fi
$rm_try
;;
esac
set d_stdibase
eval $setvar
```

@end

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_stdstdio.U
```

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

?RCS: \$Id: Myinit.U,v 3.0 1993/08/18 12:05:07 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: Myinit.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:07 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: If you want to initialize any default values, copy this unit to your

?X: personal U directory and add the assignments to the end. This file

?X: is included after variables are initialized but before any old

?X: config.sh file is read in and before any Configure switch processing.

?X:

?MAKE:Myinit

libswanted: Init

?MAKE: -pick add \$@ %<

?S:libswanted:

?S: This variable holds a list of all the libraries we want to

?S: search. The order is chosen to pick up the c library

?S: ahead of ucb or bsd libraries for SVR4.

?S:.

?LINT:extern usevfork glibpth

?LINT:change usevfork glibpth

: List of libraries we want.

?X: Put crypt here, even though I should really fix d\_crypt.U to look

?X: for it correctly, including possible shared library versions.

: If anyone needs extra -lxxx, put those in a hint file.  
libswanted="cl pthread socket bind inet nsl ndbm gdbm dbm db malloc dl ld"  
libswanted="\$libswanted sun m crypt sec util c cposix posix ucb bsd BSD"  
: We probably want to search /usr/shlib before most other libraries.  
: This is only used by the lib/ExtUtils/MakeMaker.pm routine extliblist.  
glibpth=`echo " \$glibpth " | sed -e 's! /usr/shlib ! !`  
glibpth="/usr/shlib \$glibpth"  
: Do not use vfork unless overridden by a hint file.  
usevfork=false

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Myinit.U

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

?RCS: \$Id: Obsol\_h.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Obsol\_h.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:11 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file is prepended to .MT/Obsol\_h if that file is not empty. That file

?X: contains the necessary mappings of new symbols to obsolete ones.

?X:

?MAKE:Obsol\_h:

?MAKE: -pick prepend \$@ ./Obsol\_h

?LINT:nocomment

/\*

\* The following symbols are obsolete. They are mapped to the the new

\* symbols only to ease the transition process. The

sources should be

\* updated so as to use the new symbols only, as the support for these

\* obsolete symbols may end without notice.

\*/

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Obsol\_h.U

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

```
?RCS: $Id: bin.U,v 3.1 1999/07/09 18:20:13 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: bin.U,v $
?RCS: Revision 3.1 1999/07/09 18:20:13 doughera
?RCS: Updated for installprefix
?RCS:
?RCS: Revision 3.0.1.4 1995/09/25 09:15:32 ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.3 1995/01/30 14:32:40 ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.2 1994/08/29 16:05:28 ram
?RCS: patch32: now uses installation prefix
?RCS:
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 15:56:51 ram
?RCS: patch10: made prompting more explicit (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:26 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:bin binexp installbin userlocatableinc initialinstalllocation: \
Myread Prefixit Getfile Setvar Setprefixvar Oldconfig \
test prefix prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?D:bin="
?S:bin:
?S: This variable holds the name of the directory in which the user wants
?S: to put publicly executable images for the package in question. It
?S: is most often a local directory such as /usr/local/bin. Programs using
?S: this variable must be prepared to deal with ~name substitution.
?S:.
?D:binexp="
?S:binexp:
?S: This is the same as the bin variable, but is filename expanded at
?S: configuration time, for use in your makefiles.
```

?S:  
?D:installbin="  
?S:installbin:  
?S: This variable is the same as binexp unless AFS is running in which case  
?S: the user is explicitly prompted for it. This variable  
should always  
?S: be used in your makefiles for maximum portability.  
?S:  
?D:userrelocatableinc="  
?S:userrelocatableinc:  
?S: This variable is set to true to indicate that perl should relocate  
?S: @INC entries at runtime based on the path to the perl binary.  
?S: Any @INC paths starting ".../" are relocated relative to the directory  
?S: containing the perl binary, and a logical cleanup of the path is then  
?S: made around the join point (removing "dir../" pairs)  
?S:  
?S:initialinstalllocation:  
?S: When userrelocatableinc is true, this variable holds the location  
?S: that make install should copy the perl binary to, with all the  
?S: run-time relocatable paths calculated from this at install time.  
?S: When used, it is initialized to the original value of binexp, and  
?S: then binexp is set to '.../', as the other binaries are found  
?S: relative to the perl binary.  
?S:  
?C:BIN:  
?C: This symbol holds the path of the bin directory where the package will  
?C: be installed. Program must be  
prepared to deal with ~name substitution.  
?C:  
?C:BIN\_EXP:  
?C: This symbol is the filename expanded version of the BIN symbol, for  
?C: programs that do not want to deal with that at run-time.  
?C:  
?C:PERL\_RELOCATABLE\_INC:  
?C: This symbol, if defined, indicates that we'd like to relocate entries  
?C: in @INC at run time based on the location of the perl binary.  
?C:  
?H:#define BIN "\$bin" /\*\*/  
?H:#define BIN\_EXP "\$binexp" /\*\*/  
?H:#define PERL\_RELOCATABLE\_INC "\$userrelocatableinc" /\*\*/  
?H:  
?D:bin='/usr/local/bin'  
?LINT:change prefix  
?LINT:change prefixexp  
?LINT:change prefixvar  
?LINT:change installprefixexp  
?LINT:set userrelocatableinc  
: determine where public executables go



```

echo " "
set dflt bin bin
eval $prefixit
fn=d~
rp='Pathname where the public executables will reside?'
./getfile
if $test "X$sansexp" != "X$binexp"; then
  installbin="
fi
prefixvar=bin
: XXX Bug? -- ignores Configure -Dinstallprefix setting.
: XXX If this is fixed, also fix the "start perl" hunk below, which relies on
:
  this via initialinstalllocation
./setprefixvar

case "$user relocatableinc" in
$define|true|[yY]*) dflt='y' ;;
*) dflt='n' ;;
esac
cat <<EOM

```

Would you like to build Perl so that the installation is relocatable, so that library paths in @INC are determined relative to the path of the perl binary? This is not advised for system Perl installs, or if you need to run setid scripts or scripts under taint mode.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```

EOM
rp='Use relocatable @INC?'
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set user relocatableinc
eval $setvar

```

```

initialinstalllocation="$binexp"
: Default prefix is now "up one level from where the binaries are"
case "$user relocatableinc" in
$define|true|[yY]*)
  bin="..."
  binexp="..."
  prefix="..."
  prefixexp="..."
  installprefixexp="..."
;;

```

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/bin.U

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

?RCS: \$Id: Extract.U,v 3.0.1.2 1997/02/28 14:58:52 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Extract.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 15:51:46 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a shell script which can be doted in order to extract

?X: .SH files with variable substitutions.

?X:

?X: When running

Configure from a remote directory (\$src is not '.'),

?X: then the files will be created in that directory, so beware!

?X:

?MAKE:Extract: src

?MAKE: -pick add \$@ %<

?F:./extract

?T:PERL\_CONFIG\_SH dir file name create mkdir\_p

: script used to extract .SH files with variable substitutions

cat >extract <<'EOS'

PERL\_CONFIG\_SH=true

echo "Doing variable substitutions on .SH files..."

if test -f MANIFEST; then

set x `awk '{print \$1}' < MANIFEST | grep \\.SH\$`

else

echo "(Looking for .SH files under the source directory.)"

set x `(cd "\$src"; find . -name "\*.SH" -print)`

```

fi
shift
case $# in
0) set x `(cd "$src"; echo *.SH)`; shift;;
esac
if test ! -f "$src/$1"; then
  shift
fi
?X: script to emulate mkdir -p
mkdir_p='
name=$1;
create="";
while test $name; do
if test ! -d "$name"; then
  create="$name $create";
  name=`echo $name | sed -e "s|^[^/]*$||"`;
  name=`echo $name | sed -e "s|(.*).*/.*|1|"`;
else
  name="";
fi;
done;
for file in $create; do
  mkdir $file;
done
'
for file in $*;
do
case "$src" in
".")
case "$file" in
*/*)
  dir=`expr X$file : 'X|(.*)/'`
  file=`expr X$file : 'X.*^(.*)'`
  (cd "$dir" && ./$file)
  ;;
*)
  ./$file
  ;;
esac
;;
*)
?X:
?X: When running Configure remotely ($src is not '.'), we cannot source
?X: the files directly, since that would wrongly cause the extraction
?X: where the source lie instead of withing the current directory. Therefore,
?X: we need to 'sh <file' then, which is okay since they will source the
?X: existing config.sh file. It's not possible to use:
?X: ../src/Configure -S -O -Dsomething

```

?X: unfortunately since no new config.sh with the -Dsomething override

?X: will be created before running the .SH files. A minor buglet.

?X:

?X: Note that we must create the directory hierarchy ourselves if it does

?X: not exist already, and that is done through a shell emulation of the

?X: 'mkdir -p' command. We don't want to use the \$installdir metaconfig

?X: symbol here since that would require too much to

be configured for

?X: this simple extraction task that may happen quickly with 'Configure -S'.

?X: -- RAM, 18/03/96

?X:

```
case "$file" in
*)
  dir=`expr X$file : 'X\(.*)/'`
  file=`expr X$file : 'X.*\^(.*)'`
  (set x $dir; shift; eval $mkdir_p)
  sh <"$src/$dir/$file"
  ;;
*)
  sh <"$src/$file"
  ;;
esac
;;
esac
done
if test -f "$src/config_h.SH"; then
if test ! -f config.h; then
: oops, they left it out of MANIFEST, probably, so do it anyway.
. "$src/config_h.SH"
fi
fi
EOS
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Extract.U

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Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_charsprf.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_PORTAR.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_setlocale.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```

5.30.0/U/modified/d_dbl_dig.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_nolnbuf.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_ckeypad.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/Magic_h.U
*
/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_bsdjmp.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_brokstat.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/mkdep.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_dbl_dig.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_pidcheck.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/nlist_pfx.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:i\_machcthr: Inhdr usethreads

?MAKE: -pick add \$@ %<

?S:i\_machcthr:

?S: This variable conditionally defines the I\_MACH\_CTHREADS symbol,

?S: and indicates whether a C program should include <mach/threads.h>.

?S:.

?C:I\_MACH\_CTHREADS:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <mach/threads.h>.

?C:.

?H:#\$i\_machcthr I\_MACH\_CTHREADS /\*\*/

?H:.

: see if mach cthreads are available

if test "X\$usethreads" = "X\$define"; then

set mach/threads.h i\_machcthr

eval \$inhdr

```
else
i_machctr="$undef"
fi
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/i_machctr.U
```

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

```
?RCS: $Id: Config_sh.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Config_sh.U,v $
```

```
?RCS: Revision 3.0.1.3 1997/02/28 14:57:53 ram
```

```
?RCS: patch61: added support for src.U
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1995/01/11 14:53:31 ram
```

```
?RCS: patch45: moved path stripping from d_portable.U to end of Configure
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/10/29 15:50:37 ram
```

```
?RCS: patch36: added ?F: line for metalint file checking
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:04:48 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X:
```

This unit ends up producing the config.sh script, which contains all the

```
?X: definitions figured out by Configure. The add.Config_sh command knows
```

```
?X: which variables need to be remembered. It also adds the EOT (ends the
```

```
?X: here document redirection with variable substitution).
```

```
?X:
```

```
?MAKE:Config_sh: cf_time cf_by test spitshell startsh myuname Myread \
```

```
End Obsol_sh Loc +d_portable package src cat
```

```
?MAKE: -pick add.Config_sh $@ %<
```

```
?MAKE: -pick add $@ ./Obsol_sh
```

```
?MAKE: -pick close.Config_sh $@ %<
```

```
?F:!config.over !config.arch
```

```
?T:file temp
```

```
?LINT:unclosed EOT
```

```
: back to where it started
```

```
if test -d ../UU; then
```

```
cd ..
```

```
fi
```

```
: configuration may be unconditionally patched via a 'config.arch' file
```

```
if $test -f config.arch; then
```

```
echo "I see a config.arch file, loading it." >&4
```

```
. ./config.arch
```

```
fi
```

```
: configuration may be patched via a 'config.over' file
```

```
if $test -f config.over; then
```

```
echo " "
```

```
dflt=y
```

```
rp='I see a config.over file. Do you wish to load it?'
```

```
. UU/myread
```

```
case "$ans" in
```

```
n*) echo
```

```
"OK, I'll ignore it.";;
```

```
*) . ./config.over
```

```
echo "Configuration override changes have been loaded."
```

```
;;
```

```
esac
```

```
fi
```

```
@if d_portable
```

```
: in case they want portability, strip down executable paths
```

```
?X:
```

```
?X: Strip down paths in located executables. For each file, e.g. vi, there
```

```
?X: is a $vi variable whose value is for instance '/usr/bin/vi'. By resetting
```

```
?X: $vi to 'vi', we rely on the PATH variable to locate the executable...
```

```
?X:
```

```
case "$d_portable" in
```

```
"$define")
```

```
echo " "
```

```
echo "Stripping down executable paths..." >&4
```

```
?X:
```

```
?X: Previously, we used to do eval $file="$file" but in order
```

```
?X: to handle things like sh Configure -Dmake=gmake, we can't do
```

```
?X: that. What we *really* want is to strip away the absolute path
```

```
?X: and rely on the end user's $PATH to correctly find the executable.
```

```
?X: This method assumes there is a "basename" command available. If
```

```
?X: not, replace it with the following expr-based command:
```

```
?X: expr $temp : '.*\(.*\)' \| $temp
```

```
?X: Since this preserves the actual
```

```
command name, we can now drop the
```

```
?X: OS/2 specific code.
```

?X: --Andy Dougherty August 1999

?X:

?X: On OS/2, a special \$ar command not even named 'ar' is required,

?X: so we don't strip that name.

?X: Also, on DOS-ish systems, there might not be a ln command, but we

?X: might have ln='cp'.

?X: However, we can't set d\_portable=undef on such systems since

?X: Unix-ish tools don't have standard locations there. Thus we

?X: MUST rely on the user's \$PATH.

?X: --Andy Dougherty 4/1998

?X:

```
for file in $loclist $trylist; do
```

```
    eval temp=\${$file}
```

```
    eval $file=`basename $temp`
```

```
done
```

```
::
```

```
esac
```

@end

: create config.sh file

echo " "

echo "Creating config.sh..." >&4

\$spitshell <<EOT >config.sh

\$startsh

#

# This file was produced by running the Configure script. It holds all the

# definitions figured out by Configure. Should you modify one of these values,

# do not forget to propagate your changes by running "Configure -der". You may

# instead choose to run each of the .SH files by yourself, or "Configure

-S".

#

# Package name : \$package

# Source directory : \$src

# Configuration time: \$cf\_time

# Configured by : \$cf\_by

# Target system : \$myuname

EOT

?X: Command line options are saved by the Options.U unit in the

?X: temporary file UU/cmdline.opt

: Add in command line options if available

\$test -f UU/cmdline.opt && \$cat UU/cmdline.opt >> config.sh

\$spitshell <<EOT >>config.sh

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-



5.30.0/U/modified/Config\_sh.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: stdchar.U,v \$

?RCS: Revision 3.0 1993/08/18 12:09:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:stdchar: contains Findhdr cppstdin cppminus rm

?MAKE: -pick add \$@ %<

?S:stdchar:

?S: This variable conditionally defines STDCHAR to be the type of char

?S: used in stdio.h. It has the values "unsigned char" or "char".

?S:.

?C:STDCHAR:

?C: This symbol is defined to be the type of char used in stdio.h.

?C: It has the values "unsigned char" or "char".

?C:.

?H:#define STDCHAR \$stdchar /\*\*/

?H:.

?F:!stdioh

:

see what type of char stdio uses.

echo " "

?X: untangle the #include nest

echo '#include <stdio.h>' | \$cppstdin \$cppminus > stdioh

if \$contains 'unsigned.\*char.\*\_ptr;' stdioh >/dev/null 2>&1 ; then

echo "Your stdio uses unsigned chars." >&4

stdchar="unsigned char"

else

echo "Your stdio uses signed chars." >&4

stdchar="char"

fi

\$rm -f stdioh

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/stdchar.U

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

```
?RCS: $Id: i_systimeb.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_systimeb.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:37 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit looks wether <sys/timeb.h> should be included
?X: or not when using ftime() (for struct timeb definition).
?X:
?X: Force looking for <sys/time.h> for struct timeb.
?X:INC: i_systime
?MAKE:i_systimeb: test contains Loc Setvar Findhdr
?MAKE: -pick add $@ %<
?S:i_systimeb:
?S: This variable conditionally defines I_SYS_TIMEB,
  which indicates
?S: to the C program that it should include <sys/timeb.h>.
?S:
?C:I_SYS_TIMEB (I_SYSTIMEB):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/timeb.h>, in order to define struct timeb (some systems
?C: define this in <sys/time.h>). This is useful when using ftime().
?C: You should include <sys/time.h> if I_SYS_TIMEB is not defined,
?C: nor is I_SYS_TIME.
?C:
?H:#$i_systimeb I_SYS_TIMEB /**/
?H:
?T:xxx
?LINT:set i_systimeb
: see where struct timeb is defined
echo " "
xxx=`./findhdr sys/timeb.h`
if $test "$xxx"; then
if $contains 'struct timeb' $xxx >/dev/null 2>&1; then
  val="$define"
  echo "You have struct timeb defined in <sys/timeb.h>." >&4
else
```

```

val="$undef"
echo "Assuming struct timeb is defined in <sys/time.h>." >&4
fi
else
val="$undef"
echo "No <sys/timeb.h> -- Assuming struct timeb is defined in <sys/time.h>." >&4
fi
set i_systimeb
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_systimeb.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2004 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strlcpy: Inlibc Hasproto d\_gnulibc

?MAKE: -pick add \$@ %<

?S:d\_strlcpy:

?S: This variable conditionally defines the HAS\_STRLCPY symbol, which

?S: indicates to the C program that the strlcpy () routine is available.

?S:.

?C:HAS\_STRLCPY:

?C: This symbol, if defined, indicates that the strlcpy () routine is

?C: available to do string copying.

?C:.

?H:#\$d\_strlcpy HAS\_STRLCPY /\*\*/

?H:.

?T:d\_strlcpy\_proto xx1 xx2 xx3 xx4

?LINT:set d\_strlcpy

: see if strlcpy exists

: We need both a prototype in string.h and the symbol in libc.

echo " "

d\_strlcpy\_proto="

xx1="#\$d\_gnulibc HAS\_GNULIBC"

xx2='#if defined(HAS\_GNULIBC) && !defined(\_GNU\_SOURCE)'

xx3='# define \_GNU\_SOURCE'

xx4='#endif'

set d\_strlcpy\_proto strlcpy

literal "\$xx1" literal "\$xx2" literal "\$xx3" literal "\$xx4" define string.h

eval \$hasproto

case "\$d\_strlcpy\_proto" in

```

define) # see if strlcpy exists
set strlcpy d_strlcpy
eval $inlibc
;;
*) val=$undef
set d_strlcpy
eval $setvar
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_strlcpy.U
```

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

```
?RCS: $Id: inc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: inc.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:51 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:inc incexp: Loc Oldconfig Getfile us rinc
```

```
?MAKE: -pick add $@ %<
```

```
?S:inc:
```

```
?S: This variable holds the name of the directory in which the user wants
```

```
?S: to put public header files for the package in question. It is most
```

```
?S: often a local directory such as /usr/local/include.
```

```
?S:.
```

```
?S:incexp:
```

```
?S: This is the same as the inc variable, but is filename
```

```
expanded
```

```
?S: at configuration time for convenient use in your makefiles.
```

```
?S:.
```

```
: determine where public header files go
```

```
case "$inc" in
```

```
")
```

```
dfit=`./loc . ." /usr/local/include /usr/include/local $usrinc`
```

```
;;
```

```
*) dfit="$inc"
```

```
;;
```

```
esac
fn=d~
rp='Where do you want to put the public header files?'
./getfile
inc="$ans"
incexp="$ansexp"
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/inc.U
```

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

```
?RCS: $Id: i_crypt.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2002 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_crypt: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_crypt:
```

```
?S: This variable conditionally defines the I_CRYPT symbol, and indicates
```

```
?S: whether a C program should include <crypt.h>.
```

```
?S:.
```

```
?C:I_CRYPT:
```

```
?C: This symbol, if defined, indicates that <crypt.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_crypt I_CRYPT /**/
```

```
?H:.
```

```
?LINT:set i_crypt
```

```
: see if this is a crypt.h system
```

```
set crypt.h i_crypt
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_crypt.U
```

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

```
?RCS: $Id: locdist.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: locdist.U,v \$  
?RCS: Revision 3.0.1.1 1994/05/06 15:09:20 ram  
?RCS: patch23: added support for multi-state regions (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:06 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:locdist orgdist citydist statedist multistatedist cntrydist contdist: \  
test newslibexp cat Myread Oldconfig  
?MAKE: -pick add \$@ %<  
?S:locdist:  
?S: This variable contains the eventual value of the LOCDIST symbol,  
?S: which  
is the local organization's distribution name for news.  
?S:.  
?S:orgdist:  
?S: This variable contains the eventual value of the ORGDIST symbol,  
?S: which is the organization's distribution name for news.  
?S:.  
?S:citydist:  
?S: This variable contains the eventual value of the CITYDIST symbol,  
?S: which is the city's distribution name for news.  
?S:.  
?S:statedist:  
?S: This variable contains the eventual value of the STATEDIST symbol,  
?S: which is the state's or province's distribution name for news.  
?S:.  
?S:multistatedist:  
?S: This variable contains the eventual value of the MULTISTATEDIST symbol,  
?S: which is the news distribution code for multi-state region.  
?S:.  
?S:cntrydist:  
?S: This variable contains the eventual value of the CNTRYDIST symbol,  
?S: which is the country's distribution name for news.  
?S:.  
?S:contdist:  
?S: This variable contains the eventual value of the CONTDIST symbol,  
?S: which is the continent's distribution name for news.  
?S:.  
?C:LOCDIST:  
?C: This symbol contains the  
distribution name for the news system that  
?C: restricts article distribution to the local organization.  
?C:.  
?C:ORGDIST:

?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the organization.  
?C:.  
?C:CITYDIST:  
?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the city.  
?C:.  
?C:STATEDIST:  
?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the state or province.  
?C:.  
?C:MULTISTATEDIST:  
?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to a multi-state region.  
?C:.  
?C:CNTRYDIST:  
?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the country.  
?C:.  
?C:CONTDIST:  
?C: This symbol contains the distribution name for the news system that  
?C: restricts article distribution to the continent.  
?C:.  
?H:#define LOCDIST  
"\$locdist" /\*\*/  
?H:#define ORGDIST "\$orgdist" /\*\*/  
?H:#define CITYDIST "\$citydist" /\*\*/  
?H:#define MULTISTATEDIST "\$multistatedist" /\*\*/  
?H:#define STATEDIST "\$statedist" /\*\*/  
?H:#define CNTRYDIST "\$cntrydist" /\*\*/  
?H:#define CONTDIST "\$contdist" /\*\*/  
?H:.  
: get the local distributions  
\$cat <<'EOH'

Distribution groups are the things you use on the Distribution line to limit where an article will go to. You are likely to be a member of several distribution groups, such as organization, city, state, province, country, continent, etc. For example, Los Angeles has the distribution code "la", New Jersey has the code "nj", and Europe has the code "eunet".

The categories you will be asked are:

local organization (Could be just one machine or a cluster or an office)  
organization att, dec, kgb, ...  
city la, ny, mosc, ...  
state/province ca, nj, bc, ...  
multi-state region pnw, ne, ...

country usa, can, rok, whatever  
continent na (North America), asia, etc.

EOH

```
if $test
-f $newslibexp/distributions; then
case "$silent" in
true) ;;
*) dflt='Hit return to continue'
rp="
./myread
";
esac
echo "Here is your distributions file:" >&4
echo " " >&4
$cat >&4 $newslibexp/distributions
echo " " >&4
fi
echo "Use 'none' for any distributions you don't have."
echo " "
case "$locdist" in
") dflt="none";;
*) dflt="$locdist";;
esac
rp="What is the distribution code for your local organization?"
./myread
locdist="$ans"
case "$orgdist" in
") dflt="none";;
*) dflt="$orgdist";;
esac
rp="What is the distribution code for your organization?"
./myread
orgdist="$ans"
case "$citydist" in
") dflt="none";;
*) dflt="$citydist";;
esac
rp="What is the distribution code for your city?"
./myread
citydist="$ans"
case "$statedist" in
") dflt="none";;
*) dflt="$statedist";;
esac
rp="What is the distribution code for your state/province?"
./myread
statedist="$ans"
```



```

case "$multistatedist" in
") dflt="none";;
*) dflt="$multistatedist";;
esac
rp="What is the
distribution code for your multi-state region?"
./myread
multistatedist="$ans"
case "$cntrydist" in
") dflt="none";;
*) dflt="$cntrydist";;
esac
rp="What is the distribution code for your country?"
./myread
cntrydist="$ans"
case "$contdist" in
") dflt="none";;
*) dflt="$contdist";;
esac
rp="What is the distribution code for your continent?"
./myread
contdist="$ans"
$cat <<'EOM'

```

If you have any other distribution groups you will need to edit Pnews and newsetup to add them.

EOM

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/locdist.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_recvmsg: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_recvmsg:

?S: This variable conditionally defines the HAS\_RECVMSG symbol, which

?S: indicates to the C program that the recvmsg() routine is available.

?S:.

?C:HAS\_RECVMSG:

?C: This symbol, if defined, indicates that the recvmsg routine is

?C: available to send structured socket messages.

?C:.

?H:#\$d\_recvmsg HAS\_RECVMSG /\*\*/

?H:.

?LINT:set d\_recvmsg

: see if recvmsg exists

set recvmsg d\_recvmsg

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_recvmsg.U

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

?RCS: \$Id: d\_semget.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_semget.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_semget: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_semget:

?S: This variable conditionally defines the HAS\_SEMGET symbol, which

?S: indicates to the C program that the semget() routine is available.

?S:.

?C:HAS\_SEMGET:

?C: This symbol, if defined, indicates that the semget() routine is

?C: available to get a set of semaphores.

?C:.

?H:#\$d\_semget

HAS\_SEMGET /\*\*/

?H:.

?LINT:set d\_semget

: see if semget exists

set semget d\_semget

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/d\_semget.U

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

```
?RCS: $Id: d_ttyname_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_ttyname_r ttyname_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_unistd extern_C
?MAKE: -pick add $@ %<
?S:d_ttyname_r:
?S: This variable conditionally defines the HAS_TTYNAME_R symbol,
?S: which indicates to the C program that the ttyname_r()
?S: routine is available.
?S:.
?S:ttyname_r_proto:
?S: This variable encodes the prototype of ttyname_r.
?S: It is zero if d_ttyname_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ttyname_r
?S: is defined.
?S:.
?C:HAS_TTYNAME_R:
?C: This symbol, if defined, indicates that the ttyname_r routine
?C: is available to ttyname re-entrantly.
?C:.
?C:TTYNAME_R_PROTO:
?C: This
  symbol encodes the prototype of ttyname_r.
?C: It is zero if d_ttyname_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_ttyname_r
?C: is defined.
?C:.
?H:#$d_ttyname_r HAS_TTYNAME_R /**/
?H:#define TTYNAME_R_PROTO $ttyname_r_proto /**/
?H:.
?T:try hdrs d_ttyname_r_proto
: see if ttyname_r exists
set ttyname_r d_ttyname_r
eval $inlibc
case "$d_ttyname_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_unistd unistd.h"
  case "$d_ttyname_r_proto:$usethreads" in
  ":define") d_ttyname_r_proto=define
```

```

set d_ttyname_r_proto ttyname_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_ttyname_r_proto" in
define)
case "$ttyname_r_proto" in
"|0) try='int ttyname_r(int, char*, size_t);'
./prochck "$extern_C $try" $hdrs && ttyname_r_proto=I_IBW ;;
esac
case "$ttyname_r_proto" in
"|0) try='int ttyname_r(int, char*, int);'
./prochck "$extern_C $try" $hdrs && ttyname_r_proto=I_IBI ;;
esac
case "$ttyname_r_proto"
in
"|0) try='char* ttyname_r(int, char*, int);'
./prochck "$extern_C $try" $hdrs && ttyname_r_proto=B_IBI ;;
esac
case "$ttyname_r_proto" in
"|0) d_ttyname_r=undef
ttyname_r_proto=0
echo "Disabling ttyname_r, cannot determine prototype." >&4 ;;
* ) case "$ttyname_r_proto" in
REENTRANT_PROTO*) ;;
*) ttyname_r_proto="REENTRANT_PROTO_${ttyname_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetheads" in
define) echo "ttyname_r has no prototype, not using it." >&4 ;;
esac
d_ttyname_r=undef
ttyname_r_proto=0
;;
esac
;;
*) ttyname_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_ttyname\_r.U

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

?RCS: \$Id: libdbm.U 1 2006-08-24 12:32:52Z rmanfredi \$

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libdbm.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:56:57 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:58 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libdbm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libdbm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the dbm library routines. If there is no dbm or ndbm
?S: library, it is null.
?S:
?T:xxx
:
see if we should include -ldbm
echo " "
if $test -r /usr/lib/libndbm$_a || $test -r /usr/local/lib/libndbm$_a ; then
echo "-ldbm found." >&4
libdbm='-ldbm'
elif $test -r /usr/lib/libdbm$_a || $test -r /usr/local/lib/libdbm$_a ; then
echo "-ldbm found." >&4
libdbm='-ldbm'
else
xxx=`./loc libdbm$_a x $libpth`
case "$xxx" in
x)
echo "No dbm library found." >&4
libdbm=""
;;
*)
echo "DBM library found in $xxx." >&4
libdbm="$xxx"
;;
esac
fi

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libdbm.U

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

?RCS: \$Id: d\_mktime.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_mktime.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:09:44 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_mktime: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mktime:  
?S: This variable conditionally defines the HAS\_MKTIME symbol, which  
?S: indicates to the C program that the mktime() routine is available.  
?S:.  
?C:HAS\_MKTIME :  
?C: This symbol, if defined, indicates that the mktime routine  
is  
?C: available.  
?C:.  
?H:#\$d\_mktime HAS\_MKTIME /\*\*/  
?H:.  
?LINT:set d\_mktime  
: see if mktime exists  
set mktime d\_mktime  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mktime.U

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

?RCS: \$Id: d\_getrgid\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_getgrgid\_r getgrgid\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_grp extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_getgrgid\_r:  
?S: This variable conditionally defines the HAS\_GETGRGID\_R symbol,  
?S: which indicates to the C program that the getgrgid\_r()  
?S: routine is available.  
?S:.  
?S:getgrgid\_r\_proto:  
?S: This variable encodes the prototype of getgrgid\_r.  
?S: It is zero if d\_getgrgid\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrgid\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETGRGID\_R:  
?C: This symbol, if defined, indicates that the getgrgid\_r routine  
?C: is available to  
getgrgid re-entrantly.  
?C:.  
?C:GETGRGID\_R\_PROTO:  
?C: This symbol encodes the prototype of getgrgid\_r.  
?C: It is zero if d\_getgrgid\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrgid\_r  
?C: is defined.  
?C:.  
?H:#\$d\_getgrgid\_r HAS\_GETGRGID\_R /\*\*/  
?H:#define GETGRGID\_R\_PROTO \$getgrgid\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_getgrgid\_r\_proto  
: see if getgrgid\_r exists  
set getgrgid\_r d\_getgrgid\_r  
eval \$inlibc  
case "\$d\_getgrgid\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_grp grp.h"  
case "\$d\_getgrgid\_r\_proto:\$usethreads" in  
":define") d\_getgrgid\_r\_proto=define  
set d\_getgrgid\_r\_proto getgrgid\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_getgrgid\_r\_proto" in  
define)  
case "\$getgrgid\_r\_proto" in  
"|0) try='int getgrgid\_r(gid\_t, struct group\*, char\*, size\_t, struct group\*\*);'

```

./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=L_TSBWR ;;
esac
case "$getgrgid_r_proto" in
"|0) try='int getgrgid_r(gid_t, struct group*, char*, int, struct
group**);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=L_TSBIR ;;
esac
case "$getgrgid_r_proto" in
"|0) try='int getgrgid_r(gid_t, struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=L_TSBI ;;
esac
case "$getgrgid_r_proto" in
"|0) try='struct group* getgrgid_r(gid_t, struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrgid_r_proto=S_TSBI ;;
esac
case "$getgrgid_r_proto" in
"|0) d_getgrgid_r=undef
getgrgid_r_proto=0
echo "Disabling getgrgid_r, cannot determine prototype." >&4 ;;
*) case "$getgrgid_r_proto" in
REENTRANT_PROTO*) ;;
*) getgrgid_r_proto="REENTRANT_PROTO_$getgrgid_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getgrgid_r has no prototype, not using it." >&4 ;;
esac
d_getgrgid_r=undef
getgrgid_r_proto=0
;;
esac
;;
*) getgrgid_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getgrgid_r.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,



?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: Original author Jarkko Hietaniemi <jhi@iki.fi>

?RCS: Merged into dist by Andy Dougherty July 13, 1998

?RCS:

?MAKE:trnl: Nothing

?MAKE: -pick add \$@ %<

?S:trnl:

?S: This variable contains the value to be passed to the tr(1)

?S: command to transliterate a newline. Typical values are

?S: '\012' and '\n'. This is needed for EBCDIC systems where

?S: newline is not necessarily '\012'.

?S:.

?T: DJGPP

: Find the appropriate value for a newline for tr

?X: We can't

use \$tr since that would cause a circular dependency via Myread

?X: dos djgpp uses '\015\012', but reportedly is happy with '\012' in the

?X: tr command. I don't know why it passes the '\n' test but later

?X: refuses to work correctly with it. --AD 6/14/98

```

if test -n "$DJGPP"; then
    trnl='\012'
fi
if test X"$trnl" = X; then
    case "`echo foo | tr '\n' x 2>/dev/null`" in
    foox) trnl='\n' ;;
    esac
fi
if test X"$trnl" = X; then
    case "`echo foo | tr '\012' x 2>/dev/null`" in
    foox) trnl='\012' ;;
    esac
fi
if test X"$trnl" = X; then
    case "`echo foo | tr '\r\n' xy 2>/dev/null`" in
    fooxy) trnl='\n\r' ;;
    esac
fi
if test X"$trnl" = X; then
    cat <<EOM >&2

```

\$me: Fatal Error: cannot figure out how to translate newlines with 'tr'.

EOM

exit 1

fi

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/trnl.U

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

?RCS: \$Id: d\_lockf.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_lockf.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:09:36 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_lockf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lockf:

?S: This variable conditionally defines HAS\_LOCKF if lockf() is

?S: available to do file locking.

?S:.

?C:HAS\_LOCKF (LOCKF):

?C: This symbol, if defined, indicates that the lockf routine is

?C: available to do file locking.

?C:.

?H:#\$d\_lockf

HAS\_LOCKF /\*\*/

?H:.

?LINT:set d\_lockf

: see if lockf exists

set lockf d\_lockf

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_lockf.U

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

```

?RCS: $Id: i_sysdir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysdir.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:22:30 ram
?RCS: patch32: fixed typo in I_SYS_DIR symbol name
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:30 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_sysdir: Inhdr
?MAKE: -pick add $@ %<
?S:i_sysdir:
?S: This variable conditionally defines the I_SYS_DIR symbol, and indicates
?S: whether a C program should include <sys/dir.h>.
?S:.
?C:I_SYS_DIR (I_SYSDIR):
?C: This symbol, if
    defined, indicates to the C program that it should
?C: include <sys/dir.h>.
?C:.
?H:#$i_sysdir I_SYS_DIR /**/
?H:.
?LINT:set i_sysdir
: see if this is an sysdir system
set sys/dir.h i_sysdir
eval $inhdr

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysdir.U
```

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

```

?RCS: $Id: Oldsym.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Oldsym.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:06:58 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:13 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit follows the creation of the config.sh file. It adds some
?X: special symbols: defines from patchlevel.h file if any and PERL_CONFIG_SH,
?X: which is set to true. Then, we try to keep all the new symbols that
?X: may come from a hint
?X: file or a previous config.sh file.
?X:
?MAKE:Oldsym: Config_sh cat test hint src sed sort uniq perl_patchlevel
?MAKE: -pick add $@ %<
?T:PERL_CONFIG_SH PERL_PATCHLEVEL sym tmp
?F:!UU
: add special variables
$test -f $src/patchlevel.h && \
awk '/^#define[ ]+PERL_/ {printf "%s=%s\n", $2, $3}' $src/patchlevel.h >>config.sh
echo "PERL_PATCHLEVEL='$perl_patchlevel'" >>config.sh
echo "PERL_CONFIG_SH=true" >>config.sh

: propagate old symbols
if $test -f UU/config.sh; then
?X: Make sure each symbol is unique in oldconfig.sh
<UU/config.sh $sort | $uniq >UU/oldconfig.sh
?X:
?X: All the symbols that appear twice come only from config.sh (hence the
?X: two config.sh in the command line). These symbols will be removed by
?X: the uniq -u command. The oldsyms file thus contains all the symbols
?X: that did not appear in the produced config.sh (Larry Wall).
?X:
?X: Do not touch the -u flag of uniq. This means you too, Jarkko.
?X:
$sed -n 's/^\([a-zA-Z_0-9]*\)=.*/\1/p' \
config.sh config.sh UU/oldconfig.sh
\
$sort | $uniq -u >UU/oldsyms
set X ` $cat UU/oldsyms `
shift
case $# in
0) ;;
*)
$cat <<EOM

```

Hmm...You had some extra variables I don't know about...I'll try to keep 'em...

EOM

```
echo ": Variables propagated from previous config.sh file." >>config.sh
for sym in ` $cat UU/oldsyms `; do
  echo " Propagating $hint variable ""$"$sym..."
  eval 'tmp=""${sym}""'
  echo "$tmp" | \
  sed -e "s/^\\""/g" -e "s/^\$sym=/" -e "s/$/" >>config.sh
done
;;
esac
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Oldsym.U
```

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

```
?RCS: $Id: warnflags.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>
?RCS:
?RCS: $Log: warnflags.U,v $
?RCS: Revision 3.0 1993/08/18 12:10:02 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:warnflags: cat cc contains Myread Guess Oldconfig Findhdr
?MAKE: -pick add $@ %<
?S:warnflags:
?S: This variable contains any additional C compiler flags to generate
?S: warnings from the compiler. It is up to the Makefile to use this.
?S:.
: offer additional
  warning flags for compilation
$cat <<EOH
```

You may wish to compile with extra compiler warnings enabled.

Note that doing so enhances your chance of receiving your free set of steak knives, particularly if you find any bugs and report them.

If you don't want extra warnings, answer "none".

```

EOH
case "$warnflags" in
") case "$cc" in
*gcc*)
dflt="-Wall -Wno-comment"
if $contains 'fprintf' `./findhdr stdio.h` >/dev/null 2>&1; then
:
else
dflt="$dflt -Wno-implicit"
fi
;;
*) dflt="none";;
esac
;;
' ') dflt="none";;
*) dflt="$warnflags";;
esac

```

rp="Any \$cc flags to enable warnings?"

```

./myread
case "$sans" in
none) warnflags=' ';;
*) warnflags="$sans";;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/warnflags.U

```

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

?RCS: \$Id: d\_setsid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setsid.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:06:49 ram

?RCS: patch16: created

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setsid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setsid:  
?S: This variable conditionally defines HAS\_SETSID if setsid() is  
?S: available to set the process group ID.  
?S:.  
?C:HAS\_SETSID:  
?C: This symbol, if defined, indicates that the setsid routine is  
?C: available  
to set the process group ID.  
?C:.  
?H:#\$d\_setsid HAS\_SETSID /\*\*/  
?H:.  
?LINT:set d\_setsid  
: see if setsid exists  
set setsid d\_setsid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setsid.U

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

?RCS: \$Id: d\_getlogin.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_getlogin.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:07:41 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_getlogin: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getlogin:  
?S: This variable conditionally defines the HAS\_GETLOGIN symbol, which  
?S: indicates to the C program that the getlogin() routine is available  
?S: to get the login name.  
?S:.  
?C:HAS\_GETLOGIN :  
?C: This symbol,

if defined, indicates that the getlogin routine is

?C: available to get the login name.

?C:.

?H:#\$d\_getlogin HAS\_GETLOGIN /\*\*/

?H:.

?LINT:set d\_getlogin

: see if getlogin exists

set getlogin d\_getlogin

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getlogin.U

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

?RCS: \$Id: d\_fchown.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_fchown.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:01 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_fchown: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fchown:

?S: This variable conditionally defines the HAS\_FCHOWN symbol, which

?S: indicates to the C program that the fchown() routine is available

?S: to change ownership of opened files.

?S:.

?C:HAS\_FCHOWN (FCHOWN):

?C: This symbol, if defined, indicates that the fchown routine is available

?C: to

change ownership of opened files. If unavailable, use chown().

?C:.

?H:#\$d\_fchown HAS\_FCHOWN /\*\*/

?H:.

?LINT:set d\_fchown

: see if fchown exists

set fchown d\_fchown

eval \$inlibc



Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fchown.U

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

?RCS: \$Id: Prefixit.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Prefixit.U,v \$

?RCS: Revision 3.0.1.1 1995/01/30 14:29:22 ram

?RCS: patch49: created

?RCS:

?X:

?X: Used as: "set dflt var dir; eval \$prefixit" to set \$dflt to be

?X: \$prefix/dir by default, or the previous \$var depending on certain

?X: conditions:

?X: - If the \$oldprefix variable is empty, then \$prefix holds the same

?X: value as on previous runs. Therefore, reuse \$var if set, otherwise

?X: set \$dflt to \$prefix/dir.

?X: - If \$oldprefix is not

empty, then set \$dflt to \$prefix/dir if \$var

?X: is empty (first run). Otherwise, if \$var is \$oldprefix/dir, then

?X: change it to \$prefix/dir. If none of the above, reuse the old \$var.

?X:

?X: When dir is omitted, the dflt variable is set to \$var if prefix did not

?X: change, to an empty value otherwise. If dir=none, then a single space

?X: in var is kept as-is, even if the prefix changes.

?X:

?MAKE:Prefixit: prefix oldprefix

?MAKE: -pick add \$@ %<

?LINT:define prefixit

?S:prefixit:

?S: This shell variable is used internally by Configure to reset

?S: the leading installation prefix correctly when it is changed.

?S: set dflt var [dir]

?S: eval \$prefixit

?S: That will set \$dflt to \$var or \$prefix/dir depending on the

?S: value of \$var and \$oldprefix.

?S:.

?V:prefixit

?T:tp

: set the prefixit variable, to compute a suitable default value

```
prefixit='case "$3" in
""|none)
case "$oldprefix" in
"" ) eval "$1=\\"$2\"";;
*)
case "$3" in
"" ) eval "$1="";;
none)
eval "tp=\\"$2\"";
case
"$tp" in
""|" ") eval "$1=\\"$2\"";;
*) eval "$1="";;
esac;;
esac;;
esac;;
*)
eval "tp=\"\$oldprefix-\$2-\""; eval "tp=\"\$tp\"";
case "$tp" in
-/*-|~*-) eval "$1=\"\$prefix/$3\"";;
/*-$oldprefix/*|~*-$oldprefix/*)
eval "$1=\`echo \$2 | sed \s,^\$oldprefix,\$prefix,\\"";;
*) eval "$1=\\"$2\"";;
esac;;
esac'
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Prefixit.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_remquo: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_remquo:

?S: This variable conditionally defines the HAS\_REMQUO symbol, which

?S: indicates to the C program that the remquo() routine is available.

?S:.

?C:HAS\_REMQUO:

?C: This symbol, if defined, indicates that the remquo routine is

?C: available to return the remainder and part of quotient.

?C:.

?H:#\$d\_remquo HAS\_REMQUO /\*\*/

?H:.

?LINT:set d\_remquo

```
: see if remquo exists
set remquo d_remquo
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_remquo.U
```

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

```
?RCS: $Id: vendorprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: vendorprefix.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:usevendorprefix vendorprefix vendorprefixexp +oldvendorprefix: \
```

```
Getfile Loc Oldconfig cat prefix Myread
```

```
?MAKE: -pick add $@ %<
```

```
?S:usevendorprefix:
```

```
?S: This variable tells whether the vendorprefix
```

```
?S: and consequently other vendor* paths are in use.
```

```
?S:.
```

```
?S:vendorprefix:
```

```
?S: This variable holds the full absolute path of the directory below
```

```
?S: which
```

```
the vendor will install add-on packages.
```

```
?S: See INSTALL for usage and examples.
```

```
?S:.
```

```
?S:vendorprefixexp:
```

```
?S: This variable holds the full absolute path of the directory below
```

```
?S: which the vendor will install add-on packages. Derived from vendorprefix.
```

```
?S:.
```

```
?S:oldvendorprefix:
```

```
?S: This variable is set non-null if the vendorprefix was previously defined
```

```
?S: and gets set to a new value. Used internally by Configure only.
```

```
?S:.
```

```
: Set the vendorprefix variables
```

```
$cat <<EOM
```

The installation process will also create a directory for

vendor-supplied add-ons. Vendors who supply perl with their system may find it convenient to place all vendor-supplied files in this directory rather than in the main distribution directory. This will ease upgrades between binary-compatible maintenance versions of perl.

Of course you may also use these directories in whatever way you see fit. For example, you might use them to access modules shared over a company-wide network.

The default answer should be fine for most people.

This causes further questions about vendor add-ons to be skipped and no vendor-specific directories will be configured for perl.

EOM

```
rp='Do you want to configure vendor-specific add-on directories?'
case "$usevendorprefix" in
define|true|[yY]*) dflt=y ;;
*) : User may have set vendorprefix directly on Configure command line.
case "$vendorprefix" in
'|' ) dflt=n ;;
*) dflt=y ;;
esac
;;
esac
./myread
case "$ans" in
[yY]*) fn=d~+
rp='Installation prefix to use for vendor-supplied add-ons?'
case "$vendorprefix" in
") dflt="$prefix" ;;
*) dflt=$vendorprefix ;;
esac
./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldvendorprefix="
case "$vendorprefix" in
") ;;
*) case "$ans" in
"$prefix" ) ;;
*) oldvendorprefix="$prefix";;
esac
;;
esac
usevendorprefix="$define"
vendorprefix="$ans"
vendorprefixexp="$ansexp"
;;
```

```
*) usevendorprefix="$undef"  
vendorprefix="  
vendorprefixexp="  
;;  
esac
```

Found in path(s):

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorprefix.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_safebcpy.U,v \$

?RCS: Revision 3.0.1.4 1997/02/28 15:40:58 ram

?RCS: patch61: improved overlapping copy check

?RCS: patch61: comfort them if they have memmove

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.3 1995/07/25 13:58:40 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.2 1995/01/11 15:29:23 ram

?RCS: patch45: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:49:03

ram

?RCS: patch23: ensure string is not optimized in read-only memory (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_safebcpy: cat d\_bcopy +cc +optimize +ccflags +ldflags +libs rm \  
d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_safebcpy:

?S: This variable conditionally defines the HAS\_SAFE\_BCOPY symbol if

?S: the bcopy() routine can do overlapping copies.

?S:.

```

?C:HAS_SAFE_BCOPY (SAFE_BCOPY):
?C: This symbol, if defined, indicates that the bcopy routine is available
?C: to copy potentially overlapping memory blocks. Otherwise you should
?C: probably use memmove() or memcpy(). If neither is defined, roll your
?C: own version.
?C:.
?H:#$d_safebcopy HAS_SAFE_BCOPY /**/
?H:.
?F:!safebcopy
?LINT: set d_safebcopy
: can bcopy handle overlapping blocks?
?X: assume the worst
val="$undef"
case "$d_bcopy" in
"$define")
echo " "
echo "Checking to see if your bcopy() can do overlapping
copies..." >&4
$cat >foo.c <<EOCP
#$i_memory I_MEMORY
#$i_stdlib I_STDLIB
#$i_string I_STRING
#$i_unistd I_UNISTD
EOCP
$cat >>foo.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;
int off;
int align;

```

?X: Copy "abcde..." string to char abc[] so that gcc doesn't  
?X: try to store the string in read-only memory.  
bcopy("abcdefghijklmnopqrstuvwxy0123456789", abc, 36);

```
for (align = 7; align >= 0; align--) {  
  for (len = 36; len; len--) {  
    b = buf+align;  
    bcopy(abc, b, len);  
    for (off = 1; off <= len; off++) {  
      bcopy(b, b+off, len);  
      bcopy(b+off, b, len);  
      if (bcmp(b, abc, len))  
        exit(1);  
    }  
  }  
}  
exit(0);  
}
```

EOCP

```
if $cc $optimize $ccflags $ldflags \  
  -o safebcpy foo.c $libs >/dev/null 2>&1; then  
  if ./safebcpy  
  2>/dev/null; then  
    echo "Yes, it can."  
    val="$define"  
  else  
    echo "It can't, sorry."  
    case "$d_memmove" in  
    "$define") echo "But that's Ok since you have memmove()." ;;  
    esac  
  fi  
else  
  echo "(I can't compile the test program, so we'll assume not...)"  
  case "$d_memmove" in  
  "$define") echo "But that's Ok since you have memmove()." ;;  
  esac  
  fi  
  ;;  
esac  
$rm -f foo.* safebcpy core  
set d_safebcpy  
eval $setvar
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_safebcpy.U

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

?RCS: Copyright (c) 2017 H.Merijn Brand (original change by Tony Cook)

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_openat d\_unlinkat d\_renameat d\_linkat d\_fchmodat: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fchmodat:

?S: This variable conditionally defines the HAS\_FCHMODAT symbol, which

?S: indicates the POSIX fchmodat() function is available.

?S:.

?S:d\_linkat:

?S: This variable conditionally defines the HAS\_LINKAT symbol, which

?S: indicates the POSIX linkat() function is available.

?S:.

?S:d\_openat:

?S: This variable conditionally defines the HAS\_OPENAT symbol, which

?S: indicates the POSIX openat() function is available.

?S:.

?S:d\_renameat:

?S: This variable conditionally defines the HAS\_RENAMEAT symbol, which

?S: indicates the POSIX renameat() function is available.

?S:.

?S:d\_unlinkat:

?S: This variable

conditionally defines the HAS\_UNLINKAT symbol, which

?S: indicates the POSIX unlinkat() function is available.

?S:.

?C:HAS\_FCHMODAT:

?C: This symbol is defined if the fchmodat() routine is available.

?C:.

?C:HAS\_LINKAT:

?C: This symbol is defined if the linkat() routine is available.

?C:.

?C:HAS\_OPENAT:

?C: This symbol is defined if the openat() routine is available.

?C:.

?C:HAS\_RENAMEAT:

?C: This symbol is defined if the renameat() routine is available.

?C:.

?C:HAS\_UNLINKAT:

?C: This symbol is defined if the unlinkat() routine is available.

?C:.

?H:#\$d\_fchmodat HAS\_FCHMODAT /\*\*/

?H:#\$d\_linkat HAS\_LINKAT /\*\*/

?H:#\$d\_openat HAS\_OPENAT /\*\*/

?H:#\$d\_renameat HAS\_RENAMEAT /\*\*/

?H:#\$d\_unlinkat HAS\_UNLINKAT /\*\*/



?H:

```
?LINT:set d_openat d_unlinkat d_renameat d_linkat d_fchmodat
: check for openat, unlinkat, renameat, linkat, fchmodat
set openat d_openat
eval $inlibc
```

```
set unlinkat d_unlinkat
eval $inlibc
```

```
set renameat d_renameat
eval $inlibc
```

```
set linkat d_linkat
eval $inlibc
```

```
set fchmodat d_fchmodat
eval
$inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fsat.U
```

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

?RCS: \$Id: Init.U,v 3.0.1.1 1994/10/31 09:45:59 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Init.U,v \$

?RCS: Revision 3.0.1.1 1994/10/31 09:45:59 ram

?RCS: patch44: removed Options from MAKE to prevent Init overrides

?RCS: patch44: option processing now done after Myinit thanks to new Begin.U

?RCS: patch44: moved "Beginning of configuration questions" to Begin.U

?RCS: patch44: moved signal trapping instruction to Begin.U as well

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file

initializes certain default variables used by Configure. They

?X: may be overridden or added to by definitions in Myinit.U.

```

?X:
?MAKE:Init eunicefix: Null
?MAKE: -pick add $@ %<
?MAKE: -pick weed $@ ./Init
?S:eunicefix:
?S: When running under Eunice this variable contains a command which will
?S: convert a shell script to the proper form of text file for it to be
?S: executable by the shell. On other systems it is a no-op.
?S:.
?V:define undef smallmach:rmlist
?X:
?X: Throughout the units, one may make use of $define and $undef to reference
?X: a defined symbol or an undefined one. There is no need to add them in
?X: the dependency line since this unit makes them visible via ?V:, and
?X: everyone inherits from those symbols since by convention Init.U is the
?X: root dependency.
?X:
?LINT:extern DJGPP
?LINT:extern _exe
?LINT:change _exe
?LINT:extern is_os2
: Detect odd OSs
define='define'
undef='undef'
smallmach='pdp11 i8086 z8000 i80286 iAPX286'
rmlist=""

: We must find out about
Eunice early
eunicefix=':
if test -f /etc/unixtovms; then
    eunicefix=/etc/unixtovms
fi
if test -f /etc/unixtovms.exe; then
    eunicefix=/etc/unixtovms.exe
fi

: Set executable suffix now -- needed before hints available
if test -f "/libs/version.library"; then
: Amiga OS
    _exe=""
elif test -f "/system/gnu_library/bin/ar.pm"; then
: Stratus VOS
    _exe=".pm"
elif test -n "$DJGPP"; then
: DOS DJGPP
    _exe=".exe"
elif test -f /kern/cookiejar; then

```

```
: MiNT
  _exe=""
elif test -d c:/ -o -n "$is_os2" ; then
: OS/2 or cygwin
  _exe=".exe"
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Init.U
```

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_hypot: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_hypot:

?S: This variable conditionally defines HAS\_HYPOT if hypot is available

?S: for numerically stable hypotenuse function.

?S:.

?C:HAS\_HYPOT:

?C: This symbol, if defined, indicates that the hypot routine is

?C: available to do the hypotenuse function.

?C:.

?H:#\$d\_hypot HAS\_HYPOT /\*\*/

?H:.

?LINT:set d\_hypot

: see if hypot exists

set hypot d\_hypot

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_hypot.U
```

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

?RCS: \$Id: d\_tminsys.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_tminsys.U,v \$

```

?RCS: Revision 3.0 1993/08/18 12:07:47 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_tminsys: contains Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_tminsys:
?S: This variable conditionally defines TM_IN_SYS if this system
?S: declares "struct tm" in <sys/time.h> rather than <time.h>.
?S:.
?C:TM_IN_SYS (TMINSYS):
?C: This symbol is defined if this system declares "struct tm" in
?C: in <sys/time.h> rather than <time.h>.
    We can't just say
?C: -I/usr/include/sys because some systems have both time files, and
?C: the -I trick gets the wrong one.
?C:.
?H:#$d_tminsys TM_IN_SYS /**/
?H:.
?LINT:set d_tminsys
: see if struct tm is defined in sys/time.h
echo " "
if $contains 'struct tm' `./findhdr time.h` >/dev/null 2>&1 ; then
echo "You have struct tm defined in <time.h> rather than <sys/time.h>." >&4
val="$undef"
else
echo "You have struct tm defined in <sys/time.h> rather than <time.h>." >&4
val="$define"
fi
set d_tminsys
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_tminsys.U

```

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

```

?RCS: $Id: i_sysun.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysun.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:42 ram

```

?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit looks wether <sys/un.h> is available or not  
?X:  
?MAKE:i\_sysun: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysun:  
?S: This variable conditionally defines I\_SYS\_UN, which indicates  
?S: to the C program that it should include <sys/un.h> to get UNIX  
?S: domain socket definitions.  
?S:.  
?C:I\_SYS\_UN:  
?C: This symbol, if defined, indicates  
to the C program that it should  
?C: include <sys/un.h> to get UNIX domain socket definitions.  
?C:.  
?H:#\$i\_sysun I\_SYS\_UN /\*\*/  
?H:.  
?LINT:set i\_sysun  
: see if this is a sys/un.h system  
set sys/un.h i\_sysun  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysun.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2017 Dagfinn Ilmari Mannsåker  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_strnlen: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strnlen:  
?S: This variable conditionally defines the HAS\_STRNLEN symbol, which  
?S: indicates to the C program that the strnlen () routine is available.  
?S:.  
?C:HAS\_STRNLEN:  
?C: This symbol, if defined, indicates that the strnlen () routine is  
?C: available to check the length of a string up to a maximum.  
?C:.  
?H:#\$d\_strnlen HAS\_STRNLEN /\*\*/  
?H:.

```
?LINT:set d_strnlen
: see if strnlen exists
set strnlen d_strnlen
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_strnlen.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:d_nanosleep: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_nanosleep:
```

```
?S: This variable conditionally defines HAS_NANOSLEEP
```

```
?S: if nanosleep() is available to sleep with 1E-9 sec accuracy.
```

```
?S:.
```

```
?C:HAS_NANOSLEEP:
```

```
?C: This symbol, if defined, indicates that the nanosleep
```

```
?C: system call is available to sleep with 1E-9 sec accuracy.
```

```
?C:.
```

```
?H:#$d_nanosleep HAS_NANOSLEEP /**/
```

```
?H:.
```

```
?LINT:set d_nanosleep
```

```
: see if nanosleep exists
```

```
set nanosleep d_nanosleep
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_nanosleep.U
```

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

```
?RCS: $Id: vendorscript.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: vendorscript.U,v \$  
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera  
?RCS: Initial revision  
?RCS:  
?MAKE:d\_vendorscript vendorscript vendorscriptexp installvendorscript: Getfile \  
vendorbin cat Setprefixvar Oldconfig Prefixit test vendorprefix  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:vendorscript:  
?S: This variable contains the eventual value of the VENDORSRIPT symbol.  
?S: It may have a ~ on the front.  
?S: The standard distribution will put nothing in this  
directory.  
?S: Vendors who distribute perl may wish to place additional  
?S: executable scripts in this directory with  
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?S: or equivalent. See INSTALL for details.  
?S:.  
?S:vendorscriptexp:  
?S: This variable is the ~name expanded version of vendorscript, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installvendorscript="  
?S:installvendorscript:  
?S: This variable is really the same as vendorscriptexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?S:d\_vendorscript:  
?S: This variable conditionally defines PERL\_VENDORSRIPT.  
?S:.  
?C:PERL\_VENDORSRIPT:  
?C: If defined, this symbol contains the name of a directory  
?C: for holding vendor-supplied executable scripts.  
?C: It may have a ~ on the front.  
?C: The standard distribution will put nothing in this directory.  
?C: Vendors who distribute perl may wish to place additional  
?C: executable  
scripts in this directory with  
?C: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?C: or equivalent. See INSTALL for details.  
?C:.  
?C:PERL\_VENDORSRIPT\_EXP:  
?C: This symbol contains the ~name expanded version of VENDORSRIPT, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

```
?H:#$d_vendorscript PERL_VENDORSCRIPT "$vendorscript" /**/
```

```
?H:#$d_vendorscript PERL_VENDORSCRIPT_EXP "$vendorscriptexp" /**/
```

?H:.

```
?LINT:change prefixvar
```

```
?LINT:set installvendorscript
```

```
: Set the vendorscript variables
```

```
case "$vendorprefix" in
```

```
) d_vendorscript="$undef"
```

```
 vendorscript="
```

```
 vendorscriptexp="
```

```
;;
```

```
*) d_vendorscript="$define"
```

```
: determine where vendor-supplied scripts go.
```

```
case "$vendorscript" in
```

```
) dflt=$vendorprefix/script
```

```
 $test -d $dflt || dflt=$vendorbin ;;
```

```
*) dflt="$vendorscript" ;;
```

```
esac
```

```
$cat <<EOM
```

The installation process will create a directory for vendor-supplied scripts.

EOM

```
fn=d~+
```

```
rp='Pathname for the vendor-supplied scripts directory?'
```

```
./getfile
```

```
vendorscript="$ans"
```

```
vendorscriptexp="$ansexp"
```

```
;;
```

```
esac
```

```
prefixvar=vendorscript
```

```
.
```

```
./installprefix
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorscript.U
```

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

```
?RCS: $Id: i_sysuio.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```



?RCS:  
?MAKE:i\_sysuio: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysuio:  
?S: This variable conditionally defines the I\_SYSUIO symbol, and indicates  
?S: whether a C program should include <sys/uio.h>.  
?S:.  
?C:I\_SYSUIO:  
?C: This symbol, if defined, indicates that <sys/uio.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_sysuio I\_SYSUIO /\*\*/  
?H:.  
?LINT:set i\_sysuio  
: see if this is a sys/uio.h system  
set sys/uio.h i\_sysuio  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_sysuio.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_lseekproto: Hasproto i\_systypes i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_lseekproto:

?S: This variable conditionally defines the HAS\_LSEEK\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the lseek() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_LSEEK\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the lseek() function. Otherwise, it is up

?C: to the program to supply one. A good guess is

?C: extern

off\_t lseek(int, off\_t, int);

?C:.

```
?H:#$d_lseekproto HAS_LSEEK_PROTO /**/  
?H:.  
?LINT:set d_lseekproto  
: see if prototype for lseek is available  
echo " "  
set d_lseekproto lseek $i_systypes sys/types.h $i_unistd unistd.h  
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d_lseekproto.U
```

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

```
?RCS: $Id: i_systypes.U 1 2006-08-24 12:32:52Z rmanfredi $  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: $Log: i_systypes.U,v $  
?RCS: Revision 3.0 1993/08/18 12:08:41 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: Look wether <sys/types.h> needs to be included.  
?X:  
?MAKE:i_systypes: Inhdr  
?MAKE: -pick add $@ %<  
?S:i_systypes:  
?S: This variable conditionally defines the I_SYS_TYPES symbol,  
?S: and indicates whether a C program should include <sys/types.h>.  
?S:.  
?C:I_SYS_TYPES (I_SYSTYPES):  
?C: This symbol, if defined, indicates to the C program  
that it should  
?C: include <sys/types.h>.  
?C:.  
?H:#$i_systypes I_SYS_TYPES /**/  
?H:.  
?LINT:set i_systypes  
: see if sys/types.h has to be included  
set sys/types.h i_systypes  
eval $inhdr
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systypes.U

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

?RCS: \$Id: d\_tcgetpgrp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_tcgetpgrp.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:12:08 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_tcgetpgrp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_tcgetpgrp:

?S: This variable conditionally defines the HAS\_TCGETPGRP symbol, which

?S: indicates to the C program that the tcgetpgrp() routine is available.

?S: to get foreground process group ID.

?S:.

?C:HAS\_TCGETPGRP

:

?C: This symbol, if defined, indicates that the tcgetpgrp routine is

?C: available to get foreground process group ID.

?C:.

?H:#\$d\_tcgetpgrp HAS\_TCGETPGRP /\*\*/

?H:.

?LINT:set d\_tcgetpgrp

: see if tcgetpgrp exists

set tcgetpgrp d\_tcgetpgrp

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_tcgetpgrp.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: ccflags.U,v \$  
?RCS: Revision 3.0.1.9 1997/02/28 15:27:07 ram  
?RCS: patch61: removed support for NO\_PROTOTYPE detection on SCO  
?RCS: patch61: new locincpth variable  
?RCS: patch61: added info on the "additional ld flags" question  
?RCS:  
?RCS: Revision 3.0.1.8 1995/07/25 13:48:54 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS:  
?RCS: Revision 3.0.1.7 1995/05/12 12:08:33 ram  
?RCS: patch54: now checks for cc/ccflags/ldflags coherency  
?RCS:  
?RCS: Revision 3.0.1.6  
1994/10/29 16:07:02 ram  
?RCS: patch36: gcc versioning no longer relies on the C compiler's name  
?RCS: patch36: simplified check for gcc version checking (ADO)  
?RCS:  
?RCS: Revision 3.0.1.5 1994/08/29 16:06:35 ram  
?RCS: patch32: propagate -posix flag from ccflags to ldflags  
?RCS:  
?RCS: Revision 3.0.1.4 1994/05/06 14:28:45 ram  
?RCS: patch23: -fpcc-struct-return only needed in gcc 1.x (ADO)  
?RCS: patch23: cppflags now computed on an option-by-option basis  
?RCS: patch23: magically added cc flags now only done the first time  
?RCS:  
?RCS: Revision 3.0.1.3 1993/09/13 15:58:29 ram  
?RCS: patch10: explicitly mention -DDEBUG just in case they need it (WAD)  
?RCS: patch10: removed all the "tans" variable usage (WAD)  
?RCS:  
?RCS: Revision 3.0.1.2 1993/08/27 14:39:38 ram  
?RCS: patch7: added support for OSF/1 machines  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:00:24 ram  
?RCS: patch6: added defaults for cppflags, ccflags and ldflags  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:31 ram  
?RCS:  
Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:ccflags ldflags lkflags cppflags optimize locincpth: test cat \  
Myread Guess Options Oldconfig gccversion mips\_type +usrinc \

```

package contains rm rm_try +cc cppstdin cppminus cpprun cpplast libpth \
loclibpth hint
?MAKE: -pick add $@ %<
?S:ccflags:
?S: This variable contains any additional C compiler flags desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:cppflags:
?S: This variable holds the flags that will be passed to the C pre-
?S: processor. It is up to the Makefile to use it.
?S:.
?S:optimize:
?S: This variable contains any optimizer/debugger flag that should be used.
?S: It is up to the Makefile to use it.
?S:.
?S:ldflags:
?S: This variable contains any additional C loader flags desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:lkflags:
?S: This variable contains any additional C partial linker flags desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:locincpth:
?S: This
variable contains a list of additional directories to be
?S: searched by the compiler. The appropriate -I directives will
?S: be added to ccflags. This is intended to simplify setting
?S: local directories from the Configure command line.
?S: It's not much, but it parallels the loclibpth stuff in libpth.U.
?S:.
?T:inctest thisincl xxx flag inclwanted ftry previous thislibdir
?F:!cpp.c
?D:cppflags=""
?D:ccflags=""
?D:ldflags=""
?D:optimize=""
?INIT:: Possible local include directories to search.
?INIT:: Set locincpth to "" in a hint file to defeat local include searches.
?INIT:locincpth="/usr/local/include /opt/local/include /usr/gnu/include"
?INIT:locincpth="$locincpth /opt/gnu/include /usr/GNU/include /opt/GNU/include"
?INIT::
?INIT:: no include file wanted by default
?INIT:inclwanted=""
?INIT:
: determine optimize, if desired, or use for debug flag also
case "$optimize" in
'|$undef) dflt='none';;

```

```

")
case "$gccversion" in
") dflt='-O';;
*) dflt='-O2 -g';;
esac
;;
*)
dflt="$optimize";;
esac
case "$gccversion" in
") $cat <<EOH

```

Some C compilers have problems with their optimizers. By default, \$package compiles with the -O flag to use the optimizer. Alternately, you might want to use the symbolic debugger, which uses the -g flag (on traditional Unix systems). Either flag can be specified here. To use neither flag, specify the word "none".

```

EOH
;;
*) $cat <<EOH

```

With the GNU C compiler, it is possible to supply both -O2 and -g flags, to be able to reasonably optimize, whilst retaining the ability to use a symbolic debugger. Either flag can be specified here. To use neither flag, specify the word "none".

```

EOH
;;
esac
rp="What optimizer/debugger flag should be used?"
./myread
optimize="$ans"
case "$optimize" in
'none') optimize=" ";;
esac

```

```

dflt="
: We will not override a previous value, but we might want to
: augment a hint file
case "$hint" in
default|recommended)
case "$gccversion" in
1*) dflt='-fpcc-struct-return' ;;
esac
?X:
check for POSIXized ISC
case "$gccversion" in

```

```

2*) if test -d /etc/conf/kconfig.d &&
  $contains _POSIX_VERSION $usrinc/sys/unistd.h >/dev/null 2>&1
then
  dflt="$dflt -posix"
fi
;;
esac
?X: turn warnings on if they're using gcc
case "$gccversion" in
1*|2*) dflt="$dflt -Wall";;
?X: starting with version 3, add "-W -Wall -Wformat=2 -Wshadow" by default
*) dflt="$dflt -W -Wall -Wformat=2 -Wshadow";;
esac
;;
esac

```

?X: In USG mode, a MIPS system may need some BSD includes

```

case "$mips_type" in
*BSD*|*) inclwanted="$locincpth $usrinc";;
*) inclwanted="$locincpth $inclwanted $usrinc/bsd";;
esac
for thisincl in $inclwanted; do
if $test -d $thisincl; then
if $test x$thisincl != x$usrinc; then
  case "$dflt" in
*$thisincl*);;
*) dflt="$dflt -I$thisincl";;
  esac
fi
fi
done

```

?X: Include test function (header, symbol)

```

inctest='if $contains $2 $usrinc/$1 >/dev/null 2>&1; then
  xxx=true;
elif $contains $2 $usrinc/sys/$1 >/dev/null 2>&1; then
  xxx=true;
else
  xxx=false;
fi;
if
  $xxx; then
  case "$dflt" in
*$2*);;
*) dflt="$dflt -D$2";;
  esac;
fi'

```

```

?X:
?X: OSF/1 uses __LANGUAGE_C__ instead of LANGUAGE_C
?X:
if ./osf1; then
  set signal.h __LANGUAGE_C__; eval $inctest
else
  set signal.h LANGUAGE_C; eval $inctest
fi

case "$hint" in
default|recommended) dflt="$ccflags $dflt" ;;
*) dflt="$ccflags";;
esac

case "$dflt" in
'| ') dflt=none;;
esac
$cat <<EOH

```

Your C compiler may want other flags. For this question you should include -I/whatever and -DWHATEVER flags and any other flags used by the C compiler, but you should NOT include libraries or ld flags like -lwhatever.

To use no flags, specify the word "none".

```

EOH
?X: strip leading space
set X $dflt
shift
dflt=${1+"$@"}
rp="Any additional cc flags?"
./myread
case "$ans" in
none) ccflags="";;
*) ccflags="$ans";;
esac

```

: the following weeds options from ccflags that are of no interest to cpp

```

cppflags="$ccflags"
case "$gccversion" in
1*) cppflags="$cppflags -D__GNUC__"
esac
case "$mips_type" in
");;
*BSD*)
  cppflags="$cppflags -DSYSTYPE_BSD43";;
esac
case "$cppflags" in

```



```

");;
*)
echo " "
echo "Let me guess what the preprocessor flags are..." >&4
set X $cppflags
shift
cppflags="
$cat >cpp.c <<'EOM'
#define BLURFL foo

BLURFL xx LFRULB
EOM
?X:
?X: For each cc flag, try it out with both cppstdin and cpprun, since the
?X: first is almost surely a cc wrapper. We have to try both in case
?X: of cc flags like '-Olimit 2900' that are actually two words...
?X:
previous="
for flag in $*
do
case "$flag" in
-*) ftry="$flag";;
*) ftry="$previous $flag";;
esac
if $cppstdin -DLFRULB=bar $ftry $cppminus <cpp.c \
>cpp1.out 2>/dev/null && \
$cpprun -DLFRULB=bar $ftry $cpplast <cpp.c \
>cpp2.out 2>/dev/null && \
$contains 'foo.*xx.*bar' cpp1.out >/dev/null 2>&1 && \
$contains 'foo.*xx.*bar' cpp2.out >/dev/null 2>&1
then
cppflags="$cppflags $ftry"
previous="
else
previous="$flag"
fi
done
set X $cppflags
shift
cppflags=${1+"$@"}
case "$cppflags"
in
*~*) echo "They appear to be: $cppflags";;
esac
$rm -f cpp.c cpp?.out
;;
esac

```

```

: flags used in final linking phase
case "$ldflags" in
") if ./venix; then
  dflt='-i -z'
else
  dflt=""
fi
case "$ccflags" in
*-posix*) dflt="$dflt -posix" ;;
esac
;;
*) dflt="$ldflags";;
esac

```

: Try to guess additional flags to pick up local libraries.

```

for thislibdir in $libpth; do
case " $loclibpth " in
*" $thislibdir ")
  case "$dflt " in
*" -L$thislibdir ") ;;
*) dflt="$dflt -L$thislibdir" ;;
esac
;;
esac
done

```

```

case "$dflt" in
") dflt='none' ;;
*) set X $dflt; shift; dflt="$@" ;;
esac

```

```
$cat <<EOH
```

Your C linker may need flags. For this question you should include -L/whatever and any other flags used by the C linker, but you should NOT include libraries like -lwhatever.

Make sure you include the appropriate -L/path flags if your C linker does not normally search all of the directories you specified above, namely

```
$libpth
```

To use no flags, specify the word "none".

```
EOH
```

```

rp="Any
additional ld flags (NOT including libraries)?"
./myread

```

```
case "$ans" in
none) ldflags="";
*) ldflags="$ans";;
esac
rmlist="$rmlist pdp11"
```

```
@if lkflags
: partial linking may need other flags
case "$lkflags" in
") case "$ldflags" in
") dflt='none';;
*) dflt="$ldflags";;
esac;;
*) dflt="$lkflags";;
esac
echo " "
rp="Partial linking flags to be used (NOT including -r)?"
. ./myread
case "$ans" in
none) lkflags="";
*) lkflags="$ans";;
esac
```

```
@end
?X:
?X: If the user changes compilers after selecting a hint file, it's
?X: possible that the suggested ccflags/ldflags will be wrong. Try to
?X: compile and run a simple test program. Let the user see all the
?X: error messages. -- ADO and RAM
?X:
: coherency check
echo " "
echo "Checking your choice of C compiler and flags for coherency..." >&4
?X: Strip extra blanks in case some of the following variables are empty
set X $cc $optimize $ccflags $ldflags -o try try.c
shift
$cat >try.msg <<EOM
I've tried to compile and run a simple program
with:

$*
./try
```

and I got the following output:

```
EOM
$cat > try.c <<'EOF'
#include <stdio.h>
```

```

int main() { exit(0); }
EOF
dflt=y
?X: Use "sh -c" to avoid error messages tagged with leading "Configure:".
?X: We need to try the resulting executable, because cc might yield a 0 status
?X: even when ld failed, in which case the executable will not run properly,
?X: if its x bit is set at all...
if sh -c "$cc $optimize $ccflags $ldflags -o try try.c" >>try.msg 2>&1; then
if sh -c './try' >>try.msg 2>&1; then
    dflt=n
else
    echo "The program compiled OK, but exited with status $?." >>try.msg
    rp="You have a problem. Shall I abort Configure"
    dflt=y
fi
else
    echo "I can't compile the test program." >>try.msg
    rp="You have a BIG problem. Shall I abort Configure"
    dflt=y
fi
case "$dflt" in
y)
    $cat try.msg >&4
?X: using -K will prevent default aborting--maybe they're cross compiling?
case "$knowitall" in
")
    echo "(The supplied flags might be incorrect with this C compiler.)"
    ;;
*)
dflt=n;;
esac
echo " "
./myread
case "$ans" in
n*|N*) ;;
*) echo "Ok. Stopping Configure." >&4
    exit 1
    ;;
esac
;;
n) echo "OK, that should do.";;
esac
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ccflags.U

```

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

```
?RCS: $Id: d_strchr.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_strchr.U,v $
?RCS: Revision 3.0.1.2 1993/10/16 13:49:20 ram
?RCS: patch12: added support for HAS_INDEX
?RCS: patch12: added magic for index() and rindex()
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:05:26 ram
?RCS: patch10: now only defines HAS_STRCHR, no macro remap of index (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:32 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_strchr d_index: contains strings Setvar Myread Oldconfig
Csym
?MAKE: -pick add $@ %<
?S:d_strchr:
?S: This variable conditionally defines HAS_STRCHR if strchr() and
?S: strrchr() are available for string searching.
?S:.
?S:d_index:
?S: This variable conditionally defines HAS_INDEX if index() and
?S: rindex() are available for string searching.
?S:.
?C:HAS_STRCHR:
?C: This symbol is defined to indicate that the strchr()/strrchr()
?C: functions are available for string searching. If not, try the
?C: index()/rindex() pair.
?C:.
?C:HAS_INDEX:
?C: This symbol is defined to indicate that the index()/rindex()
?C: functions are available for string searching.
?C:.
?H:#$d_strchr HAS_STRCHR /**/
?H:#$d_index HAS_INDEX /**/
?H:.
?M:index: HAS_INDEX
?M:#ifndef HAS_INDEX
```

```

?M:#ifndef index
?M:#define index strchr
?M:#endif
?M:#endif
?M:.
?M:rindex: HAS_INDEX
?M:#ifndef HAS_INDEX
?M:#ifndef rindex
?M:#define rindex strchr
?M:#endif
?M:#endif
?M:.
?T:vali
?LINT:set d_strchr d_index
: index or strchr
echo " "
if set index val -f; eval $csym; $val; then
if
set strchr val -f d_strchr; eval $csym; $val; then
if $contains strchr "$strings" >/dev/null 2>&1 ; then
?X: has index, strchr, and strchr in string header
val="$define"
vali="$undef"
echo "strchr() found." >&4
else
?X: has index, strchr, and no strchr in string header
val="$undef"
vali="$define"
echo "index() found." >&4
fi
else
?X: has only index, no strchr, string header is a moot point
val="$undef"
vali="$define"
echo "index() found." >&4
fi
else
if set strchr val -f d_strchr; eval $csym; $val; then
val="$define"
vali="$undef"
echo "strchr() found." >&4
else
echo "No index() or strchr() found!" >&4
val="$undef"
vali="$undef"
fi
fi
set d_strchr; eval $setvar

```

```
val="$vali"  
set d_index; eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strchr.U
```

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

```
?RCS: $Id: i_shadow.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_prot: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_prot:
```

```
?S: This variable conditionally defines the I_PROT symbol, and indicates
```

```
?S: whether a C program should include <prot.h>.
```

```
?S:.
```

```
?C:I_PROT:
```

```
?C: This symbol, if defined, indicates that <prot.h> exists and
```

```
?C: should be included.
```

```
?C:.
```

```
?H:#$i_prot I_PROT /**/
```

```
?H:.
```

```
?LINT:set i_prot
```

```
: see if this is a prot.h system
```

```
set prot.h i_prot
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_prot.U
```

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

```
?RCS: $Id: i_sysutsname.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:i_sysutsname: Inhdr Hasfield
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysutsname:
```

```
?S: This variable conditionally defines the I_SYSUTSNAME symbol,
```

?S: and indicates whether a C program should include <sys/utsname.h>.

?S:.

?C:I\_SYSUTSNAME:

?C: This symbol, if defined, indicates that <sys/utsname.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysutsname I\_SYSUTSNAME /\*\*/

?H:.

?LINT:set i\_sysutsname

: see if this is a sys/utsname.h system

set sys/utsname.h i\_sysutsname

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysutsname.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:full\_ar: ar

?MAKE: -pick add \$@ %<

?S:full\_ar:

?S: This variable contains the full pathname to 'ar', whether or

?S: not the user has specified 'portability'. This is only used

?S: in the Makefile.SH.

?S:.

: Store the full pathname to the ar program for use in the C program

: Respect a hint or command line value for full\_ar.

case "\$full\_ar" in

") full\_ar=\$ar ;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Loc\_ar.U

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

?RCS: \$Id\$

?RCS:



```

?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_statfs_s: \
Hasstruct i_sysparam i_sysmount i_systypes \
i_sysvfs i_sysstatfs Setvar
?MAKE: -pick add $@ %<
?S:d_statfs_s:
?S: This variable conditionally defines the HAS_STRUCT_STATFS symbol,
?S: which indicates that the struct statfs is supported.
?S:.
?C:HAS_STRUCT_STATFS:
?C: This symbol, if defined, indicates that the struct statfs
?C: to do statfs() is supported.
?C:.
?H:#$d_statfs_s HAS_STRUCT_STATFS /**/
?H:.
?LINT:set d_statfs_s
: Check for statfs_s
echo " "
echo "Checking to see if your system supports struct statfs..." >&4
set d_statfs_s statfs $i_systypes sys/types.h $i_sysparam sys/param.h $i_sysmount sys/mount.h $i_sysvfs sys/vfs.h
$i_sysstatfs sys/statfs.h
eval $hasstruct
case "$d_statfs_s"
in
"$define") echo "Yes, it does." ;;
*) echo "No, it doesn't." ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_statfs_s.U

```

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

```

?RCS: $Id$

```

```

?RCS:

```

```

?RCS: Copyright (c) 1996,1998 Andy Dougherty

```

```

?RCS: Copyright (c) 1996, Sven Verdoolaege

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic License,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

```

```

?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.

```

```

?RCS:
?MAKE:d_gnulibc gnulibc_version: Myread Oldconfig Setvar rm_try \
  cat Compile run
?MAKE: -pick add $@ %<
?S:d_gnulibc:
?S: Defined if we're dealing with the GNU C Library.
?S:.
?S:gnulibc_version:
?S: This variable contains the version number of the GNU C library.
?S: It is usually something like '2.2.5'. It is a plain " if this
?S: is not the GNU C library, or if the version is unknown.
?S:.
?C:HAS_GNULIBC ~ %<:
?C: This
  symbol, if defined, indicates to the C program that
?C: the GNU C library is being used. A better check is to use
?C: the __GLIBC__ and __GLIBC_MINOR__ symbols supplied with glibc.
?C:.
?H:?%<:#$d_gnulibc HAS_GNULIBC /**/
?H:?%<:#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)
?H:?%<:#define _GNU_SOURCE
?H:?%<:#endif
?H:.
?F:!glibc.ver !try.c !try
?LINT: set d_gnulibc
?LINT: usefile try.c
?LINT: known _GNU_SOURCE
?X: gnulibc can be executed by calling __libc_main().
?X: Ulrich Drepper doesn't think any other libc does that,
?X: but we check if it says 'GNU C Library' to be sure.
?X:
?X: Alas, as of 3/1998 glibc 2.0.7 reportedly isn't going to
?X: have __libc_main() anymore. :-(. Fortunately, all released
?X: versions of glibc 2.x.x _do_ have CPP variables. For 2.0.6,
?X: they are:
?X: #define __GLIBC__ 2
?X: #define __GLIBC_MINOR__ 0.
?X: (The '6' isn't available :-(.
?X: glibc2.1 will also have
?X: extern const char * __gnu_get_libc_release(void);
?X: extern const char *
  __gnu_get_libc_version(void);
?X: functions. --thanks to Andreas Jaeger. --AD 6/1998.
?X: Although the exact format isn't documented, __gnu_get_libc_version()
?X: returns a simple string '2.1.3' in glibc 2.1.3.
?X:
: determine whether we are using a GNU C library
echo " "

```

```

echo "Checking for GNU C Library..." >&4
cat >try.c <<'EOCP'
/* Find out version of GNU C library. __GLIBC__ and __GLIBC_MINOR__
   alone are insufficient to distinguish different versions, such as
   2.0.6 and 2.0.7. The function gnu_get_libc_version() appeared in
   libc version 2.1.0.   A. Dougherty, June 3, 2002.
*/
#include <stdio.h>
int main(void)
{
#ifdef __GLIBC__
# ifdef __GLIBC_MINOR__
#   if __GLIBC__ >= 2 && __GLIBC_MINOR__ >= 1
#     include <gnu/libc-version.h>
     printf("%s\n", gnu_get_libc_version());
#   else
     printf("%d.%d\n", __GLIBC__, __GLIBC_MINOR__);
#   endif
# else
     printf("%d\n", __GLIBC__);
# endif
     return 0;
#else
     return 1;
#endif
}
EOCP
set
try
if eval $compile_ok && $run ./try > glibc.ver; then
    val="$define"
    gnulibc_version=`$cat glibc.ver`
    echo "You are using the GNU C Library version $gnulibc_version"
else
    val="$undef"
    gnulibc_version=""
    echo "You are not using the GNU C Library"
fi
$rm_try glibc.ver
set d_gnulibc
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_gnulibc.U

```

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

```
?RCS: $Id: i_values.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```

?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_values.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:48:34 ram
?RCS: patch61: created
?RCS:
?MAKE:i_values: Inhdr
?MAKE: -pick add $@ %<
?S:i_values:
?S: This variable conditionally defines the I_VALUES symbol, and indicates
?S: whether a C program may include <values.h> to get symbols like MAXLONG
?S: and friends.
?S:
?C:I_VALUES:
?C: This symbol, if defined, indicates to the C program that it should
?C: include
?C: <values.h> to get definition of symbols like MINFLOAT or
?C: MAXLONG, i.e. machine dependant limitations. Probably, you
?C: should use <limits.h> instead, if it is available.
?C:
?H:#$i_values I_VALUES /**/
?H:
?LINT:set i_values
: see if this is a values.h system
set values.h i_values
eval $inhdr

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_values.U
```

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: lns.U,v $
?RCS: Revision 3.0.1.1 1994/06/20 07:05:52 ram
?RCS: patch30: created by ADO
?RCS:
?MAKE:issymlink: lns test rm
?MAKE: -pick add $@ %<
?S:issymlink:
?S: This variable holds the test command to test for a symbolic link
?S: (if they are supported). Typical values include 'test -h' and
?S: 'test -L'.
?S:.
?T:pth p
?LINT:change PATH test
?LINT:extern newsh
: determine whether symbolic links are supported
echo
" "
case "$lns" in
*"ln*" -s")
echo "Checking how to test for symbolic links..." >&4
$lns blurfl sym
if $test "X$sissymlink" = X; then
?X:
?X: In some AIX 4 versions the (ksh) builtin test (-h) is broken.
?X:
case "$newsh" in
") sh -c "PATH= test -h sym" >/dev/null 2>&1 ;;
*) $newsh -c "PATH= test -h sym" >/dev/null 2>&1 ;;
esac
if test $? = 0; then
issymlink="test -h"
else
echo "Your builtin 'test -h' may be broken." >&4
case "$test" in
/*) ;;
*) pth=`echo $PATH | sed -e "s/$p_/ /g"`
for p in $pth
do
if test -f "$p/$test"; then
test="$p/$test"
break
fi
done
;;

```

```

esac
case "$test" in
/*)
echo "Trying external '$test -h'." >&4
issymlink="$test -h"
if $test ! -h sym >/dev/null 2>&1; then
echo "External '$test -h' is broken, too." >&4
issymlink=""
fi
;;
*) issymlink="" ;;
esac
fi
fi
if $test "X$issymlink" = X; then
if $test -L sym 2>/dev/null; then
issymlink="$test
-L"
echo "The builtin '$test -L' worked." >&4
fi
fi
if $test "X$issymlink" != X; then
echo "You can test for symbolic links with '$issymlink'." >&4
else
echo "I do not know how you can test for symbolic links." >&4
fi
$rm -f blurfl sym
;;
*) echo "No symbolic links, so not testing for their testing..." >&4
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/issymlink.U
```

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_lrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lrint:

?S: This variable conditionally defines the HAS\_LRINT symbol, which

?S: indicates to the C program that the lrint() routine is available

?S: to return the integral value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LRINT:

?C: This symbol, if defined, indicates that the lrint routine is

?C: available to return the integral value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_lrint HAS\_LRINT /\*\*/

?H:.

?LINT:set d\_lrint

: see if lrint exists

set lrint d\_lrint

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lrint.U

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

?RCS: \$Id: d\_su\_chown.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_su\_chown.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:40 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_su\_chown: Csym Setvar

?MAKE: -pick add \$@ %<

?S:d\_su\_chown (d\_rootchown):

?S: This variable conditionally defines the SU\_CHOWN symbol, which

?S: indicates to the C program that only root can chown() the owner

?S: of a file.

?S:.

?C:SU\_CHOWN (ROOT\_CHOWN):

?C: This symbol, if defined, indicates that the system allows only root

?C: can

change the owner of a file with chown().

?C:.

?H:#\$d\_su\_chown SU\_CHOWN /\*\*/

?H:.

?LINT:set d\_su\_chown

: see if 'chown()' is restricted.

: but not too hard, as it is late and I am tired. -- HMS

```

echo " "
if set setreuid val -f d_su_chown; eval $csym; $val; then
echo 'It looks like only root can chown() the owner of a file.' >&4
val="$define"
else
echo 'It looks like root or the owner can chown() a file away.' >&4
val="$undef"
fi
set d_su_chown
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_su_chown.U
```

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

?RCS: \$Id: usenm.U,v 3.0.1.1 1997/02/28 16:26:40 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: usenm.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:26:40 ram

?RCS: patch61: don't use nm with the GNU C library

?RCS: patch61: added support for Linux shared libs

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:usenm runnm nm\_opt nm\_so\_opt: cat test Myread Oldconfig myuname grep \

nm d\_gnulibc osname egrep rsrc

?MAKE: -pick add \$@ %<

?S:usenm:

?S: This variable contains 'true' or 'false' depending

whether the

?S: nm extraction is wanted or not.

?S:.

?S:runnm:

?S: This variable contains 'true' or 'false' depending whether the

?S: nm extraction should be performed or not, according to the value

?S: of usenm and the flags on the Configure command line.

?S:.

?S:nm\_opt:



?S: This variable holds the options that may be necessary for nm.

?S:.

?S:nm\_so\_opt:

?S: This variable holds the options that may be necessary for nm

?S: to work on a shared library but that can not be used on an

?S: archive library. Currently, this is only used by Linux, where

?S: nm --dynamic is \*required\* to get symbols from an ELF library which

?S: has been stripped, but nm --dynamic is \*fatal\* on an archive library.

?S: Maybe Linux should just always set usenm=false.

?S:.

: see if nm is to be used to determine whether a symbol is defined or not

?X: If there is enough inquiries, it might be worth to wait for the nm

?X: extraction. Otherwise, the C compilations might be a better deal.

?X:

?X: Don't bother if we're

using GNU libc -- skimo

?LINT:extern PASE

case "\$usenm" in

)

dflt="

case "\$d\_gnulibc" in

"\$define")

echo " "

echo "nm probably won't work on the GNU C Library." >&4

dflt=n

::

esac

case "\$dflt" in

)

if \$test "\$osname" = aix -a "\$X\$PASE" != "Xdefine" -a ! -f /lib/syscalls.exp; then

echo " "

echo "Whoops! This is an AIX system without /lib/syscalls.exp!" >&4

echo "'nm' won't be sufficient on this system." >&4

dflt=n

fi

::

esac

case "\$dflt" in

) dflt=\$(egrep 'inlibc|sym' \$src/Configure | wc -l 2>/dev/null`

if \$test \$dflt -gt 20; then

dflt=y

else

dflt=n

fi

::

esac

::

\*)

```

case "$usenm" in
true|$define) dflt=y;;
*) dflt=n;;
esac
;;
esac
$cat <<EOM

```

I can use \$nm to extract the symbols from your C libraries. This is a time consuming task which may generate huge output on the disk (up to 3 megabytes) but that should make the symbols extraction faster. The alternative is to skip the 'nm' extraction part and to compile a small test program instead to determine whether each symbol is present. If you have a fast C compiler and/or if your 'nm' output cannot be parsed, this may be the best solution.

You probably shouldn't let me use 'nm' if you are using the GNU C Library.

EOM

```

rp="Shall I use $nm to extract C symbols from the libraries?"
. ./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac

```

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag  
?X: was provided to configure (in which case we simply re-use the previous  
?X: values).

```

runnm=$usenm
case "$reusel" in
true) runnm=false;;
esac

```

: nm options which may be necessary

```

case "$nm_opt" in
") if $test -f /mach_boot; then
nm_opt=" # Mach
elif $test -d /usr/ccs/lib; then
nm_opt='-p' # Solaris (and SunOS?)
elif $test -f /dgux; then
nm_opt='-p' # DG-UX
elif $test -f /lib64/rld; then
nm_opt='-p' # 64-bit Irix
else
nm_opt="
fi;;

```

esac

```
: nm options which may be necessary for shared libraries but illegal
: for archive
libraries. Thank you, Linux.
case "$nm_so_opt" in
") case "$myuname" in
*linux*|gnu*)
if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
nm_so_opt='--dynamic'
fi
;;
esac
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/usenm.U
```

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

?RCS: \$Id: d\_sbrk.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_sbrk.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:06:31 ram

?RCS: patch16: created

?RCS:

?MAKE:d\_sbrk: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_sbrk:

?S: This variable conditionally defines HAS\_SBRK if sbrk() is

?S: available to add more core to the process.

?S:.

?C:HAS\_SBRK:

?C: This symbol, if defined, indicates that the sbrk system call is

?C: available to add/release core. Always true on Unix.

?C:.

?H:#\$d\_sbrk HAS\_SBRK /\*\*/

?H:.

?LINT:set d\_sbrk

```
: see
if sbrk exists
set sbrk d_sbrk
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_sbrk.U
```

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

?RCS: \$Id: d\_gmtime\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_gmtime\_r gmtime\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_time i\_systime extern\_C

?MAKE: -pick add \$@ %<

?S:d\_gmtime\_r:

?S: This variable conditionally defines the HAS\_GMTIME\_R symbol,

?S: which indicates to the C program that the gmtime\_r()

?S: routine is available.

?S:.

?S:gmtime\_r\_proto:

?S: This variable encodes the prototype of gmtime\_r.

?S: It is zero if d\_gmtime\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gmtime\_r

?S: is defined.

?S:.

?C:HAS\_GMTIME\_R:

?C: This symbol, if defined, indicates that the gmtime\_r routine

?C: is available to gmtime re-entrantly.

?C:.

?C:GMTIME\_R\_PROTO:

?C: This

symbol encodes the prototype of gmtime\_r.

?C: It is zero if d\_gmtime\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gmtime\_r

?C: is defined.

?C:.

?H:#\$d\_gmtime\_r HAS\_GMTIME\_R /\*\*/

?H:#define GMTIME\_R\_PROTO \$gmtime\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_gmtime\_r\_proto

: see if gmtime\_r exists

```

set gmtime_r d_gmtime_r
eval $inlibc
case "$d_gmtime_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
case "$d_gmtime_r_proto:$usethreads" in
":define") d_gmtime_r_proto=define
set d_gmtime_r_proto gmtime_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_gmtime_r_proto" in
define)
case "$gmtime_r_proto" in
"|0) try='struct tm* gmtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && gmtime_r_proto=S_TS ;;
esac
case "$gmtime_r_proto" in
"|0) try='int gmtime_r(const time_t*, struct tm*);'
./protochk "$extern_C $try" $hdrs && gmtime_r_proto=I_TS ;;
esac
case
"$gmtime_r_proto" in
"|0) d_gmtime_r=undef
gmtime_r_proto=0
echo "Disabling gmtime_r, cannot determine prototype." >&4 ;;
*) case "$gmtime_r_proto" in
REENTRANT_PROTO*) ;;
*) gmtime_r_proto="REENTRANT_PROTO_$gmtime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "gmtime_r has no prototype, not using it." >&4 ;;
esac
d_gmtime_r=undef
gmtime_r_proto=0
;;
esac
;;
*) gmtime_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_gmtime_r.U

```

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

```
?RCS: $Id: so.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: so.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 16:30:04 ram
?RCS: patch36: now tells user how he can suppress shared lib lookup (ADO)
?RCS: patch36: removed echo at the top, since it's now in the here-doc (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 07:07:02 ram
?RCS: patch30: created
?RCS:
?X:
?X: This unit computes the shared-object / shared-lib extension
?X:
?MAKE:so d_libname_unique: test libpth Loc Myread Oldconfig cat Setvar
?MAKE: -pick add $@ %<
?S:so:
?S: This
    variable holds the extension used to identify shared libraries
?S: (also known as shared objects) on the system. Usually set to 'so'.
?S:.
?S:d_libname_unique:
?S: This variable is defined if the target system insists on unique
?S: basenames for shared library files. This is currently true on Android,
?S: false everywhere else we know of.
?S: Defaults to 'undef'.
?S:.
?LINT:set d_libname_unique
?T: xxx
: compute shared library extension
case "$so" in
")
if xxx=`./loc libc.sl X $libpth`; $test -f "$xxx"; then
    dflt='sl'
else
    dflt='so'
fi
;;
*) dflt="$so";;
```

```
esac
$cat <<EOM
```

On some systems, shared libraries may be available. Answer 'none' if you want to suppress searching of shared libraries for the remainder of this configuration.

```
EOM
rp='What is the file extension used for shared libraries?'
. ./myread
so="$ans"
```

```
: Does target system insist that shared library basenames are unique
$cat << EOM
```

Some dynamic loaders assume that the \*basename\* of shared library filenames are globally unique. We'll default this to undef as we assume your system is not this weird. Set to defined if you're on one of them.

```
EOM

dflt='n'
rp='Make shared library basenames unique?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set d_libname_unique
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/so.U
```

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

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
```

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_sigsetjmp.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:44:33 ram

?RCS: patch61: created

?RCS:

?MAKE:d\_sigsetjmp: Setvar cat +cc +ccflags +ldflags libs rm

?MAKE: -pick add \$@ %<

?S:d\_sigsetjmp:

?S: This variable conditionally defines the HAS\_SIGSETJMP symbol,

?S: which indicates that the sigsetjmp() routine

is available to

?S: call setjmp() and optionally save the process's signal mask.

?S:.

?C:HAS\_SIGSETJMP:

?C: This variable indicates to the C program that the sigsetjmp()

?C: routine is available to save the calling process's registers

?C: and stack environment for later use by siglongjmp(), and

?C: to optionally save the process's signal mask. See

?C: Sigjmp\_buf, Sigsetjmp, and Siglongjmp.

?C:.

?C:Sigjmp\_buf:

?C: This is the buffer type to be used with Sigsetjmp and Siglongjmp.

?C:.

?C:Sigsetjmp:

?C: This macro is used in the same way as sigsetjmp(), but will invoke

?C: traditional setjmp() if sigsetjmp isn't available.

?C: See HAS\_SIGSETJMP.

?C:.

?C:Siglongjmp:

?C: This macro is used in the same way as siglongjmp(), but will invoke

?C: traditional longjmp() if siglongjmp isn't available.

?C: See HAS\_SIGSETJMP.

?C:.

?H:%<:#\$d\_sigsetjmp HAS\_SIGSETJMP /\*\*/

?H:%<:#ifdef HAS\_SIGSETJMP

?H:%<:#define Sigjmp\_buf sigjmp\_buf

?H:%<:#define Sigsetjmp(buf,save\_mask) sigsetjmp((buf),(save\_mask))

?H:%<:#define

Siglongjmp(buf,retval) siglongjmp((buf),(retval))

?H:%<:#else

?H:%<:#define Sigjmp\_buf jmp\_buf

?H:%<:#define Sigsetjmp(buf,save\_mask) setjmp((buf))

?H:%<:#define Siglongjmp(buf,retval) longjmp((buf),(retval))

?H:%<:#endif

?H:.

?W:%<:Sigjmp\_buf Sigsetjmp Siglongjmp



```

?F:!set
?LINT:set d_sigsetjmp
: see if sigsetjmp exists
?X: We can't check for these symbols with Inlibc because sigsetjmp
?X: is (sometimes? always?) a macro under GCC
echo " "
case "$d_sigsetjmp" in
")
$cat >set.c <<'EOP'
#include <setjmp.h>
sigjmp_buf env;
int set = 1;
int main()
{
if (sigsetjmp(env,1))
exit(set);
set = 0;
siglongjmp(env, 1);
exit(1);
}
EOP
if $cc $ccflags $ldflags -o set set.c $libs > /dev/null 2>&1 ; then
if ./set >/dev/null 2>&1; then
echo "POSIX sigsetjmp found." >&4
val="$define"
else
$cat >&4 <<EOM
Uh-Oh! You have POSIX sigsetjmp and siglongjmp, but they do not work properly!!
I'll ignore them.
EOM
val="$undef"
fi
else
echo "sigsetjmp not found."
>&4
val="$undef"
fi
;;
*) val="$d_sigsetjmp"
case "$d_sigsetjmp" in
$define) echo "POSIX sigsetjmp found." >&4;;
$undef) echo "sigsetjmp not found." >&4;;
esac
;;
esac
set d_sigsetjmp
eval $setvar
$rm -f set.c set

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sigsetjmp.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_finite: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_finite:

?S: This variable conditionally defines the HAS\_FINITE symbol, which

?S: indicates to the C program that the finite() routine is available.

?S:.

?C:HAS\_FINITE:

?C: This symbol, if defined, indicates that the finite routine is

?C: available to check whether a double is finite (non-infinity non-NaN).

?C:.

?H:#\$d\_finite HAS\_FINITE /\*\*/

?H:.

?LINT:set d\_finite

: see if finite exists

set finite d\_finite

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_finite.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: man1dir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:10:29 ram

```

?RCS: patch61: created
?RCS:
?X:
?X: This was originally specific to perl5. Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and man3dir. This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: afs cat nroff Loc Oldconfig \
package test Getfile Prefixit prefixexp
Prefixup sysman Myread
?MAKE: -pick add $@ %<
?Y:TOP
?S:man1dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put. It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?S:man1direxp:
?S: This variable is the same as the man1dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?S:installman1dir:
?S: This variable is really the same as man1direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man1direxp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man1ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '1'. The Makefile must supply the '.'.
?S: See man1dir.
?S:.
?T:lookpath
: determine
where manual pages go
set man1dir man1dir none
eval $prefixit
$cat <<EOM

$package has manual pages available in source form.
EOM
case "$nroff" in
nroff)
echo "However, you don't have nroff, so they're probably useless to you."
case "$man1dir" in
") man1dir="none";;

```

```

esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
') dflt=none
;;
")
lookpath="$prefixexp/man/man1 $prefixexp/man/l_man/man1"
lookpath="$lookpath $prefixexp/man/p_man/man1"
lookpath="$lookpath $prefixexp/man/u_man/man1"
lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people expect man1dir to be under prefix,
?X: so we now always put it there. Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
case "$sysman" in
*/?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
*) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
esac
set dflt
eval $prefixup
;;
*)
dflt="$man1dir"
;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
./getfile
if $stest "X$man1direxp" != "X$sansexp"; then
installman1dir="
fi
man1dir="$sans"
man1direxp="$sansexp"
case "$man1dir" in
") man1dir=' '
installman1dir="";;
esac
if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installman1dir" in

```

```

") dflt=`echo $man1direxp | sed 's#^/afs/#/afs/#`;;
*) dflt="$installman1dir";;
esac
fn=de~
rp='Where will man pages be installed?'
./getfile
installman1dir="$ans"
else
installman1dir="$man1direxp"
fi

: What suffix to use on installed man pages

case "$man1dir" in
')
man1ext='0'
;;
*)
rp="What suffix should be used for the main $spackage man pages?"
case "$man1ext" in
") case "$man1dir" in
*1) dflt=1 ;;
*1p)
dflt=1p ;;
*1pm) dflt=1pm ;;
*1) dflt=1;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L1) dflt=L1;;
*) dflt=1;;
esac
;;
*) dflt="$man1ext";;
esac
./myread
man1ext="$ans"
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/man1dir.U

```

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

```

?RCS: $Id: registers.U 1 2006-08-24 12:32:52Z rmanfredi $

```

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: registers.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:19:41 ram  
?RCS: patch61: removed empty ?LINT lines  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:28:33 ram  
?RCS: patch36: call ./Cpplib explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:41 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:registers reg1 reg2 reg3 reg4 reg5 reg6 reg7 reg8 reg9 reg10 reg11 \  
reg12 reg13 reg14 reg15 reg16: awk rm Cpplib  
Myread Oldconfig  
?MAKE: -pick add \$@ %<  
?S:registers:  
?S: This variable contains the number of register declarations paid  
?S: attention to by the C compiler.  
?S:.  
?S:reg1:  
?S: This variable, along with reg2, reg3, etc. contains the eventual  
?S: value for the symbols register1, register2, register3, etc. It has  
?S: either the value "register" or is null.  
?S:.  
?C:register1:  
?C: This symbol, along with register2, register3, etc. is either the word  
?C: "register" or null, depending on whether the C compiler pays attention  
?C: to this many register declarations. The intent is that you don't have  
?C: to order your register declarations in the order of importance, so you  
?C: can freely declare register variables in sub-blocks of code and as  
?C: function parameters. Do not use register<n> more than once per routine.  
?C:.  
?LINT:describe reg2 reg3 reg4 reg5 reg6 reg7 reg8 reg9 reg10 reg11  
?LINT:describe reg12 reg13 reg14 reg15 reg16  
?LINT:known register2 register3 register4 register5 register6  
register7  
?LINT:known register8 register9 register10 register11 register12 register13  
?LINT:known register14 register15 register16  
?H:#define register1 \$reg1 /\*\*/  
?H:#define register2 \$reg2 /\*\*/

```

?H:#define register3 $reg3 /**/
?H:#define register4 $reg4 /**/
?H:#define register5 $reg5 /**/
?H:#define register6 $reg6 /**/
?H:#define register7 $reg7 /**/
?H:#define register8 $reg8 /**/
?H:#define register9 $reg9 /**/
?H:#define register10 $reg10 /**/
?H:#define register11 $reg11 /**/
?H:#define register12 $reg12 /**/
?H:#define register13 $reg13 /**/
?H:#define register14 $reg14 /**/
?H:#define register15 $reg15 /**/
?H:#define register16 $reg16 /**/
?H:
?F:!.foo
: see how many register declarations we want to use
case "$registers" in
")
if ./Cppsym vax; then
dflt=6
elif ./Cppsym sun mc68000 mips; then
dflt=10
elif ./Cppsym pyr; then
dflt=14
elif ./Cppsym ns32000 ns16000; then
dflt=5
elif ./Cppsym $smallmach; then
dflt=3
else
: if you have any other numbers
for me, please send them in
dflt=6
fi;;
*) dflt=$registers ;;
esac
?LINT:set reg2 reg3 reg4 reg5 reg6 reg7 reg8 reg9 reg10 reg11
?LINT:set reg12 reg13 reg14 reg15 reg16
cat <<EOM

```

Different C compilers on different machines pay attention to different numbers of register declarations. About how many register declarations in each routine does your C compiler pay attention to? (OK to guess)

```

EOM
rp="Maximum register declarations?"
./myread
registers=$ans

```

```
reg1="
$awk "BEGIN { for (i=1; i<=16; i++) printf \"reg%d=\\n\\\", i} \" \
</dev/null >.foo
. ./foo
$awk "BEGIN { for (i=1; i<=$registers; i++) printf \"reg%d=register\\n\\\", i} \" \
</dev/null >.foo
. ./foo
$rm -f .foo
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/registers.U
```

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_remainder: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_remainder:

?S: This variable conditionally defines the HAS\_REMAINDER symbol, which

?S: indicates to the C program that the remainder() routine is available.

?S:.

?C:HAS\_REMAINDER:

?C: This symbol, if defined, indicates that the remainder routine is

?C: available to return the floating-point remainder.

?C:.

?H:#\$d\_remainder HAS\_REMAINDER /\*\*/

?H:.

?LINT:set d\_remainder

: see if remainder exists

set remainder d\_remainder

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_remainder.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2016 H.Merijn Brand & Todd Rinaldo

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:default\_inc\_excludes\_dot: Myread cat

?MAKE: -pick add \$@ %<



```
?S:default_inc_excludes_dot:
?S: When defined, remove the legacy '.' from @INC
?S:.
?C:DEFAULT_INC_EXCLUDES_DOT:
?C: This symbol, if defined, removes the legacy default behavior of
?C: including '.' at the end of @INC.
?C:.
?H:#$default_inc_excludes_dot DEFAULT_INC_EXCLUDES_DOT /**/
?H:.
: Include . in @INC
$cat <<EOM
```

Historically Perl has provided a final fallback of the current working directory '.' when searching for a library. This, however, can lead to problems when a Perl program which loads optional modules is called from a shared directory. This can lead to executing unexpected code.

EOM

```
# When changing to exclude by
default:
case "$default_inc_excludes_dot" in
  $undef|false|[nN]*) dflt="n" ;;
  *)                  dflt="y" ;;
esac
# To turn exclude off by default:
#case "$default_inc_excludes_dot" in
#  $define|true|[yY]*) dflt="y" ;;
#  *)                  dflt="n" ;;
#esac

rp='Exclude '.' from @INC by default? '
./myread
case "$ans" in
  [nN]|undef) default_inc_excludes_dot="$undef" ;;
  *)         default_inc_excludes_dot="$define" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/defaultincdot.U
```

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

```
?RCS: $Id: cf_name.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: cf\_name.U,v \$

?RCS: Revision 3.0.1.2 1994/05/06 14:29:36 ram

?RCS: patch23: fixed user name computation from /etc/passwd in bsd systems

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:05:11 ram

?RCS: patch16: created

?RCS:

?RCS:

?MAKE:+cf\_name: cf\_by passcat Filexp nametype cat test

?MAKE: -pick add \$@ %<

?S:cf\_name:

?S: Full name of the person who ran the Configure script and answered the

?S: questions. This can be used by units that require the user's full name.

?S: This variable is for internal use only.

?S:.

?T:xxx fn NAME

: figure out their full name

case "\$NAME" in

) case "\$nametype" in

other)

fn=`./filexp ~/.fullname`

xxx=usg

\$test -f \$fn && xxx=other

::

\*)

xxx="\$nametype"

::

esac

case "\$xxx" in

bsd)

cf\_name=`\$passcat | grep "^\$cf\_by:" | \

sed -e 's/^[^:]\*:[^:]\*:[^:]\*:[^:]\*\([^:]\*\):.\*\1/' \

-e 's/,.\*//'^

::

usg)

cf\_name=`\$passcat | grep "^\$cf\_by:" | \

sed -e 's/^[^:]\*:[^:]\*:[^:]\*:[^:]\*\([^:]\*\):.\*\1/' \

-e 's/[^-]\*-\(.\*\)(.\*)\1/'

::

```
*)  
cf_name=`$cat $fn`  
;;  
esac
```

```
;;  
*)  
cf_name="$NAME"  
;;  
esac
```

?X:

?X: In the original unit, Graham asked for the user name, in case the above  
?X: code was unable to figure it out correctly. Since now cf\_name has been  
?X: made an internal variable only (i.e. it is not saved in config.sh), letting  
?X: the user override the computed default each time would be a pain.

?X:

Therefore, I have decided to trust the above code to get it right, and for  
?X: those rare cases where it will fail, too bad :-)--RAM.

?X:

```
echo " "
```

```
echo "Pleased to meet you, $cf_name."
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/cf_name.U
```

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

?RCS: \$Id: d\_msgctl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_msgctl.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:38 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_msgctl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_msgctl:

?S: This variable conditionally defines the HAS\_MSGCTL symbol, which

?S: indicates to the C program that the msgctl() routine is available.

?S:.

?C:HAS\_MSGCTL:

?C: This symbol, if defined, indicates that the msgctl() routine is

?C: available to perform message control operations.

?C:.

?H:#\$d\_msgctl

HAS\_MSGCTL /\*\*/

?H:.

?LINT:set d\_msgctl

: see if msgctl exists

set msgctl d\_msgctl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msgctl.U

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

?RCS: \$Id: d\_random\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_random\_r random\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_stdlib extern\_C

?MAKE: -pick add \$@ %<

?S:d\_random\_r:

?S: This variable conditionally defines the HAS\_RANDOM\_R symbol,

?S: which indicates to the C program that the random\_r()

?S: routine is available.

?S:.

?S:random\_r\_proto:

?S: This variable encodes the prototype of random\_r.

?S: It is zero if d\_random\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_random\_r

?S: is defined.

?S:.

?C:HAS\_RANDOM\_R:

?C: This symbol, if defined, indicates that the random\_r routine

?C: is available to random re-entrantly.

?C:.

?C:RANDOM\_R\_PROTO:

?C: This

symbol encodes the prototype of random\_r.

?C: It is zero if d\_random\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_random\_r

?C: is defined.

?C:.

```

?H:#$d_random_r HAS_RANDOM_R /**/
?H:#define RANDOM_R_PROTO $random_r_proto /**/
?H:.
?T:try hdrs d_random_r_proto
: see if random_r exists
set random_r d_random_r
eval $inlibc
case "$d_random_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_stdlib stdlib.h"
case "$d_random_r_proto:$usethreads" in
":define") d_random_r_proto=define
set d_random_r_proto random_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_random_r_proto" in
define)
case "$random_r_proto" in
"|0) try='int random_r(int*, struct random_data*);'
./prochck "$extern_C $try" $hdrs && random_r_proto=I_iS ;;
esac
case "$random_r_proto" in
"|0) try='int random_r(long*, struct random_data*);'
./prochck "$extern_C $try" $hdrs && random_r_proto=I_lS ;;
esac
case "$random_r_proto" in
"|0)
try='int random_r(struct random_data*, int32_t*);'
./prochck "$extern_C $try" $hdrs && random_r_proto=I_St ;;
esac
case "$random_r_proto" in
"|0) d_random_r=undef
random_r_proto=0
echo "Disabling random_r, cannot determine prototype." >&4 ;;
* ) case "$random_r_proto" in
REENTRANT_PROTO*) ;;
*) random_r_proto="REENTRANT_PROTO_$random_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "random_r has no prototype, not using it." >&4 ;;
esac
d_random_r=undef
random_r_proto=0
;;

```

```
esac
;;
*) random_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_random_r.U
```

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

```
?RCS: $Id: i_sysndir.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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?RCS: as specified in the README file that comes with the distribution.
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?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_sysndir.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:33 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:i_sysndir: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysndir:
```

```
?S: This variable conditionally defines the I_SYS_NDIR symbol, and indicates
```

```
?S: whether a C program should include <sys/ndir.h>.
```

```
?S:.
```

```
?C:I_SYS_NDIR (I_SYSNDIR):
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/ndir.h>.
```

```
?C:.
```

```
?H:#$i_sysndir
```

```
I_SYS_NDIR /**/
```

```
?H:.
```

```
?LINT:set i_sysndir
```

```
: see if this is an sysndir system
```

```
set sys/ndir.h i_sysndir
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysndir.U
```

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

?RCS: \$Id: dlsrc.U,v\$

?RCS:

?RCS: Copyright (c) 1996-1998, Andy Dougherty

?RCS:

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?RCS:

?RCS: \$Log: dlsrc.U,v \$

?RCS:

?X: hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>

?X:

?X: To create a shared library, you must compile ALL source files in the

?X: library with +z (or possibly +Z if the library is whopping huge),

?X: then link the library with -b. Example:

?X: cc -c +z module\_a.c

?X: cc -c +z module\_b.c

?X: ld -b module\_a.o module\_b.o -o module.sl

?X:

?MAKE:usedl ld dlsrc ccdlflags lddlflags ccdlflags bin\_ELF ld\_can\_script: \  
 rm\_try Getfile Myread test osname sed d\_dlopen Findhdr Setvar \  
 src run cc cclflags ldflags optimize ls gccversion cat rsrc i\_stdlib \  
 i\_unistd osvers sysroot

?MAKE: -pick add \$@ %<

?Y:BOTTOM

?S:usedl:

?S: This variable

indicates if the system supports dynamic

?S: loading of some sort. See also dlsrc and dlobj.

?S:.

?S:ld:

?S: This variable indicates the program to be used to link

?S: libraries for dynamic loading. On some systems, it is 'ld'.

?S: On ELF systems, it should be \$cc. Mostly, we'll try to respect

?S: the hint file setting.

?S:.

?S:dlsrc:

?S: This variable contains the name of the dynamic loading file that

?S: will be used with the package.

?S:.

?S:ccdlflags:

?S: This variable contains any special flags that might need to be

?S: passed with 'cc -c' to compile modules to be used to create a shared

?S: library that will be used for dynamic loading. For hpux, this

?S: should be +z. It is up to the makefile to use it.

?S:.

?S:lddlflags:

?S: This variable contains any special flags that might need to be

?S: passed to \$ld to create a shared library suitable for dynamic

?S: loading. It is up to the makefile to use it. For hpux, it  
 ?S: should be '-b'. For sunos 4.1, it is empty.  
 ?S:.  
 ?S:ccdlflags:  
 ?S: This  
 variable contains any special flags that might need to be  
 ?S: passed to cc to link with a shared library for dynamic loading.  
 ?S: It is up to the makefile to use it. For sunos 4.1, it should  
 ?S: be empty.  
 ?S:.  
 ?S:bin\_ELF:  
 ?S: This variable saves the result from configure if generated binaries  
 ?S: are in ELF format. Only set to defined when the test has actually  
 ?S: been performed, and the result was positive.  
 ?S:.  
 ?S:ld\_can\_script:  
 ?S: This variable shows if the loader accepts scripts in the form of  
 ?S: -Wl,--version-script=ld.script. This is currently only supported  
 ?S: for GNU ld on ELF in dynamic loading builds.  
 ?S:.  
 ?C:USE\_DYNAMIC\_LOADING ~ %<:  
 ?C: This symbol, if defined, indicates that dynamic loading of  
 ?C: some sort is available.  
 ?C:.  
 ?H:%<:#\$usedl USE\_DYNAMIC\_LOADING /\*\*/  
 ?H:.  
 ?W:%<:dlopen  
 ?T:dldir thisflag tdir  
 ?F:!a.out  
 : determine which dynamic loading, if any, to compile in  
 echo " "  
 dldir="ext/DynaLoader"  
 case "\$usedl" in  
 \$define|y|true)  
 dflt='y'  
 usedl="\$define"  
 ;;  
 \$undef|n|false)  
 dflt='n'  
 usedl="\$undef"  
 ;;  
 \*)  
 dflt='n'  
 case "\$d\_dlopen" in  
 \$define) dflt='y' ;;  
 esac  
 : Does a dl\_XXX.XS file exist for this operating system  
 \$test -f \$src/\$dldir/dl\_\${osname}.xs && dflt='y'



```

;;
esac
rp="Do you wish to use dynamic loading?"
./myread
usedl="$ans"
bin_ELF="$undef"
case "$ans" in
  y*) usedl="$define"
case "$dlsrc" in
  ") if $test -f $rsrc/$dldir/dl_${osname}.xs ; then
    dflt="$dldir/dl_${osname}.xs"
  elif $test "$d_dlopen" = "$define" ; then
    dflt="$dldir/dl_dlopen.xs"
  else
    dflt="
  fi
;;
  *) dflt="$dldir/$dlsrc"
;;
esac
echo "The following dynamic loading files are available:"
: Can not go over to $dldir because getfile has path hard-coded in.
tdir=`pwd`; cd "$rsrc"; $ls -C $dldir/dl*.xs; cd "$tdir"
rp="Source file to use for dynamic loading"
fn="fne"
gfpth="$src"
./getfile
usedl="$define"
: emulate basename
dlsrc=`echo $ans | $sed -e 's%.*^([^\]*)$%\1%`

$cat
<< EOM

```

Some systems may require passing special flags to \$cc -c to compile modules that will be used to create a shared library. To use no flags, say "none".

```

EOM
case "$cccdlflags" in
  ") case "$gccversion" in
  ") case "$osname" in
    hpux) dflt='+z' ;;
    irix*) dflt='-KPIC' ;;
    svr4*|esix*|solaris|nonstopux) dflt='-KPIC' ;;
    sunos) dflt='-pic' ;;
  *) dflt='none' ;;
esac

```

```

;;
*) case "$osname" in
darwin) dflt='none' ;;
*linux*|svr4*|esix*|solaris|nonstopux) dflt='-fPIC' ;;
*) dflt='-fpic' ;;
esac ;;
esac ;;
') dflt='none' ;;
*) dflt="$cccdlflags" ;;
esac

case "$dflt" in
none) dflt="" ;;
esac

# If -Dsysroot was specified, now's the time to add it
# to cccdlflags
if test "X$sysroot" != X; then
  case "$gccversion" in
  *) ;;
  *) case "$dflt" in
  *sysroot*) ;;
  'undef'|*)
    dflt="$dflt --sysroot=$sysroot" ;;
  esac
  ;;
  esac
fi

case "$dflt" in
") dflt='none';;
esac

rp="Any
special flags to pass to $cc -c to compile shared library modules?"
./myread
case "$ans" in
?X: Use ' ' so that a subsequent Configure run preserves the old state.
none) cccdlflags=' ' ;;
*) cccdlflags="$ans" ;;
esac

cat << EOM

Some systems use ld to create libraries that can be dynamically loaded,
while other systems (such as those using ELF) use $cc.

EOM

```

```

: Determine if this is ELF
$cat >try.c <<EOM
/* Test for whether ELF binaries are produced */
#include <fcntl.h>
#include <unistd.h>
#include <stdlib.h>
#include <stdio.h>
int main() {
    char b[4];
    int i = open("a.out",O_RDONLY);
    if(i == -1)
        exit(1); /* fail */
    if(read(i,b,4)==4 && b[0]==127 && b[1]=='E' && b[2]=='L' && b[3]=='F')
        exit(0); /* succeed (yes, it is ELF) */
    else
        exit(1); /* fail */
}
EOM
if $cc $ccflags $ldflags -o a.out try.c >/dev/null 2>&1 && $run ./a.out; then
    bin_ELF="$define"
fi
$rm_try

case "$ld" in

    *) if $test $bin_ELF = "$define"; then
        cat <<EOM
You appear to have ELF support. I'll use $cc to build dynamic libraries.
EOM
        dflt="$cc"
    else
        echo "I'll use ld to build dynamic libraries."
        dflt='ld'
    fi
;;
*) dflt="$ld"
;;
esac

rp="What command should be used to create dynamic libraries?"
. ./myread
ld="$ans"

```

```
cat << EOM
```

Some systems may require passing special flags to \$ld to create a library that can be dynamically loaded. If your ld flags include -L/other/path options to locate libraries outside your loader's normal search path, you may need to specify those -L options here as well. To use no flags, say "none".

```
EOM
```

```
case "$lddflags" in
  *) case "$osname" in
      haiku) dflt='-shared' ;;
      hpux) dflt='-b';
      case "$gccversion" in
        *) dflt="$dflt +vnocompatwarnings" ;;
      esac
    ;;
  *) *linux*|*irix*|*gnu*) dflt="-shared $optimize" ;;
  *) solaris) # See [perl #66604].
      # On Solaris 11, gcc -m64
on amd64
  # appears not to understand -G. gcc versions at
  # least as old as 3.4.3 support -shared, so just
  # use that with Solaris 11 and later, but keep
  # the old behavior for older Solaris versions.
  case "$gccversion" in
    *) dflt='-G' ;;
  *) case "$osvers" in
      2.?|2.10) dflt='-G' ;;
      *) dflt='-shared' ;;
    esac
  ;;
  *) sunos) dflt='-assert nodefinitions' ;;
  *) svr4*|*esix*|*nonstopux) dflt="-G $ldflags" ;;
  *) dflt='none' ;;
esac
;;
*) dflt="$lddflags" ;;
esac
```

```
: Only do this for gcc, since, for example, qcc has no concept
```

```
: of --sysroot.
```

```
if $test "X$sysroot" != X; then
```

```
  case "$gccversion" in
    *) ;;
    *) dflt="$dflt --sysroot $sysroot" ;;
  esac
```

```

    esac
fi

: Try to guess additional flags to pick up local libraries.
: Be careful not to append to a plain 'none'
case "$dflt" in
    none) dflt="" ;;
esac
for thisflag in $ldflags; do
    case "$thisflag" in
-L*|-R*|-Wl,-R*)

        case " $dflt " in
            *" $thisflag "*) ;;
            *) dflt="$dflt $thisflag" ;;
        esac
        ;;
    esac
done

case "$dflt" in
    '| ') dflt='none' ;;
esac

case "$ldflags" in
    *-fstack-protector-strong*)
case "$dflt" in
    *-fstack-protector-strong*) ;; # Don't add it again
    *) dflt="$dflt -fstack-protector-strong" ;;
esac
;;
    *-fstack-protector*)
case "$dflt" in
    *-fstack-protector*) ;; # Don't add it again
    *) dflt="$dflt -fstack-protector" ;;
esac
;;
esac

rp="Any special flags to pass to $ld to create a dynamically loaded library?"
. ./myread
case "$ans" in
?X: Use ' ' so that a subsequent Configure run preserves the old state.
    none) lddflags=' ' ;;
    *) lddflags="$ans" ;;
esac

cat <<EOM

```

Some systems may require passing special flags to \$cc to indicate that the resulting executable will use dynamic linking. To use no flags, say "none".

EOM

```
case "$ccdlflags" in
  *) case "$osname" in
      *linux*|hpux|gnu*)
        dflt='-Wl,-E' ;;
      sunos)      dflt='none' ;;
      *)          dflt='none' ;;
    esac ;;
  *) dflt='none' ;;
  *) dflt="$ccdlflags" ;;
esac
```

rp="Any special flags to pass to \$cc to use dynamic linking?"

./myread

```
case "$ans" in
```

?X: Use ' ' so that a subsequent Configure run preserves the old state.

```
  none) ccdlflags=' ' ;;
  *)    ccdlflags="$ans" ;;
```

```
esac
```

```
::
```

?X: End of usedl=y section

```
*) usedl="$undef"
```

```
ld='ld'
```

```
dlsrc='dl_none.xs'
```

```
lddlflags=""
```

```
ccdlflags=""
```

```
::
```

```
esac
```

```
ld_can_script="$undef"
```

```
case "$bin_ELF$usedl" in
```

```
  $define$define)
```

```
# Abuse try.h and a.out names for neat cleanup
```

```
$cat >try.c <<EOM
```

```
void foo() {}
```

```
void bar() {}
```

```
EOM
```

```
$cat >try.h <<EOM
```

```
LIBTEST_42 {
```

```
global:
```

```
foo;
```

```
local: *;
```

```
};
```

```

EOM
if $cc $cccdlflags $ccdflflags $ccflflags \
    $ldflags $lddflflags -o a.out try.c \
    -Wl,--version-script=try.h >/dev/null 2>&1 \
    && $test -s a.out ; then
    echo "ld supports scripting" >&4
    ld_can_script="$define"
else

    echo "ld does not support scripting" >&4
fi
$rm_try
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/dlsrc.U
```

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

```

?RCS: $Id: d_msgrcv.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_msgrcv.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:40 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_msgrcv: Inlibc
?MAKE: -pick add $@ %<
?S:d_msgrcv:
?S: This variable conditionally defines the HAS_MSGRCV symbol, which
?S: indicates to the C program that the msgrcv() routine is available.
?S:.
?C:HAS_MSGRCV:
?C: This symbol, if defined, indicates that the msgrcv() routine is
?C: available to extract a message from the message queue.
?C:.
?H:#$d_msgrcv
HAS_MSGRCV /**/
?H:.
?LINT:set d_msgrcv

```

```
: see if msgrcv exists
set msgrcv d_msgrcv
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_msgrcv.U
```

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?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:longdblmanbits doublemanbits nvmantbits: Inlibc cat Compile run \

rm\_try Setvar echo i\_sunmath usequadmath \

d\_longdbl longdblkind nvsiz e doublesize longdblsize

?MAKE: -pick add \$@ %<

?S:doublemanbits:

?S: This symbol, if defined, tells how many mantissa bits

?S: there are in double precision floating point format.

?S: Note that this is usually DBL\_MANT\_DIG minus one, since

?S: with the standard IEEE 754 formats DBL\_MANT\_DIG includes

?S: the implicit bit which doesn't really exist.

?S:.

?S:longdblmanbits:

?S: This symbol, if defined, tells how many mantissa bits

?S: there are in long double precision floating point format.

?S: Note that this can be LDBL\_MANT\_DIG minus one,

?S: since

LDBL\_MANT\_DIG can include the IEEE 754 implicit bit.

?S: The common x86-style 80-bit long double does not have

?S: an implicit bit.

?S:.

?S:nvmantbits:

?S: This variable tells how many bits the mantissa of a Perl NV has,

?S: not including the possible implicit bit.

?S:.

?C:DOUBLEMANTBITS:

?C: This symbol, if defined, tells how many mantissa bits

?C: there are in double precision floating point format.

?C: Note that this is usually DBL\_MANT\_DIG minus one, since

?C: with the standard IEEE 754 formats DBL\_MANT\_DIG includes

?C: the implicit bit, which doesn't really exist.

?C:.

?C:LONGDBLMANTBITS:



?C: This symbol, if defined, tells how many mantissa bits  
?C: there are in long double precision floating point format.  
?C: Note that this can be LDBL\_MANT\_DIG minus one,  
?C: since LDBL\_MANT\_DIG can include the IEEE 754 implicit bit.  
?C: The common x86-style 80-bit long double does not have  
?C: an implicit bit.  
?C:.  
?C:NVMANTBITS:  
?C: This symbol, if defined, tells how many mantissa bits  
?C: (not  
including implicit bit) there are in a Perl NV.  
?C: This depends on which floating point type was chosen.  
?C:.  
?H:#define DOUBLEMANTBITS \$doublemantbits  
?H:#define LONGDBLMANTBITS \$longdblmanbits  
?H:#define NVMANTBITS \$nvmantbits  
?H:.  
?F:!try  
: Check the length of the double mantissa  
\$echo "Checking how many mantissa bits your doubles have..." >&4  
\$cat >try.c <<EOP  
#i\_sunmath I\_SUNMATH  
#include <float.h>  
#ifdef I\_SUNMATH  
# include <sunmath.h>  
#endif  
#ifdef DBL\_MANT\_DIG  
# define BITS (DBL\_MANT\_DIG - 1) /\* the implicit bit does not count \*/  
#endif  
#include <stdio.h>  
int main(int argc, char \*argv[]) {  
#ifdef BITS  
printf("%d\n", BITS);  
#endif  
return 0;  
}  
EOP  
set try  
if eval \$compile; then  
doublemantbits=`\$run ./try`  
else  
doublemantbits="\$undef"  
fi  
\$rm\_try  
  
: Check the length of the longdouble mantissa  
\$echo "Checking how many mantissa bits your long doubles have..." >&4  
\$cat >try.c <<EOP

```

#$i_sunmath I_SUNMATH
#include <float.h>
#ifdef I_SUNMATH
# include <sunmath.h>
#endif
#$d_longdbl
HAS_LONG_DOUBLE
#if defined(HAS_LONG_DOUBLE) && defined(LDBL_MANT_DIG)
# if ($longdblkind == 3) || ($longdblkind == 4) /* 80-bit extended precision */
/* This format has no implicit bit. Beware, however, that for
* this format the bare LDBL_MANT_DIG is misleading for inf/nan:
* the top three bits are used for inf (100) / qnan (11x) / snan (101),
* and the top bit must have been one since 387, zero is plain invalid.
* For normal fp values, the LDBL_MANT_DIG is fine, though. */
# define BITS LDBL_MANT_DIG
# elif ($longdblkind == 5 || $longdblkind == 6 || $longdblkind == 7 || $longdblkind == 8) /* double double */
/* LDBL_MANT_DIG of 106 (twice 53) would be logical, but for some
* reason e.g. Irix thinks 107. But in any case, we want only
* the number of real bits, the implicit bits are of no interest. */
# define BITS 2 * (DBL_MANT_DIG - 1)
# else
# define BITS (LDBL_MANT_DIG - 1) /* the implicit bit does not count */
# endif
#endif
#include <stdio.h>
int
main(int argc, char *argv[]) {
#ifdef BITS
printf("%d\n", BITS);
#endif
return 0;
}
EOP
set try
if eval $compile; then
longdblmantbits=`$run ./try`
else
longdblmantbits="$undef"
fi
$rm_try

: Check the length of the NV mantissa
$echo "Checking how many mantissa bits your NVs have..." >&4
if test "X$usequadmath" = "X$define"; then
nvmantbits=112 # 128-1-15
else
if test "X$nvsize" = "X$doublesize"; then
nvmantbits="$doublemantbits"

```

```

else
  if test "X$nvsize" = "X$longdblsize"; then
    nvmantbits="$longdblmanbits"
  else
    nvmantbits="$undef"
  fi
fi
fi
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/mantbits.U

```

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```

?RCS: $Id: d_siglist.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_siglist.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:22 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_siglist: Csym Setvar
?MAKE: -pick add $@ %<
?S:d_siglist:
?S: This variable conditionally defines HAS_SYS_SIGLIST if sys_siglist[] is
?S: available to translate signal numbers to strings.
?S:.
?C:HAS_SYS_SIGLIST (SYS_SIGLIST):
?C: This symbol, if defined, indicates that the sys_siglist array is
?C: available to translate signal numbers
?C: to strings.
?C:.
?H:#$d_siglist HAS_SYS_SIGLIST /**/
?H:.
?LINT:set d_siglist
: see if sys_siglist[] exist
echo " "
if set sys_siglist val -a d_siglist; eval $csym; $val; then
  echo "You have sys_siglist[] for signal description." >&4
  val="$define"
else

```

```
echo "You don't have sys_siglist[]." >&4
val="$undef"
fi
set d_siglist
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_siglist.U
```

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?RCS: \$Id: d\_longdbl.U,v \$

?RCS:

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?RCS:

?RCS: \$Log: d\_longdbl.U,v \$

?RCS:

```
?MAKE:d_longdbl longdblsize d_ldexpl longdblkind \
d_long_double_style_ieee d_long_double_style_ieee_doubledouble \
d_long_double_style_ieee_extended d_long_double_style_ieee_std \
d_long_double_style_vax: Compile Setvar Myread \
Inlibc run echo cat rm_try test doublesize i_stdlib
```

?MAKE: -pick add \$@ %<

?S:d\_longdbl:

?S: This variable conditionally defines HAS\_LONG\_DOUBLE if

?S: the long double type is supported.

?S:.

?S:d\_ldexpl:

?S: This variable conditionally defines the HAS\_LDEXPL symbol, which

?S: indicates to the C program that the ldexpl() routine is available.

?S:.

?S:longdblsize:

?S: This variable contains the value of the LONG\_DOUBLESIZE symbol,  
which

?S: indicates to the C program how many bytes there are in a long double,

?S: if this system supports long doubles. Note that this is

?S: sizeof(long double), which may include unused bytes.

?S:.

?S:longdblkind:

?S: This variable, if defined, encodes the type of a long double:

?S: 0 = double,

?S: 1 = IEEE 754 128-bit little endian,

?S: 2 = IEEE 754 128-bit big endian,

?S: 3 = x86 80-bit little endian,

?S: 4 = x86 80-bit big endian,

?S: 5 = double-double 128-bit little endian,  
 ?S: 6 = double-double 128-bit big endian,  
 ?S: 7 = 128-bit mixed-endian double-double (64-bit LEs in BE),  
 ?S: 8 = 128-bit mixed-endian double-double (64-bit BEs in LE),  
 ?S: 9 = 128-bit PDP-style mixed-endian long doubles,  
 ?S: -1 = unknown format.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE  
 ?S: if the long double is any of the IEEE 754 style long doubles:  
 ?S: LONG\_DOUBLE\_STYLE\_IEEE\_STD, LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED,  
 ?S: LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee\_doubledouble:  
 ?S: This  
 variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE  
 ?S: if the long double is the 128-bit IEEE 754 double-double.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee\_extended:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED  
 ?S: if the long double is the 80-bit IEEE 754 extended precision.  
 ?S: Note that despite the 'extended' this is less than the 'std',  
 ?S: since this is an extension of the double precision.  
 ?S:.  
 ?S:d\_long\_double\_style\_ieee\_std:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_IEEE\_STD  
 ?S: if the long double is the 128-bit IEEE 754.  
 ?S:.  
 ?S:d\_long\_double\_style\_vax:  
 ?S: This variable conditionally defines LONG\_DOUBLE\_STYLE\_VAX  
 ?S: if the long double is the 128-bit VAX format H.  
 ?S:.  
 ?C:HAS\_LONG\_DOUBLE:  
 ?C: This symbol will be defined if the C compiler supports long  
 ?C: doubles.  
 ?C:.  
 ?C:LONG\_DOUBLESIZE:  
 ?C: This symbol contains the size of a long double, so that the  
 ?C: C  
 preprocessor can make decisions based on it. It is only  
 ?C: defined if the system supports long doubles. Note that this  
 ?C: is sizeof(long double), which may include unused bytes.  
 ?C:.  
 ?C:HAS\_LDEXPL:  
 ?C: This symbol, if defined, indicates that the ldexpl routine is  
 ?C: available to shift a long double floating-point number  
 ?C: by an integral power of 2.  
 ?C:.

?C:LONG\_DOUBLEKIND:  
?C: LONG\_DOUBLEKIND will be one of  
?C: LONG\_DOUBLE\_IS\_DOUBLE  
?C: LONG\_DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_IEEE\_754\_128\_BIT\_BIG\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_X86\_80\_BIT\_LITTLE\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_X86\_80\_BIT\_BIG\_ENDIAN  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_LE\_LE  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_BE\_BE  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_LE\_BE  
?C: LONG\_DOUBLE\_IS\_DOUBLEDDOUBLE\_128\_BIT\_BE\_LE  
?C: LONG\_DOUBLE\_IS\_VAX\_H\_FLOAT  
?C: LONG\_DOUBLE\_IS\_UNKNOWN\_FORMAT  
?C: It is only defined if the system supports long doubles.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE:  
?C: This symbol, if defined, indicates  
that the long double  
?C: is any of the IEEE 754 style long doubles:  
?C: LONG\_DOUBLE\_STYLE\_IEEE\_STD, LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED,  
?C: LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE\_DOUBLEDDOUBLE:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 128-bit double-double.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE\_EXTENDED:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 80-bit IEEE 754. Note that despite the 'extended' this  
?C: is less than the 'std', since this is an extension of  
?C: the double precision.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_IEEE\_STD:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 128-bit IEEE 754.  
?C:.  
?C:LONG\_DOUBLE\_STYLE\_VAX:  
?C: This symbol, if defined, indicates that the long double is  
?C: the 128-bit VAX format H.  
?C:.  
?H:#\$d\_ldexpl HAS\_LDEXPL /\*\*/  
?H:#\$d\_longdbl HAS\_LONG\_DOUBLE /\*\*/  
?H:?LONG\_DOUBLESIZE:#ifdef HAS\_LONG\_DOUBLE  
?H:?LONG\_DOUBLESIZE:#define LONG\_DOUBLESIZE \$longdblsize /\*\*/  
?H:?LONG\_DOUBLESIZE:#define  
LONG\_DOUBLEKIND \$longdblkind /\*\*/  
?H:?LONG\_DOUBLESIZE:#define LONG\_DOUBLE\_IS\_DOUBLE 0  
?H:?LONG\_DOUBLESIZE:#define LONG\_DOUBLE\_IS\_IEEE\_754\_128\_BIT\_LITTLE\_ENDIAN 1

```

?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_IEEE_754_128_BIT_BIG_ENDIAN 2
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_X86_80_BIT_LITTLE_ENDIAN 3
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_X86_80_BIT_BIG_ENDIAN 4
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_LE 5
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_BE 6
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_BE 7
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_LE 8
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_VAX_H_FLOAT 9
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_UNKNOWN_FORMAT -1
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LITTLE_ENDIAN
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_LE /* back-compat */
?H:?LONG_DOUBLESIZE:#define LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_BE
/* back-compat */
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee LONG_DOUBLE_STYLE_IEEE
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee_doubledouble
LONG_DOUBLE_STYLE_IEEE_DOUBLEDDOUBLE
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee_extended
LONG_DOUBLE_STYLE_IEEE_EXTENDED
?H:?LONG_DOUBLESIZE:#$d_long_double_style_ieee_std LONG_DOUBLE_STYLE_IEEE_STD
?H:?LONG_DOUBLESIZE:#$d_long_double_style_vax LONG_DOUBLE_STYLE_VAX
?H:?LONG_DOUBLESIZE:#endif
?H:
?F:!try
?LINT:known LONG_DOUBLE_IS_DOUBLE LONG_DOUBLE_IS_IEEE_754_128_BIT_LITTLE_ENDIAN
?LINT:known LONG_DOUBLE_IS_IEEE_754_128_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_X86_80_BIT_LITTLE_ENDIAN
?LINT:known LONG_DOUBLE_IS_X86_80_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LITTLE_ENDIAN
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BIG_ENDIAN
LONG_DOUBLE_IS_UNKNOWN_FORMAT
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_LE
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_BE
?LINT:known
LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_LE_BE
?LINT:known LONG_DOUBLE_IS_DOUBLEDDOUBLE_128_BIT_BE_LE
?LINT:known LONG_DOUBLE_IS_VAX_H_FLOAT
?LINT:set d_longdbl
?LINT:set d_ldexpl
: check for long doubles
echo " "
echo "Checking to see if you have long double..." >&4
echo 'int main() { long double x = 7.0; }' > try.c
set try
if eval $compile; then
val="$define"
echo "You have long double."
else

```

```

val="$undef"
echo "You do not have long double."
fi
$rm_try
set d_longdbl
eval $setvar

: see if ldexpl exists
set ldexpl d_ldexpl
eval $inlibc

@if LONG_DOUBLESIZE || longdblsize
: check for length of long double
?X: Check only if d_longdbl and if longdblsize is not already set.
case "${d_longdbl}${longdblsize}" in
$define)
echo " "
echo "Checking to see how big your long doubles are..." >&4
$cat >try.c <<'EOCP'
#include <stdio.h>
int main()
{
printf("%d\n", sizeof(long double));
}
EOCP
set try
?X: Don't use compile_ok because some compilers warn you that they have
?X: 'long double'
as just 'double'.
set try
if eval $compile; then
longdblsize=`$run ./try`
echo "Your long doubles are $longdblsize bytes long."
else
dflt='8'
echo " "
echo "(I can't seem to compile the test program. Guessing...)" >&4
rp="What is the size of a long double (in bytes)?"
./myread
longdblsize="$ans"
fi
if $test "X$doublesize" = "X$longdblsize"; then
echo "That isn't any different from an ordinary double."
echo "I'll keep your setting anyway, but you may see some"
echo "harmless compilation warnings."
fi
;;
esac

```



\$rm\_try

@end

\$echo "Checking the kind of long doubles you have..." >&4

case "\$d\_longdbl" in

define)

\$cat <<EOP >try.c

#\$i\_stdlib I\_STDLIB

#define LONGDBLSIZE \$longdblsize

#define DOUBLESIZE \$doublesize

#include <float.h>

#ifdef I\_STDLIB

#include <stdlib.h>

#endif

#include <stdio.h>

static const long double d = -0.1L;

int main() {

  unsigned const char\* b = (unsigned const char\*)&d;

  #if DOUBLESIZE == LONGDBLSIZE

    printf("0\n"); /\* if it floats

    like double \*/

    exit(0);

  #endif

  #if (LDBL\_MANT\_DIG == 113 || FLT128\_MANT\_DIG == 113) && LONGDBLSIZE == 16

  if (b[0] == 0x9A && b[1] == 0x99 && b[15] == 0xBF) {

    /\* IEEE 754 128-bit little-endian \*/

    printf("1\n");

    exit(0);

  }

  if (b[0] == 0xBF && b[14] == 0x99 && b[15] == 0x9A) {

    /\* IEEE 128-bit big-endian, e.g. solaris sparc \*/

    printf("2\n");

    exit(0);

  }

  #endif

  /\* For alignment 32-bit platforms have the 80 bits in 12 bytes,

  \* while 64-bit platforms have it in 16 bytes. The trailing bytes

  \* cannot be trusted. \*/

  #if LDBL\_MANT\_DIG == 64 && (LONGDBLSIZE == 16 || LONGDBLSIZE == 12)

  if (b[0] == 0xCD && b[9] == 0xBF) {

    /\* x86 80-bit little-endian, sizeof 12 (ILP32, Solaris x86)

    \* or 16 (LP64, Linux and OS X), 4 or 6 bytes of padding.

    \* Also known as "extended precision". \*/

    printf("3\n");

    exit(0);

  }

  if (b[0] == 0xBF && b[9] == 0xCD) {

    /\* Is there ever big-endian 80-bit, really?

```

*
* The Motorola 68881 had another "extended
precision" format:
* sign:1 exp:15 zero:16 integer:1 mantissa:63
* for total of 96 bits of bytes. The zero bits were unused.
* See "M68000 FAMILY PROGRAMMER'S REFERENCE MANUAL" for more details.
* If it ever becomes relevant, this format should be allocated
* a new doublekind code since it's quite different from the Intel x87.
*/
printf("4\n");
exit(0);
}
#endif
#if (LDBL_MANT_DIG == 106 || LDBL_MANT_DIG == 107) && LONGDBLSIZE == 16
/* software "double double", the 106 is 53+53.
* but irix thinks it is 107. */
if (b[0] == 0x9A && b[7] == 0x3C && b[8] == 0x9A && b[15] == 0xBF) {
/* double double 128-bit fully little-endian,
* little-endian doubles in little-endian order,
* 9a 99 99 99 99 99 59 3c 9a 99 99 99 99 99 b9 bf */
printf("5\n");
exit(0);
}
if (b[0] == 0xBF && b[7] == 0x9A && b[8] == 0x3C && b[15] == 0x9A) {
/* double double 128-bit fully big-endian,
* big-endian doubles in big-endian order,
* e.g. PPC/Power and MIPS:
* bf b9 99 99 99 99 9a 3c 59 99 99 99 99 99 9a */
printf("6\n");
exit(0);
}
if (b[0] == 0x9A && b[7] == 0xBF && b[8] == 0x9A && b[15] == 0x3C) {
/* double double 128-bit mixed endian.
* little-endian doubles in big-endian order,
* e.g. ppc64el,
* 9a 99 99 99 99 99 b9 bf 9a 99 99 99 99 99 59 3c */
printf("7\n");
exit(0);
}
if (b[0] == 0x3C && b[7] == 0x9A && b[8] == 0xBF && b[15] == 0x9A) {
/* double double 128-bit mixed endian,
* big-endian doubles in little-endian order,
* 3c 59 99 99 99 99 9a bf b9 99 99 99 99 99 9a */
printf("8\n");
exit(0);
}
}
#endif
/* We are largely making this up because it may well be

```

```

* that the VAX format H was never made available to C,
* only to Fortran. */
#if LONGDBLSIZE == 16 && defined(__vax__)
if (b[0] == 0xFD && b[15] == 0x99) {
    /* VAX format H, PDP-11 mixed endian. */
    printf("9\n");
    exit(0);
}
#endif
printf("-1\n"); /* unknown
*/
exit(0);
}
EOP
set try
if eval $compile; then
    longdblkind=`$run ./try`
else
    longdblkind=-1
fi
;;
*) longdblkind=0 ;;
esac
case "$longdblkind" in
0) echo "Your long doubles are doubles." >&4 ;;
1) echo "You have IEEE 754 128-bit little endian long doubles." >&4 ;;
2) echo "You have IEEE 754 128-bit big endian long doubles." >&4 ;;
3) echo "You have x86 80-bit little endian long doubles." >& 4 ;;
4) echo "You have x86 80-bit big endian long doubles." >& 4 ;;
5) echo "You have 128-bit fully little-endian double-double long doubles (64-bit LEs in LE)." >& 4 ;;
6) echo "You have 128-bit fully big-endian double-double long doubles (64-bit BEs in BE)." >& 4 ;;
7) echo "You have 128-bit mixed-endian double-double long doubles (64-bit LEs in BE)." >& 4 ;;
8) echo "You have 128-bit mixed-endian double-double long doubles (64-bit BEs in LE)." >& 4 ;;
9) echo "You have 128-bit PDP-style mixed-endian long doubles (VAX format H)." >& 4 ;;
*) echo "Cannot figure out your long double."
>&4 ;;
esac
d_long_double_style_ieee=$undef
d_long_double_style_ieee_std=$undef
d_long_double_style_ieee_extended=$undef
d_long_double_style_ieee_doubledouble=$undef
d_long_double_style_vax=$undef
case "$longdblkind" in
1|2|3|4|5|6|7|8) d_long_double_style_ieee=$define ;;
esac
case "$longdblkind" in
1|2) d_long_double_style_ieee_std=$define ;;
esac

```

```

case "$longdblkind" in
3|4) d_long_double_style_ieee_extended=$define ;;
esac
case "$longdblkind" in
5|6|7|8) d_long_double_style_ieee_doubledouble=$define ;;
esac
case "$longdblkind" in
9) d_long_double_style_vax=$define ;;
esac
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_longdbl.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2005, H.Merijn Brand

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_malloc\_size d\_malloc\_good\_size: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_malloc\_size:

?S: This symbol, if defined, indicates that the malloc\_size

?S: routine is available for use.

?S:.

?S:d\_malloc\_good\_size:

?S: This symbol, if defined, indicates that the malloc\_good\_size

?S: routine is available for use.

?S:.

?C:HAS\_MALLOC\_SIZE:

?C: This symbol, if defined, indicates that the malloc\_size

?C: routine is available for use.

?C:.

?H:#\$d\_malloc\_size HAS\_MALLOC\_SIZE /\*\*/

?H:.

?C:HAS\_MALLOC\_GOOD\_SIZE:

?C: This symbol, if defined,

indicates that the malloc\_good\_size

?C: routine is available for use.

?C:.

?H:#\$d\_malloc\_good\_size HAS\_MALLOC\_GOOD\_SIZE /\*\*/

```
?H:
?LINT:set d_malloc_size
?LINT:set d_malloc_good_size
: see if malloc_size exists
set malloc_size d_malloc_size
eval $inlibc

: see if malloc_size_good exists
set malloc_good_size d_malloc_good_size
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_malloc_size.U
```

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

```
?RCS: $Id: Mkdirp.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Extract.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 14:58:52 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:51:46 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:52 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit produces a shell script which can launched to create a
?X: directory path like "mkdir -p" would do.
?X:
?MAKE:Mkdirp:
eunicefix startsh
?MAKE: -pick add $@ %<
?F:./mkdirp
?T:name create file
: script used to emulate mkdir -p
cat >mkdirp <<EOS
$startsh
```

```

EOS
cat >>mkdirp <<'EOS'
name=$1;
create="";
while test $name; do
if test ! -d "$name"; then
create="$name $create"
name=`echo $name | sed -e "s|^[^/]*$||"``
name=`echo $name | sed -e "s|(.*)/.*|1|"``
else
name=""
fi
done
for file in $create; do
mkdir $file
done
EOS
chmod +x mkdirp
$unicefix mkdirp

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Mkdirp.U
```

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

?RCS: \$Id: Extensions.U,v\$

?RCS:

?RCS: Copyright (c) 1996-1998, Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: Extensions.U,v \$

?RCS:

?MAKE:known\_extensions extensions dynamic\_ext static\_ext nonxs\_ext \

useposix useopcode uselanginfo : \

Myread hint usedl d\_sem d\_socket i\_db i\_dbm i\_rpcsvdbm i\_gdbm \

d\_ndbm usethreads use5005threads package test cat rsrc \

d\_msg d\_shm osname use64bitint \

libs d\_cplusplus sed ls rm contains trnl sort

?MAKE: -pick add \$@ %<

?Y:BOTTOM

?S:known\_extensions:

?S: This variable holds a list of all extensions (both XS and non-xs)

?S: included in the package source distribution. This information is

?S: only really of use during the Perl build, as the list makes no

?S: distinction between extensions which were build and installed, and

?S: those which

where not. See "extensions" for the list of extensions

?S: actually built and available.

?S:.

?S:dynamic\_ext:

?S: This variable holds a list of XS extension files we want to

?S: link dynamically into the package. It is used by Makefile.

?S:.

?S:static\_ext:

?S: This variable holds a list of XS extension files we want to

?S: link statically into the package. It is used by Makefile.

?S:.

?S:nonxs\_ext:

?S: This variable holds a list of all non-xs extensions built and

?S: installed by the package. By default, all non-xs extensions

?S: distributed will be built, with the exception of platform-specific

?S: extensions (currently only one VMS specific extension).

?S:.

?S:extensions:

?S: This variable holds a list of all extension files (both XS and

?S: non-xs) installed with the package. It is propagated to Config.pm

?S: and is typically used to test whether a particular extension

?S: is available.

?S:.

?S:useposix:

?S: This variable holds either 'true' or 'false' to indicate

?S: whether the

POSIX extension should be used. The sole

?S: use for this currently is to allow an easy mechanism

?S: for hints files to indicate that POSIX will not compile

?S: on a particular system.

?S:.

?S:useopcode:

?S: This variable holds either 'true' or 'false' to indicate

?S: whether the Opcode extension should be used. The sole

?S: use for this currently is to allow an easy mechanism

?S: for users to skip the Opcode extension from the Configure

?S: command line.

?S:.

?S:uselanginfo:

?S: This variable holds either 'true' or 'false' to indicate

?S: whether the I18N::Langinfo extension should be used. The sole

?S: use for this currently is to allow an easy mechanism for users to skip

?S: this extension from the Configure command line.

?S:.

?T:xxx avail\_ext this\_ext tdir xs\_extensions nonxs\_extensions find\_extensions

?INIT:: set useposix=false in your hint file to disable the POSIX extension.

?INIT:useposix=true

?INIT:: set useopcode=false in your hint file to disable the Opcode extension.

```

?INIT:useopcode=true
?INIT::
    set uselanginfo=false in your hint file to disable the I18N::Langinfo extension.
?INIT:uselanginfo=true
?LINT:extern noextensions
?LINT:extern onlyextensions
?T:keepextensions i
: Check extensions
echo " "
echo "Looking for extensions..." >&4
: If we are using the old config.sh, nonxs_extensions and xs_extensions may
: contain old or inaccurate or duplicate values.
nonxs_extensions=""
xs_extensions=""
: We do not use find because it might not be available.
: We do not just use MANIFEST because the user may have dropped
: some additional extensions into the source tree and expect them
: to be built.

: Function to recursively find available extensions, ignoring DynaLoader
: NOTE: recursion limit of 10 to prevent runaway in case of symlink madness
: In 5.10.1 and later, extensions are stored in directories
: like File-Glob instead of the older File/Glob/.
find_extensions='
    for xxx in *; do
    case "$xxx" in
        DynaLoader|dynaload) ;;
        *)
            this_ext=`echo
"$xxx" | $sed -e s/-/\\/g`;
            case "$this_ext" in
                Scalar/List/Utils) this_ext="List/Util" ;;
                PathTools)    this_ext="Cwd" ;;
                esac;
            echo " $xs_extensions $nonxs_extensions" > "$tdir/$.tmp";
            if $contains " $this_ext " "$tdir/$.tmp"; then
echo >&4;
echo "Duplicate directories detected for extension $xxx" >&4;
echo "Configure cannot correctly recover from this - shall I abort?" >&4;
case "$knowitall" in
    "") dflt=y;;
    *) dflt=n;;
    esac;
    ../UU/myread;
    case "$ans" in
        n*|N*) ;;
        *) echo >&4;
            echo "Ok. Stopping Configure." >&4;

```



```

    echo "Please remove the duplicate directory (e.g. using git clean) and then re-run Configure" >&4;
    exit 1;;
esac;
echo "Ok. You will need to correct config.sh before running make." >&4;
fi;
$ls -l "$xxx" > "$tdir/$$.tmp";
if $contains "\.xs$" "$tdir/$$.tmp" > /dev/null 2>&1; then
xs_extensions="$xs_extensions $this_ext";
elif $contains "\.c$" "$tdir/$$.tmp" > /dev/null
2>&1; then
xs_extensions="$xs_extensions $this_ext";
elif $test -d "$xxx"; then
nonxs_extensions="$nonxs_extensions $this_ext";
fi;
$rm -f "$tdir/$$.tmp";
;;
esac;
done'
tdir=`pwd`
cd "$rsrc/cpan"
set X
shift
eval $find_extensions
cd "$rsrc/dist"
set X
shift
eval $find_extensions
cd "$rsrc/ext"
set X
shift
eval $find_extensions
set X $xs_extensions
shift
xs_extensions=`echo "$*" | tr ' ' $trnl | $sort | tr $trnl ' '`
set X $nonxs_extensions
shift
nonxs_extensions=`echo "$*" | tr ' ' $trnl | $sort | tr $trnl ' '`
cd "$tdir"
known_extensions=`echo $nonxs_extensions $xs_extensions | tr ' ' $trnl | $sort | tr $trnl ' '`

: Now see which are supported on this system.
?X: avail_ext lists available XS extensions.
avail_ext="
for xxx in $xs_extensions ; do
case "$xxx" in
?X: Handle possible DOS 8.3 filename and case alterations
Amiga*)
case "$osname" in

```

```

amigaos) avail_ext="$savail_ext $xxx" ;;
esac
;;
DB_File|db_file)
case "$i_db" in
$define)
avail_ext="$savail_ext $xxx" ;;
esac
;;
GDBM_File|gdbm_fil)
case "$i_gdbm" in
$define) avail_ext="$savail_ext $xxx" ;;
esac
;;
IPC/SysV|ipc/sysv)
: XXX Do we need a useipcsysv variable here
case "${d_msg}${d_sem}${d_shm}" in
*"${define}") avail_ext="$savail_ext $xxx" ;;
esac
;;
NDBM_File|ndbm_fil)
case "$d_ndbm" in
$define)
    case "$osname-$use64bitint" in
    hpux-define)
    case "$libs" in
    *-lndbm*) avail_ext="$savail_ext $xxx" ;;
    esac
    ;;
    *) avail_ext="$savail_ext $xxx" ;;
    esac
    ;;
esac
;;
ODBM_File|odbm_fil)
case "${i_dbm}${i_rpcsvcdbm}" in
*"${define}")
    case "$d_cplusplus" in
    define) ;; # delete as a function name will not work
    *) case "$osname-$use64bitint" in
    hpux-define)
    case "$libs" in
    *-ldb*) avail_ext="$savail_ext $xxx" ;;
    esac
    ;;
    *) avail_ext="$savail_ext $xxx" ;;
    esac
    ;;

```

```

    esac
    ;;
esac
;;
Opcode|opcode)
case "$useopcode" in
true|define|y)
avail_ext="$avail_ext $xxx" ;;
esac
;;
POSIX|posix)
case "$useposix" in
true|define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
Socket|socket)
case "$d_socket" in
true|$define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
I18N/Langinfo|langinfo)
case "$uselanginfo" in
true|define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
Sys/Syslog|sys/syslog)
case $osname in
amigaos) ;; # not really very useful on AmigaOS
*)
: XXX syslog requires socket
case "$d_socket" in
true|$define|y) avail_ext="$avail_ext $xxx" ;;
esac
;;
esac
;;
Thread|thread)
    case "$sethreads" in
    true|$define|y)
        case "$use5005threads" in
        $define|true|[yY]*) avail_ext="$avail_ext $xxx" ;;
        esac
    esac
esac
;;
threads|threads/shared)
# threads and threads::shared are special cases.
# To stop people from asking "Perl 5.8.0 was supposed
# to have this new fancy threads

```

```

implementation but my
# perl doesn't have it" and from people trying to
# (re)install the threads module using CPAN.pm and
# CPAN.pm then offering to reinstall Perl 5.8.0,
# the threads.pm and threads/shared.pm will always be
# there, croaking informatively ("you need to rebuild
# all of Perl with threads, sorry") when threads haven't
# been compiled in.
# --jhi
avail_ext="$avail_ext $xxx"
;;
VMS*)
;;
Win32*)
case "$osname" in
cygwin) avail_ext="$avail_ext $xxx" ;;
esac
;;
XS/APItest|xs/apitest)
# This is just for testing. Skip it unless we have dynamic loading.

case "$usedl" in
$define) avail_ext="$avail_ext $xxx" ;;
esac
;;
XS/Typemap|xs/typemap)
# This is just for testing. Skip it unless we have dynamic loading.
case "$usedl" in
$define) avail_ext="$avail_ext $xxx" ;;
esac
;;
*) avail_ext="$avail_ext $xxx"
;;
esac
done

set X $avail_ext
shift
avail_ext="$*"

case "$onlyextensions" in
") ;;
*) keepextensions="
echo
"You have requested that only certain extensions be included..." >&4
for i in $onlyextensions; do
case " $avail_ext " in
*" $i "*)

```

```

        echo "Keeping extension $i."
        keepextensions="$keepextensions $i"
        ;;
    *) echo "Ignoring extension $i." ;;
esac
done
avail_ext="$keepextensions"
;;
esac

case "$noextensions" in
) ;;
*) keepextensions="
    echo "You have requested that certain extensions be ignored..." >&4
    for i in $avail_ext; do
        case " $noextensions " in
        *$i *) echo "Ignoring extension $i." ;;
        *) echo "Keeping extension $i.";
            keepextensions="$keepextensions $i"
            ;;
        esac
    done
    avail_ext="$keepextensions"
    ;;
esac

```

: Now see which nonxs extensions are supported on this system.

: For now assume all are.

```

nonxs_ext="
for xxx in $nonxs_extensions ; do
case "$xxx" in
VMS*)
;;
*) nonxs_ext="$nonxs_ext $xxx"
;;
esac
done

```

```

set X $nonxs_ext
shift
nonxs_ext="$*"

```

```

case
$usedl in
$define)
$cat <<EOM

```

A number of extensions are supplied with \$package. You may choose to compile these extensions for dynamic loading (the default), compile

them into the \$package executable (static loading), or not include them at all. Answer "none" to include no extensions.  
Note that DynaLoader is always built and need not be mentioned here.

EOM

```
case "$dynamic_ext" in
")
: Exclude those listed in static_ext
dflt="
for xxx in $avail_ext; do
case " $static_ext " in
*" $xxx *) ;;
*) dflt="$dflt $xxx" ;;
esac
done
set X $dflt
shift
dflt="$*"
;;
*) dflt="$dynamic_ext"
# Perhaps we are reusing an old out-of-date config.sh.
case "$hint" in
previous)
if test X"$dynamic_ext" != X"$avail_ext"; then
$cat <<EOM
```

NOTICE: Your previous config.sh list may be incorrect.

The extensions now available to you are

```
${avail_ext}
```

but the default list from your previous config.sh is

```
${dynamic_ext}
```

EOM

```
fi
;;
esac
;;
esac
case
"$dflt" in
") dflt=none;;
esac
rp="What extensions do you wish to load dynamically?"
./myread
case "$ans" in
?X: Use ' ' so a subsequent Configure will preserve that value.
none) dynamic_ext=' ' ;;
*) dynamic_ext="$ans" ;;
esac
```

```

case "$static_ext" in
")
: Exclude those already listed in dynamic linking
dflt="
for xxx in $avail_ext; do
case " $dynamic_ext " in
*" $xxx *) ;;
*) dflt="$dflt $xxx" ;;
esac
done
set X $dflt
shift
dflt="$*"
;;
*) dflt="$static_ext"
;;
esac

case "$dflt" in
") dflt=none;;
esac
rp="What extensions do you wish to load statically?"
. ./myread
case "$ans" in
?X: Use ' ' so a subsequent Configure will preserve that value.
none) static_ext=' ' ;;
*) static_ext="$ans" ;;
esac
;;
*)
$cat <<EOM
A number of extensions are supplied with $package. Answer "none"
to include no extensions.
Note that DynaLoader is always built and need not be mentioned here.

```

EOM

```

case "$static_ext" in
")
dflt="$avail_ext" ;;
*) dflt="$static_ext"
# Perhaps we are reusing an old out-of-date config.sh.
case "$hint" in
previous)
if test X"$static_ext" != X"$avail_ext"; then
$cat <<EOM

```

NOTICE: Your previous config.sh list may be incorrect.

The extensions now available to you are

```

${avail_ext}
but the default list from your previous config.sh is
${static_ext}

EOM
fi
;;
esac
;;
esac
: Exclude those that are not xs extensions
case "$dflt" in
") dflt=none;;
esac
rp="What extensions do you wish to include?"
. ./myread
case "$ans" in
?X: Use ' ' so a subsequent Configure will preserve that value.
none) static_ext=' ' ;;
*) static_ext="$ans" ;;
esac
;;
esac
#
# Encode is a special case. If we are building Encode as a static
# extension, we need to explicitly list its subextensions as well.
# For other nested extensions, this is handled automatically by
# the appropriate Makefile.PL.
case " $static_ext " in
*" Encode "*) # Add the subextensions of Encode
cd
"$src/cpan"
for xxx in `ls Encode/*/Makefile.PL|awk -F/ '{print $2}'`; do
static_ext="$static_ext Encode/$xxx"
known_extensions="$known_extensions Encode/$xxx"
done
cd "$dir"
;;
esac

set X $dynamic_ext $static_ext $nonxs_ext
shift
extensions="$*"

# Sanity check: We require an extension suitable for use with
# AnyDBM_File, as well as Fcntl and IO. (Failure to have these
# should show up as failures in the test suite, but it's helpful to
# catch them now.) The 'extensions' list is normally sorted

```



```

# alphabetically, so we need to accept either
# DB_File ... Fcntl ... IO ....
# or something like
# Fcntl ... NDBM_File ... IO ....
case "$extensions" in
*_File "*" Fcntl "*" IO *) ;; # DB_File
*_File "*" Fcntl "*" IO *) ;; # GDBM_File
*_File "*" Fcntl "*" IO "*" *) ;; # NDBM_File
*) echo "WARNING: Extensions DB_File or *DBM_File, Fcntl, and IO not configured." >&4
  echo "WARNING: The Perl you are building will be quite crippled." >& 4
  ;;
esac

```

Found in path(s):

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Extensions.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: archlib.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:23:38 ram

?RCS: patch61: skip existence checks for archlib

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:15:18 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/02/15 14:14:14 ram

?RCS: patch51: architecture name is now computed by a separate unit

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:32:22 ram

?RCS:

patch49: archname is now systematically recomputed

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:36 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_archlib archlib archlibexp installarchlib: archname afs spackage \  
 cat Getfile Loc Oldconfig prefixexp privlib test Prefixit Prefixup

?MAKE: -pick add \$@ %<

?Y:TOP

?S:d\_archlib:

?S: This variable conditionally defines ARCHLIB to hold the pathname  
 ?S: of architecture-dependent library files for \$package. If  
 ?S: \$archlib is the same as \$privlib, then this is set to undef.

?S:.

?S:archlib:

?S: This variable holds the name of the directory in which the user wants  
 ?S: to put architecture-dependent public library files for \$package.  
 ?S: It is most often a local directory such as /usr/local/lib.  
 ?S: Programs using this variable must be prepared to deal  
 ?S: with filename expansion.

?S:.

?S:archlibexp:

?S: This variable is the same as the archlib variable, but is  
 ?S: filename  
 ?S: expanded at configuration time, for convenient use.

?S:.

?S:installarchlib:

?S: This variable is really the same as archlibexp but may differ on  
 ?S: those systems using AFS. For extra portability, only this variable  
 ?S: should be used in makefiles.

?S:.

?C:ARCHLIB:

?C: This variable, if defined, holds the name of the directory in  
 ?C: which the user wants to put architecture-dependent public  
 ?C: library files for \$package. It is most often a local directory  
 ?C: such as /usr/local/lib. Programs using this variable must be  
 ?C: prepared to deal with filename expansion. If ARCHLIB is the  
 ?C: same as PRIVLIB, it is not defined, since presumably the  
 ?C: program already searches PRIVLIB.

?C:.

?C:ARCHLIB\_EXP:

?C: This symbol contains the ~name expanded version of ARCHLIB, to be used  
 ?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_archlib ARCHLIB "\$archlib" /\*\*/  
 ?H:#\$d\_archlib ARCHLIB\_EXP "\$archlibexp" /\*\*/  
 ?H:.

: determine where public architecture  
 dependent libraries go  
 set archlib archlib  
 eval \$prefixit  
 case "\$archlib" in

```

")
case "$privlib" in
")
dflt=`./loc . ." $prefixexp/lib /usr/local/lib /usr/lib /lib`
set dflt
eval $prefixup
;;
*) dflt="$privlib/$archname";;
esac
;;
*) dflt="$archlib";;
esac
cat <<EOM

```

\$spackage contains architecture-dependent library files. If you are sharing libraries in a heterogeneous environment, you might store these files in a separate location. Otherwise, you can just include them with the rest of the public library files.

```

EOM
fn=d+~
rp='Where do you want to put the public architecture-dependent libraries?'
./getfile
archlib="$ans"
archlibexp="$ansexp"

if $afs; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installarchlib" in
") dflt=`echo $archlibexp | sed 's#^/afs/#/afs/.#`";;
*)
dflt="$installarchlib";;
esac
fn=de~
rp='Where will architecture-dependent library files be installed?'
./getfile
installarchlib="$ans"
else
installarchlib="$archlibexp"
fi
if $test X"$archlib" = X"$privlib"; then
d_archlib="$undef"

```

```
else
d_archlib="$define"
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/archlib.U
```

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

```
?RCS: $Id: d_getgrent_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_getgrent_r getgrent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_grp extern_C
?MAKE: -pick add $@ %<
?S:d_getgrent_r:
?S: This variable conditionally defines the HAS_GETGRENTR symbol,
?S: which indicates to the C program that the getgrent_r()
?S: routine is available.
?S:
?S:getgrent_r_proto:
?S: This variable encodes the prototype of getgrent_r.
?S: It is zero if d_getgrent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getgrent_r
?S: is defined.
?S:
?C:HAS_GETGRENTR:
?C: This symbol, if defined, indicates that the getgrent_r routine
?C: is available to
  getgrent re-entrantly.
?C:
?C:GETGRENTR_PROTO:
?C: This symbol encodes the prototype of getgrent_r.
?C: It is zero if d_getgrent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getgrent_r
?C: is defined.
?C:
?H:#$d_getgrent_r HAS_GETGRENTR /**/
?H:#define GETGRENTR_PROTO $getgrent_r_proto /**/
?H:
?T:try hdrs d_getgrent_r_proto
: see if getgrent_r exists
set getgrent_r d_getgrent_r
```

```

eval $inlibc
case "$d_getgrent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_grp grp.h"
case "$d_getgrent_r_proto:$usetthreads" in
":define") d_getgrent_r_proto=define
set d_getgrent_r_proto getgrent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getgrent_r_proto" in
define)
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, size_t, struct group**);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=I_SBWR ;;
esac
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, int, struct group**);'
./protochk
"$extern_C $try" $hdrs && getgrent_r_proto=I_SBIR ;;
esac
case "$getgrent_r_proto" in
"|0) try='struct group* getgrent_r(struct group*, char*, size_t);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=S_SBW ;;
esac
case "$getgrent_r_proto" in
"|0) try='struct group* getgrent_r(struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=S_SBI ;;
esac
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, int);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=I_SBI ;;
esac
case "$getgrent_r_proto" in
"|0) try='int getgrent_r(struct group*, char*, int, FILE**);'
./protochk "$extern_C $try" $hdrs && getgrent_r_proto=I_SBIH ;;
esac
case "$getgrent_r_proto" in
"|0) d_getgrent_r=undef
getgrent_r_proto=0
echo "Disabling getgrent_r, cannot determine prototype." >&4 ;;
* ) case "$getgrent_r_proto" in
REENTRANT_PROTO*) ;;
*) getgrent_r_proto="REENTRANT_PROTO_$getgrent_r_proto" ;;
esac
echo "Prototype:
$try" ;;
esac

```

```

;;
*) case "$susetthreads" in
define) echo "getgrent_r has no prototype, not using it." >&4 ;;
esac
d_getgrent_r=undef
getgrent_r_proto=0
;;
esac
;;
*) getgrent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getgrent\_r.U

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_isinfl: Inlibc
?MAKE: -pick add $@ %<
?S:d_isinfl:
?S: This variable conditionally defines the HAS_ISINFL symbol, which
?S: indicates to the C program that the isinfl() routine is available.
?S:
?C:HAS_ISINFL:
?C: This symbol, if defined, indicates that the isinfl routine is
?C: available to check whether a long double is an infinity.
?C:
?H:#$d_isinfl HAS_ISINFL /**/
?H:
?LINT:set d_isinfl
: see if isinfl exists
set isinfl d_isinfl
eval $inlibc

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_isinfl.U

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

```

?RCS: $Id$

```

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: usenm.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:26:40 ram  
?RCS: patch61: don't use nm with the GNU C library  
?RCS: patch61: added support for Linux shared libs  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:57 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:usenm runnm nm\_opt nm\_so\_opt: cat test Myread Oldconfig grep \  
d\_gnulibc nm egrep rsrc osname Guess  
?MAKE: -pick add \$@ %<  
?S:usenm:  
?S: This variable contains 'true' or 'false' depending whether the  
?S: nm extraction is wanted  
or not.  
?S:.  
?S:runnm:  
?S: This variable contains 'true' or 'false' depending whether the  
?S: nm extraction should be performed or not, according to the value  
?S: of usenm and the flags on the Configure command line.  
?S:.  
?S:nm\_opt:  
?S: This variable holds the options that may be necessary for nm.  
?S:.  
?S:nm\_so\_opt:  
?S: This variable holds the options that may be necessary for nm  
?S: to work on a shared library but that can not be used on an  
?S: archive library. Currently, this is only used by Linux, where  
?S: nm --dynamic is \*required\* to get symbols from an ELF library which  
?S: has been stripped, but nm --dynamic is \*fatal\* on an archive library.  
?S: Maybe Linux should just always set usenm=false.  
?S:.  
: see if nm is to be used to determine whether a symbol is defined or not  
?X: If there is enough inquiries, it might be worth to wait for the nm  
?X: extraction. Otherwise, the C compilations might be a better deal.  
?X:  
?X: Don't bother if we're using GNU libc -- skimo  
case "\$usenm"

```

in
")
dflt="
case "$d_gnulibc" in
"$define")
echo " "
echo "$nm probably won't work on the GNU C Library." >&4
dflt=n
;;
esac
case "$dflt" in
")
if $test "$osname" = aix -a ! -f /lib/syscalls.exp; then
echo " "
echo "Whoops! This is an AIX system without /lib/syscalls.exp!" >&4
echo "'nm' won't be sufficient on this system." >&4
dflt=n
fi
;;
esac
case "$dflt" in
")
if ./gnu; then
echo " "
echo "Hmm... A GNU system without a GNU C Library? Weird..." >&4
dflt=n
else
dflt=`$grep 'inlibc|csym' $src/Configure | wc -l 2>/dev/null`
if $test $dflt -gt 20; then
dflt=y
else
dflt=n
fi
fi
;;
esac
*)
case "$usenm" in
true|$define) dflt=y;;
*) dflt=n;;
esac
;;
esac
$cat <<EOM

```

I can use `$nm` to extract the symbols from your C libraries. This is a time consuming task which may generate huge output on the disk (up



to 3 megabytes) but that should make the symbols extraction faster. The alternative is to skip the 'nm' extraction part and to compile a small test program instead to determine whether each symbol is present. If you have a fast C compiler and/or if your 'nm' output cannot be parsed, this may be the best solution.

EOM

```
rp='Shall I use nm to extract C symbols from the libraries?'
./myread
case "$ans" in
[Nn]*) usenm=false;;
*) usenm=true;;
esac
```

?X: Name extraction is to be run if 'nm' usage is wanted and if no -r flag  
?X: was provided to configure (in which case we simply re-use the previous  
?X: values).

```
runnm=$usenm
case "$reuseval" in
true) runnm=false;;
esac
```

: nm options which may be necessary

```
case "$nm_opt" in
") if $test -f /mach_boot; then
nm_opt=" # Mach
elif $test -d /usr/ccs/lib; then
nm_opt='-p' # Solaris (and SunOS?)
elif $test -f /dgux; then
nm_opt='-p' # DG-UX
elif $test -f /lib64/rld; then
nm_opt='-p' # 64-bit Irix
else
nm_opt="
fi;;
esac
```

?X: nm options which may be necessary for shared libraries but illegal

?X: for archive libraries. Thank you,

Linux.

```
case "$nm_so_opt" in
") case "$osname" in
*linux*)
if $nm --help | $grep 'dynamic' > /dev/null 2>&1; then
nm_so_opt='--dynamic'
fi
;;
```

```
esac
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/userm.U
```

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

```
?RCS: $Id: d_inetd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_inetd.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:23 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_inetd: cat test package Myread Setvar
?MAKE: -pick add $@ %<
?S:d_inetd:
?S: This symbol conditionally defines USE_INETD which indicates to the C
?S: program that the initial socket connection will be done via inetd.
?S:.
?C:USE_INETD (INETD):
?C: This symbol if defined indicates to the C program that inetd will be
?C: in charge of the
?C: initial socket connection. The file descriptors 0 and
?C: 1 have been dup()ed from the original connected socket descriptor and
?C: are ready for send() and recv().
?C:.
?H:#$d_inetd USE_INETD /**/
?H:.
?LINT:set d_inetd
: ask whether initial socket connection is to be done via inetd
echo " "
dflt=n
case "$d_inetd" in
") if $test -f /etc/inetd.conf; then
$cat <<EOM
```

Your system provides a so called "Internet super-server", the inetd daemon. Network services like ftp or rlogin are usually handled via ftpd and rlogind daemons. Without inetd, these daemons must always be running for the service

to be on. On the contrary, inetd listens to specific ports defined in file /etc/inetd.conf and will run the appropriate daemon upon request. This scheme avoids eating up the process table and memory with useless daemons.

I can set up things so that internet connections for \$package will be done using inetd, in which case you will have to edit /etc/inetd.conf to add some specific informations.

```
EOM
  dflt=y
else
  $cat
<<EOM
```

I do not see any trace of a configuration file for inetd, hence I assume your system does not support the so called "Internet super-server". This means \$package will need to have a daemon process running on this machine to allow network connections.

```
EOM
fi;;
*) case "$d_inetd" in
"$define") dflt=y;;
esac;;
esac
rp='Do you wish to use inetd for network connections?'
. ./myread
val="$undef"
case "$ans" in
y*|Y*) val="$define";;
esac
set d_inetd
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_inetd.U
```

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

```
?RCS: $Id: d_time.U,v 3.0.1.2 1995/07/25 14:07:43 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

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?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```

?RCS: $Log: d_time.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 14:07:43 ram
?RCS: patch56: typo fix, sytem -> system
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:16:38 ram
?RCS: patch36: now uses new Typedef unit to compute type information (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:45 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X: Maybe <sys/types.h> should be included?
?X:INC: i_systypes
?MAKE:d_time timetype: Csym Setvar Findhdr Myread Typedef
?MAKE: -pick
add $@ %<
?S:d_time:
?S: This variable conditionally defines the HAS_TIME symbol, which indicates
?S: that the time() routine exists. The time() routine is normally
?S: provided on UNIX systems.
?S:.
?S:timetype:
?S: This variable holds the type returned by time(). It can be long,
?S: or time_t on BSD sites (in which case <sys/types.h> should be
?S: included). Anyway, the type Time_t should be used.
?S:.
?C:HAS_TIME (TIMER):
?C: This symbol, if defined, indicates that the time() routine exists.
?C:.
?C:Time_t (TIMETYPE):
?C: This symbol holds the type returned by time(). It can be long,
?C: or time_t on BSD sites (in which case <sys/types.h> should be
?C: included).
?C:.
?H:#$d_time HAS_TIME /**/
?H:#define Time_t $timetype /* Time type */
?H:.
?LINT:set d_time
: see if time exists
echo " "
?X: MPE/iX needs this protection of hint values.
?X: See d_sterror.U for more explanation.
if test "$d_time" = X -o X"$timetype" = X; then
    if set time val -f d_time; eval $csym; $val;
then
    echo 'time() found.' >&4
    val="$define"
    rp="What is the type returned by time() on this system?"
    set time_t timetype long stdio.h sys/types.h

```

```

eval $typedef_ask
else
echo 'time() not found, hope that will do.'>&4
val="$undef"
timetype='int';
fi
set d_time
eval $setvar
fi

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/d_time.U
```

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

?RCS: \$Id: Whoa.U,v 3.0.1.2 1997/02/28 15:21:21 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Whoa.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:21:21 ram

?RCS: patch61: whoa script now starts with leading "startsh"

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:01 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:19 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to warn the user in case a change into a variable

is noticed.

?X:

?X: To use this unit, \$was must hold the old value that has changed. Upon

?X: exit, the two variables \$td and \$tu are set to the correct value for

?X: respectively defining or undefining a variable. For instance, if \$was was

?X: \$undef, but now \$var is \$define, after calling . whoa, you should use

?X: eval "\$var=\\$tu" to finally set \$var to the correct value. See unit Inlibc.

?X:

?MAKE:Whoa: Myread startsh hint

?MAKE: -pick add \$@ %<

```

?F:./whoa
?T:var was td tu hintfile
: set up the script used to warn in case of inconsistency
cat <<EOS >whoa
$startsh
EOS
cat <<'EOESC' >>whoa
dflt=y
case "$hint" in
    recommended)
case "$hintfile" in
    *) echo "The $hint value for \$$var on this machine was \"\$was\!" >&4
    ;;
    *) echo "Hmm. Based on the hints in hints/$hintfile.sh, " >&4
    echo "the $hint value for \$$var on this machine was \"\$was\!" >&4
    ;;
esac
;;
*) echo " "
echo "*** WHOA THERE!!! ***" >&4
echo " The $hint value for \$$var on this machine was
\"$was\!" >&4
;;
esac
rp=" Keep the $hint value?"
./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOESC

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Whoa.U

```

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

```
?RCS: $Id: d_setpent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
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```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: d_setpent.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
```

?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setpent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setpent:  
?S: This variable conditionally defines HAS\_SETPROTOENT if setprotoent() is  
?S: available.  
?S:.  
?C:HAS\_SETPROTOENT:  
?C: This symbol, if defined, indicates that the setprotoent() routine is  
?C: available.  
?C:.  
?H:#\$d\_setpent HAS\_SETPROTOENT /\*\*/  
?H:.  
?LINT:set d\_setpent  
: see if setprotoent  
exists  
set setprotoent d\_setpent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setpent.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:uselargefiles \  
ccflags\_uselargefiles \  
ldflags\_uselargefiles \  
libswanted\_uselargefiles: \  
Myread Oldconfig Setvar test lseeksize fpossize \  
fpostype Compile echo n c cat lseektype rm\_try run \  
use64bitint use64bitall i\_stdlib  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:uselargefiles:  
?S: This variable conditionally defines the USE\_LARGE\_FILES symbol,  
?S: and indicates that large file interfaces should be used when  
?S: available.  
?S:.  
?S:ccflags\_uselargefiles:  
?S: This variable contains the compiler flags needed by large file builds

```

?S: and added to ccflags by hints files.
?S:.
?S:ldflags_uselargefiles:
?S: This variable contains the loader flags needed by large file builds
?S: and added to ldflags by
?S: hints files.
?S:.
?S:libswanted_uselargefiles:
?S: This variable contains the libraries needed by large file builds
?S: and added to ldflags by hints files. It is a space separated list
?S: of the library names without the "lib" prefix or any suffix, just
?S: like libswanted..
?S:.
?C:USE_LARGE_FILES:
?C: This symbol, if defined, indicates that large file support
?C: should be used when available.
?C:.
?H:?%<:#ifndef USE_LARGE_FILES
?H:?%<:#$uselargefiles USE_LARGE_FILES /**/
?H:?%<:#endif
?H:.
?INIT:ccflags_uselargefiles="
?INIT:ldflags_uselargefiles="
?INIT:libswanted_uselargefiles="
?T:yyy zzz
?F:!uselargefiles.cbu !try
?LINT:change lseeksize
?LINT:change fpossize
?LINT:extern usefs
?LINT:use use64bitint
?LINT:use use64bitall
: Check for large file support
# Backward compatibility (usefs is deprecated).
case "$usefs" in
"$define"|true|[yY]*)
cat <<EOM >&4

*** Configure -Dusefs is deprecated, using -Duselargefiles instead.
EOM
uselargefiles="$define"
;;
esac

case "$lseeksize:$fpossize"
in
8:8) cat <<EOM

```

You can have files larger than 2 gigabytes.



EOM

```
val="$define" ;;
*) case "$uselargefiles" in
"$undef"|false|[nN]*) dflt='n' ;;
*) dflt='y' ;;
esac
cat <<EOM
```

Perl can be built to understand large files (files larger than 2 gigabytes) on some systems. To do so, Configure can be run with `-Duselargefiles`.

If this doesn't make any sense to you, just accept the default '\$dflt'.

EOM

```
rp="Try to understand large files, if available?"
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
;;
esac
set uselargefiles
eval $setvar
: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a large files perl is to be built,
: we may need to set or change some other defaults.
if $test -f uselargefiles.cbu; then
echo "Your platform has some specific hints regarding large file builds, using them..."
./uselargefiles.cbu
fi
case "$uselargefiles" in
"$define")
if $test -f uselargefiles.cbu;
then
echo " "
echo "Rechecking to see how big your file offsets are..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
int main()
{
printf("%d\n", (int)sizeof($lseektype));
return(0);
}
EOCP
set try
if eval $compile_ok; then
lseeksize=`$run ./try`
```

```

$echo "Your file offsets are now $lseeksize bytes long."
else
dflt="$lseeksize"
echo " "
echo "(I can't seem to compile the test program. Guessing...)"
rp="What is the size of your file offsets (in bytes)?"
./myread
lseeksize="$ans"
fi
case "$fpostype" in
*_t) zzz="$fpostype" ;;
*) zzz="fpos_t" ;;
esac
$echo $n "Rechecking the size of $zzz...$c" >&4
$cat > try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main() {
    printf("%d\n", (int)sizeof($fpostype));
    return(0);
}
EOCP
set try
if eval $compile_ok; then
yyy=`$run ./try`
dflt="$lseeksize"
case "$yyy" in
") echo
" "
echo "(I can't execute the test program--guessing $fpossize.)" >&4
;;
*) fpossize=$yyy
echo " $fpossize bytes." >&4
;;
esac
else
dflt="$fpossize"
echo " "
echo "(I can't compile the test program. Guessing...)" >&4
rp="What is the size of your file positions (in bytes)?"
./myread
fpossize="$ans"
fi
$rm_try

```

```
fi
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/uselfs.U
```

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

```
?RCS: $Id: i_sysstat.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysstat.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:48:30 ram
?RCS: patch61: created
?RCS:
?MAKE:i_sysstat: Inhdr
?MAKE: -pick add $@ %<
?S:i_sysstat:
?S: This variable conditionally defines the I_SYS_STAT symbol,
?S: and indicates whether a C program should include <sys/stat.h>.
?S:.
?C:I_SYS_STAT (I_SYSSTAT):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/stat.h>.
?C:.
?H:#$i_sysstat I_SYS_STAT /**/
?H:.
?LINT:set
i_sysstat
: see if sys/stat.h is available
set sys/stat.h i_sysstat
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysstat.U
```

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

```
?RCS: $Id: d_getpwuid_r.U,v 0RCS:
```

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getpwuid\_r getpwuid\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_pwd extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getpwuid\_r:

?S: This variable conditionally defines the HAS\_GETPWUID\_R symbol,

?S: which indicates to the C program that the getpwuid\_r()

?S: routine is available.

?S:.

?S:getpwuid\_r\_proto:

?S: This variable encodes the prototype of getpwuid\_r.

?S: It is zero if d\_getpwuid\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwuid\_r

?S: is defined.

?S:.

?C:HAS\_GETPWUID\_R:

?C: This symbol, if defined, indicates that the getpwuid\_r routine

?C: is available to

getpwuid re-entrantly.

?C:.

?C:GETPWUID\_R\_PROTO:

?C: This symbol encodes the prototype of getpwuid\_r.

?C: It is zero if d\_getpwuid\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwuid\_r

?C: is defined.

?C:.

?H:#\$d\_getpwuid\_r HAS\_GETPWUID\_R /\*\*/  
 ?H:#define GETPWUID\_R\_PROTO \$getpwuid\_r\_proto /\*\*/  
 ?H:.

?T:try hdrs d\_getpwuid\_r\_proto  
 : see if getpwuid\_r exists  
 set getpwuid\_r d\_getpwuid\_r  
 eval \$inlibc  
 case "\$d\_getpwuid\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_pwd pwd.h"  
 case "\$d\_getpwuid\_r\_proto:\$usethreads" in  
 ":define") d\_getpwuid\_r\_proto=define  
 set d\_getpwuid\_r\_proto getpwuid\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac

```

case "$d_getpwuid_r_proto" in
define)
case "$getpwuid_r_proto" in
"|0) try='int getpwuid_r(uid_t, struct passwd*, char*, size_t, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwuid_r_proto=I_TSBWR ;;
esac
case "$getpwuid_r_proto" in
"|0) try='int getpwuid_r(uid_t, struct passwd*, char*, int,
struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwuid_r_proto=I_TSBIR ;;
esac
case "$getpwuid_r_proto" in
"|0) try='int getpwuid_r(uid_t, struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwuid_r_proto=I_TSBI ;;
esac
case "$getpwuid_r_proto" in
"|0) try='struct passwd* getpwuid_r(uid_t, struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwuid_r_proto=S_TSBI ;;
esac
case "$getpwuid_r_proto" in
"|0) d_getpwuid_r=undef
getpwuid_r_proto=0
echo "Disabling getpwuid_r, cannot determine prototype." >&4 ;;
*) case "$getpwuid_r_proto" in
REENTRANT_PROTO*) ;;
*) getpwuid_r_proto="REENTRANT_PROTO_$getpwuid_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getpwuid_r has no prototype, not using it." >&4 ;;
esac
d_getpwuid_r=undef
getpwuid_r_proto=0
;;
esac
;;
*) getpwuid_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getpwuid\_r.U

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

?RCS: \$Id: mansrc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: mansrc.U,v \$  
?RCS: Revision 3.0.1.9 1997/02/28 16:12:03 ram  
?RCS: patch61: don't ask for AFS when they choose to not install pages  
?RCS:  
?RCS: Revision 3.0.1.8 1995/09/25 09:16:58 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.7 1995/02/15 14:15:31 ram  
?RCS: patch51: was mistakenly duplicating /usr/local/man/man1 (ADO)  
?RCS: patch51: added /opt/man/man1 to the lookpath (ADO)  
?RCS:  
?RCS: Revision  
3.0.1.6 1995/01/30 14:39:34 ram  
?RCS: patch49: can now handle installation prefix changes (from WED)  
?RCS:  
?RCS: Revision 3.0.1.5 1995/01/11 15:32:25 ram  
?RCS: patch45: can now use Loc variables since path stripping is deferred  
?RCS:  
?RCS: Revision 3.0.1.4 1994/08/29 16:30:38 ram  
?RCS: patch32: now uses installation prefix for default setting  
?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 15:11:10 ram  
?RCS: patch23: added lint hint, assuring that nroff is used  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:14:39 ram  
?RCS: patch16: now uses \_nroff in case user asked for portability  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:09:31 ram  
?RCS: patch10: allows for L1 man page extension (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:14 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:mansrc mansrcexp manext installmansrc: afs cat nroff Loc Oldconfig \  
sysman spackage test Getfile Prefixit prefixexp Prefixup  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:mansrc:  
?S: This variable

contains the name of the directory in which manual

?S: source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S:.

?S:mansrcexp:

?S: This variable is the same as the mansrc variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?S:installmansrc:

?S: This variable is really the same as mansrcexp, unless you are using

?S: AFS in which case it points to the read/write location whereas

?S: mansrcexp only points to the read-only access location. For extra

?S: portability, you should only use this variable within your makefiles.

?S:.

?S:manext:

?S: This variable contains the extension that the manual page should

?S: have: one of 'n', 'l', or 'L'. The Makefile must supply the '.'.

?S: See mansrc.

?S:.

?T:lookpath

: determine where manual pages go

set mansrc mansrc none

eval \$prefixit

\$cat <<EOM

```

$package has manual
  pages available in source form.
EOM
case "$nroff" in
nroff)
  echo "However, you don't have nroff, so they're probably useless to you."
case "$mansrc" in
") mansrc="none";;
esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$mansrc" in
")
  lookpath="$prefixexp/share/man/man1 $prefixexp/man/man1"
  lookpath="$lookpath $prefixexp/man/u_man/man1 $prefixexp/man/l_man/man1"
  lookpath="$lookpath /usr/local/man/man1 /opt/man/man1 /usr/man/man1"
  lookpath="$lookpath /usr/share/man/man1 /usr/local/share/man/man1"
  lookpath="$lookpath /usr/man/local/man1 /usr/man/l_man/man1"
  lookpath="$lookpath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
  lookpath="$lookpath /usr/man/man.L"
  mansrc=`./loc . $prefixexp/man/man1 $lookpath`
  if $test -d "$mansrc"; then

```

```

    dflt="$mansrc"
else
    dflt="$sysman"
fi
set dflt
eval $prefixup
;;
') dflt=none;;
*) dflt="$mansrc"
;;
esac
echo " "
fn=dn~
rp='Where do the manual pages (source) go?'
./getfile
if test
"$X$mansrcexp" != "$X$ansexp"; then
installmansrc="
fi
mansrc="$ans"
mansrcexp="$ansexp"
case "$mansrc" in
") mansrc=' '
installmansrc="";;
esac
if $afs && $test "$mansrc"; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installmansrc" in
") dflt=`echo $mansrcexp | sed 's#^/afs/#/afs/#^';;
*) dflt="$installmansrc";;
esac
fn=de~
rp='Where will man pages be installed?'
./getfile
installmansrc="$ans"
else
installmansrc="$mansrcexp"
fi

case "$mansrc" in
') manext='0';;
*1) manext=l;;

```



```
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=l;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mansrc.U
```

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

```
?RCS: $Id: d_sighold.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sighold.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:21 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_sighold: Inlibc
?MAKE: -pick add $@ %<
?S:d_sighold:
?S: This variable conditionally defines HAS_SIGHOLD if sighold() is
?S: available to hold signals.
?S:.
?C:HAS_SIGHOLD:
?C: This symbol, if defined, indicates that the sighold routine is
?C: available to hold signals.
?C:.
?H:#$d_sighold HAS_SIGHOLD /**/
?H:.
?LINT:set d_sighold
:
see if sighold exists
set sighold d_sighold
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/d\_sighold.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_closedir.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:31:26 ram

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:11:18 ram

?RCS: patch36: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:07:21 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_closedir d\_void\_closedir: Inlibc i\_dirent i\_sysdir i\_sysndir \  
cc ccflags ldflags libs Setvar rm

?MAKE: -pick

add \$@ %<

?S:d\_closedir:

?S: This variable conditionally defines HAS\_CLOSEDIR if closedir() is

?S: available.

?S:.

?C:HAS\_CLOSEDIR:

?C: This symbol, if defined, indicates that the closedir() routine is

?C: available.

?C:.

?H:#\$d\_closedir HAS\_CLOSEDIR /\*\*/

?H:.

?S:d\_void\_closedir:

?S: This variable conditionally defines VOID\_CLOSEDIR if closedir()

?S: does not return a value.

?S:.

?C:VOID\_CLOSEDIR:

?C: This symbol, if defined, indicates that the closedir() routine

?C: does not return a value.

?C:.

?H:#\$d\_void\_closedir VOID\_CLOSEDIR /\*\*/

```

?H:
?F:!closedir
?LINT:set d_closedir d_void_closedir
: see if closedir exists
set closedir d_closedir
eval $inlibc

@if VOID_CLOSEDIR || d_void_closedir
?X: The following contortions are designed so we can call closedir()
?X: and check whether it returns a value. The contortions are designed
?X: to portably pick up the correct directory header, for those
?X: systems that support various mutually incompatible directory functions.
?X: This
is from perl5's perl.h
case "$d_closedir" in
"$define")
echo " "
echo "Checking whether closedir() returns a status..." >&4
cat > closedir.c <<EOM
#$i_dirent I_DIRENT /**/
#$i_sysdir I_SYS_DIR /**/
#$i_sysndir I_SYS_NDIR /**/

#if defined(I_DIRENT)
#include <dirent.h>
#if defined(NeXT) && defined(I_SYS_DIR) /* NeXT needs dirent + sys/dir.h */
#include <sys/dir.h>
#endif
#else
#ifdef I_SYS_NDIR
#include <sys/ndir.h>
#else
#ifdef I_SYS_DIR
#ifdef hp9000s500
#include <ndir.h> /* may be wrong in the future */
#else
#include <sys/dir.h>
#endif
#endif
#endif
#endif
#endif
int main() { return closedir(opendir(".")); }
EOM
if $cc $ccflags $ldflags -o closedir closedir.c $libs > /dev/null 2>&1; then
if ./closedir > /dev/null 2>&1 ; then
echo "Yes, it does."
val="$undef"
else

```

```

    echo "No, it doesn't."
    val="$define"
fi
else
    echo "(I can't seem to compile the test program--assuming it doesn't)"
    val="$define"
fi
;;
*)
    val="$undef";
;;
esac
set d_void_closedir
eval $setvar
$rm
-f closedir*
@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_closedir.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:use64bitint use64bitall archname64: Myread Oldconfig Setvar test \  
usemorebits longsize cflags d\_quad uquadtype Compile rm\_try run

?MAKE: -pick add \$@ %<

?Y:TOP

?S:use64bitint:

?S: This variable conditionally defines the USE\_64\_BIT\_INT symbol,

?S: and indicates that 64-bit integer types should be used

?S: when available. The minimal possible 64-bitness

?S: is employed, just enough to get 64-bit integers into Perl.

?S: This may mean using for example "long longs", while your memory

?S: may still be limited to 2 gigabytes.

?S:.

?S:use64bitall:

?S: This variable conditionally defines the USE\_64\_BIT\_ALL symbol,

?S: and indicates that 64-bit integer types should be used

?S: when available. The maximal

possible

?S: 64-bitness is employed: LP64 or ILP64, meaning that you will

?S: be able to use more than 2 gigabytes of memory. This mode is  
 ?S: even more binary incompatible than USE\_64\_BIT\_INT. You may not  
 ?S: be able to run the resulting executable in a 32-bit CPU at all or  
 ?S: you may need at least to reboot your OS to 64-bit mode.  
 ?S:.  
 ?S:archname64:  
 ?S: This variable is used for the 64-bitness part of \$archname.  
 ?S:.  
 ?C:USE\_64\_BIT\_INT:  
 ?C: This symbol, if defined, indicates that 64-bit integers should  
 ?C: be used when available. If not defined, the native integers  
 ?C: will be employed (be they 32 or 64 bits). The minimal possible  
 ?C: 64-bitness is used, just enough to get 64-bit integers into Perl.  
 ?C: This may mean using for example "long longs", while your memory  
 ?C: may still be limited to 2 gigabytes.  
 ?C:.  
 ?C:USE\_64\_BIT\_ALL:  
 ?C: This symbol, if defined, indicates that 64-bit integers should  
 ?C: be used when available. If not defined, the native integers  
 ?C: will be used (be  
 they 32 or 64 bits). The maximal possible  
 ?C: 64-bitness is employed: LP64 or ILP64, meaning that you will  
 ?C: be able to use more than 2 gigabytes of memory. This mode is  
 ?C: even more binary incompatible than USE\_64\_BIT\_INT. You may not  
 ?C: be able to run the resulting executable in a 32-bit CPU at all or  
 ?C: you may need at least to reboot your OS to 64-bit mode.  
 ?C:.  
 ?H:%<:#ifndef USE\_64\_BIT\_INT  
 ?H:%<:#\$use64bitint USE\_64\_BIT\_INT /\*\*/  
 ?H:%<:#endif  
 ?H:%<:#ifndef USE\_64\_BIT\_ALL  
 ?H:%<:#\$use64bitall USE\_64\_BIT\_ALL /\*\*/  
 ?H:%<:#endif  
 ?H:.  
 ?INIT:archname64="  
 ?LINT:extern ccflags  
 ?LINT:use usemorebits  
 ?LINT:extern use64bits  
 ?LINT:extern uselonglong  
 ?LINT:extern uselonglongs  
 ?LINT:extern use64bitints  
 ?LINT:extern use64bitsint  
 ?LINT:extern use64bitsall  
 ?T:libcquad  
 ?F:!try  
 ?F:!use64bitint.cbu  
 ?F:!use64bitall.cbu  
 : Do we want 64bit support

```
case "$uselonglong" in
"$define"|true|[yY]*)
cat <<EOM >&4
```

\*\*\* Configure -Duselonglong is deprecated, using -Duse64bitint instead.

```
EOM
use64bitint="$define"
;;
esac
case
"$use64bits" in
"$define"|true|[yY]*)
cat <<EOM >&4
```

\*\*\* Configure -Duse64bits is deprecated, using -Duse64bitint instead.

```
EOM
use64bitint="$define"
;;
esac
case "$use64bitints" in
"$define"|true|[yY]*)
cat <<EOM >&4
```

\*\*\* There is no Configure -Duse64bitints, using -Duse64bitint instead.

```
EOM
use64bitint="$define"
;;
esac
case "$use64bitsint" in
"$define"|true|[yY]*)
cat <<EOM >&4
```

\*\*\* There is no Configure -Duse64bitsint, using -Duse64bitint instead.

```
EOM
use64bitint="$define"
;;
esac
case "$uselonglongs" in
"$define"|true|[yY]*)
cat <<EOM >&4
```

\*\*\* There is no Configure -Duselonglongs, using -Duse64bitint instead.

```
EOM
use64bitint="$define"
;;
esac
case "$use64bitsall" in
"$define"|true|[yY]*)
```

```
cat <<EOM >&4
```

\*\*\* There is no Configure -Duse64bitsall, using -Duse64bitall instead.

```
EOM
```

```
use64bitall="$define"
```

```
::
```

```
esac
```

```
case "$ccflags" in
```

```
*-DUSE_LONG_LONG*|*-DUSE_64_BIT_INT*|*-DUSE_64_BIT_ALL*) use64bitint="$define";;
```

```
esac
```

```
case "$use64bitall" in
```

```
"$define"|true|[yY]*)
```

```
use64bitint="$define" ;;
```

```
esac
```

```
case "$longsize" in
```

```
8) cat <<EOM
```

You have natively 64-bit long integers.

```
EOM
```

```
val="$define"
```

```
::
```

```
*) case "$use64bitint" in
```

```
"$define"|true|[yY]*) dflt='y';;
```

```
*) dflt='n';;
```

```
esac
```

```
case "$d_quad" in
```

```
"$define") ;;
```

```
*) dflt='n' ;;
```

```
esac
```

```
cat <<EOM
```

Perl can be built to take advantage of 64-bit integer types

on some systems. To do so, Configure can be run with -Duse64bitint.

Choosing this option will most probably introduce binary incompatibilities.

If this doesn't make any sense to you, just accept the default '\$dflt'.

(The default has been chosen based on your configuration.)

```
EOM
```

```
rp='Try to use 64-bit integers, if available?'
```

```
./myread
```

```
case "$ans" in
```

```
[yY]*) val="$define" ;;
```

```
*) val="$undef" ;;
```

```
esac
```

```
::
```

```
esac
```

```

set use64bitint
eval $setvar

case "$use64bitall" in
"$define"|true|[yY]*) dflt='y' ;;
*) case "$longsize" in
8) dflt='y' ;;
*) dflt='n' ;;
esac
;;
esac
cat <<EOM

```

You may also choose to try maximal 64-bitness. It means using as much 64-bitness as possible on the platform. This in turn means even more binary incompatibilities. On the other hand, your platform may not have any more 64-bitness available than what you already have chosen.

If this doesn't make any sense to you, just accept the default '\$dflt'. (The default has been chosen based on your configuration.)

```

EOM
rp='Try to use maximal 64-bit support, if available?'
. ./myread
case "$ans" in
[yY]*) val="$define" ;;
*) val="$undef" ;;
esac
set use64bitall
eval $setvar
case "$use64bitall" in
"$define")
case "$use64bitint" in
"$undef")
cat <<EOM

```

Since you have chosen a maximally 64-bit build, I'm also turning on the use of 64-bit integers.

```

EOM
use64bitint="$define" ;;
esac
;;
esac

```

```

: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a 64-bit perl is to be built,
: we may need to set or change some other defaults.
if $test -f use64bitint.cbu; then

```



```

echo "Your
platform has some specific hints regarding 64-bit integers, using them..."
. ./use64bitint.cbu
fi
case "$use64bitint" in
"$define"|true|[yY]*)
: This test was common to all the OpenBSD forks, and seems harmless for
: other platforms:
echo " "
echo "Checking if your C library has broken 64-bit functions..." >&4
cat >try.c <<EOCP
#include <stdio.h>
typedef $uquadtype myULL;
int main (void)
{
    struct {
double d;
myULL u;
    } *p, test[] = {
{4294967303.15, 4294967303ULL},
{4294967294.2, 4294967294ULL},
{4294967295.7, 4294967295ULL},
{0.0, 0ULL}
    };
    for (p = test; p->u; p++) {
myULL x = (myULL)p->d;
if (x != p->u) {
    printf("buggy\n");
    return 0;
}
}
    printf("ok\n");
    return 0;
}
EOCP
set try
if eval $compile_ok; then
    libcquad=`$run ./try`
    echo "Your C library's 64-bit functions are $libcquad."
else
    echo "(I can't seem to compile the test program.)"
    echo "Assuming that your C library's 64-bit functions are ok."
    libcquad="ok"
fi
$rm_try

case

```

```
"$libcquad" in
  buggy*)
cat >&4 <<EOM
```

```
*** You have a C library with broken 64-bit functions.
*** 64-bit support does not work reliably in this configuration.
*** Please rerun Configure without -Duse64bitint and/or -Dusemorebits.
*** Cannot continue, aborting.
```

```
EOM
  exit 1
  ;;
esac
case "$longsize" in
4) case "$archname64" in
  ") archname64=64int ;;
  esac
  ;;
esac
;;
esac
```

```
: Look for a hint-file generated 'call-back-unit'. If the
: user has specified that a maximally 64-bit perl is to be built,
: we may need to set or change some other defaults.
if $test -f use64bitall.cbu; then
  echo "Your platform has some specific hints regarding 64-bit builds, using them..."
  . ./use64bitall.cbu
fi
case "$use64bitall" in
"$define"|true|[yY]*)
case "$longsize" in
4) case "$archname64" in
  "|64int) archname64=64all ;;
  esac
  ;;
esac
;;
esac
```

```
case "$d_quad:$use64bitint" in
$undef:$define)
cat >&4 <<EOF
```

```
*** You have chosen to use 64-bit
integers,
*** but none can be found.
*** Please rerun Configure without -Duse64bitint and/or -Dusemorebits.
```

\*\*\* Cannot continue, aborting.

```
EOF
exit 1
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/use64bits.U
```

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

```
?RCS: $Id: baserev.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: baserev.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:05:24 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:baserev: Null
```

```
?MAKE: -pick wipe $@ %<
```

```
?S:baserev:
```

```
?S: The base revision level of this package, from the .package file.
```

```
?S:.
```

```
: set the base revision
```

```
baserev=<BASEREV>
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/baserev.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
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```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

?RCS:  
?RCS: \$Log: d\_csh.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:32:18 ram  
?RCS: patch61: added full\_csh to preserve the full path even when portable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:53 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_csh full\_csh: csh Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_csh:  
?S: This variable conditionally defines the CSH symbol, which  
?S: indicates to the C program that the C-shell exists.  
?S:.  
?S:full\_csh:  
?S: This variable contains the full pathname to 'csh', whether  
or  
?S: not the user has specified 'portability'. This is only used  
?S: in the compiled C program, and we assume that all systems which  
?S: can share this executable will have the same full pathname to  
?S: 'csh.'  
?S:.  
?X: Yes, I know about the C symbol PORTABLE, but I think csh  
?X: is unlikely to move, and I'm too lazy to add all the  
?X: #ifdef PORTABLE sections to the perl source.  
?X:  
?C:HAS\_CSH:  
?C: This symbol, if defined, indicates that the C-shell exists.  
?C:.  
?C:CSH:  
?C: This symbol, if defined, contains the full pathname of csh.  
?C:.  
?X: Previously, I just did \$d\_csh CSH "\$full\_csh", but that caused  
?X: problems on VMS where the config.sh extraction program changes  
?X: \$undef to a real cpp undef, and they then had #undef CSH ""  
?X: which the compiler didn't like. It's easy to work around this,  
?X: so I did. --AD 3/1998.  
?X: And we don't want to define CSH if !HAS\_CSH, but we don't want  
?X: those lines in config.h if they don't need CSH, so protect with ?CSH  
?X: and not  
?%<. --RAM, 15/02/2004  
?H:?%<:#\$d\_csh HAS\_CSH /\*\*/  
?H:?CSH:#ifdef HAS\_CSH  
?H:?CSH:#define CSH "\$full\_csh" /\*\*/  
?H:?CSH:#endif  
?H:.  
?LINT:set d\_csh  
: get csh whereabouts

```
case "$csh" in
'csh') val="$undef" ;;
*) val="$define" ;;
esac
set d_csh
eval $setvar
: Respect a hint or command line value for full_csh.
case "$full_csh" in
") full_csh=$csh ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_csh.U
```

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

```
?RCS: $Id: Nothing.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Nothing.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: The purpose of this file is to supply an empty target for the private
?X: Makefile built by metaconfig to order the units.
?X:
?MAKE:Nothing: Head
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Nothing.U
```

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

```
?RCS: $Id: d_wifstat.U,v 3.0.1.3 1997/02/28 15:47:43 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
```

```

?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_wifstat.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:47:43 ram
?RCS: patch61: added a ?F: metalint hint
?RCS:
?RCS: Revision 3.0.1.2 1995/07/25 14:09:10 ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS:
?RCS: Revision 3.0.1.1 1995/03/21 08:47:46 ram
?RCS: patch52: created
?RCS:
?MAKE:d_wifstat: Compile d_uwait Oldconfig cat rm
?MAKE: -pick add $@ %<
?S:d_wifstat:
?S: This symbol conditionally defines USE_WIFSTAT
if the C program can
?S: safely use the WIFxxx macros with the kind of wait() parameter
?S: declared in the program (see UNION_WAIT), or if it can't. Should
?S: only matter on HP-UX, where the macros are incorrectly written and
?S: therefore cause programs using them with an 'union wait' variable
?S: to not compile properly.
?S:.
?C:USE_WIFSTAT:
?C: This symbol, if defined, indicates to the C program that the argument
?C: for the WIFxxx set of macros such as WIFSIGNALED or WIFEXITED can
?C: be of the same kind as the one used to hold the wait() status. Should
?C: only matter on HP-UX, where the macros are incorrectly written and
?C: therefore cause programs using them with an 'union wait' variable
?C: to not compile properly. See also UNION_WAIT.
?C:.
?H:#$d_wifstat USE_WIFSTAT /**/
?H:.
?T:type
?F:!foo
: see if we can use WIFxxx macros
echo " "
case "$d_wifstat" in
"$define") echo "As before, you can safely use WIFEXITED and friends!" >&4;;
"$undef") echo "You still can't use WIFEXITED
and friends!" >&4;;
*)
echo "Let's see whether you can use the WIFEXITED(status) macro and its"
case "$d_uwait" in
"$define") type='union wait';
*) type='int';;
esac

```

```

echo "friends with status declared as '$type status'..."
$cat >foo.c <<EOCP
#include <sys/types.h>
#include <sys/wait.h>

int main()
{
$type status;
int e = 0;

#ifdef WIFEXITED
if (WIFEXITED(status))
printf("\n");
exit(0);
#else
exit(2);
#endif
}
EOCP
d_wifstat="$undef"
set foo
if eval $compile; then
if ./foo >/dev/null; then
echo "Great! Looks like we can use the WIFxxx macros." >&4
d_wifstat="$define"
else
echo "You don't seem to have WIFxxx macros, but that's ok." >&4
fi
else
echo "Apparently you can't use WIFxxx macros properly." >&4
fi
$rm -f foo.* foo core
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_wifstat.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:run to from targetarch targetdir targetmkdir targethost targetport \

usecrosscompile hostperl hostgenerate hostosname targetenv: \  
src test rm echo sed mkdir cp chmod make touch  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:usecrosscompile:  
?S: This variable conditionally defines the USE\_CROSS\_COMPILE symbol,  
?S: and indicates that Perl has been cross-compiled.  
?S:.  
?S:run:  
?S: This variable contains the command used by Configure  
?S: to copy and execute a cross-compiled executable in the  
?S: target host. Useful and available only during Perl build.  
?S: Empty string " if not cross-compiling.  
?S:.  
?S:from:  
?S: This variable contains the command used by Configure  
?S: to copy files from the target host. Useful  
and available  
?S: only during Perl build.  
?S: The string ' ' if not cross-compiling.  
?S:.  
?S:to:  
?S: This variable contains the command used by Configure  
?S: to copy to from the target host. Useful and available  
?S: only during Perl build.  
?S: The string ' ' if not cross-compiling.  
?S:.  
?S:targetarch:  
?S: If cross-compiling, this variable contains the target architecture.  
?S: If not, this will be empty.  
?S:.  
?S:targetdir:  
?S: This variable contains a path that will be created on the target  
?S: host using targetmkdir, and then used to copy the cross-compiled  
?S: executables to. Defaults to '/tmp' if not set.  
?S:.  
?S:targetmkdir:  
?S: This variable contains the command used by Configure to create a  
?S: new directory on the target host.  
?S:.  
?S:targethost:  
?S: This variable contains the name of a separate host machine that  
?S: can be used to run compiled test programs and perl tests on.  
?S: Set to empty string if not in use.  
?S:.  
?S:targetport:  
?S: This variable contains the number



of a network port to be used to

?S: connect to the host in targethost, if unset defaults to 22 for ssh.

?S:.

?S:hostperl:

?S: This variable contains the path to a miniperl binary that can be

?S: run on the host OS when cross-compiling. Useful and available only

?S: during Perl build.

?S: Empty string " if not cross-compiling.

?S:.

?S:hostgenerate:

?S: This variable contains the path to a generate\_uudmap binary that

?S: can be run on the host OS when cross-compiling. Useful and

?S: available only during Perl build.

?S: Empty string " if not cross-compiling.

?S:.

?S:hosname:

?S: This variable contains the original value of '\$^O' for hostperl

?S: when cross-compiling. This is useful to pick the proper tools

?S: when running build code in the host.

?S: Empty string " if not cross-compiling.

?S:.

?S:targetenv:

?S: If cross-compiling, this variable can be used to modify the

?S: environment on the target system.

?S: However, how and where it's used, and even if it's used at all, is

?S: entirely

?S: dependent on both the transport mechanism (targetrun) and

?S: what the target system is. Unless the relevant documentation says

?S: otherwise, it is generally not useful.

?S:.

?C:USE\_CROSS\_COMPILE:

?C: This symbol, if defined, indicates that Perl is being cross-compiled.

?C:.

?C:PERL\_TARGETARCH:

?C: This symbol, if defined, indicates the target architecture

?C: Perl has been cross-compiled to. Undefined if not a cross-compile.

?C:.

?H:?%<:#ifndef USE\_CROSS\_COMPILE

?H:?%<:#\$usecrosscompile USE\_CROSS\_COMPILE /\*\*/

?H:?%<:#define PERL\_TARGETARCH "\$targetarch" /\*\*/

?H:?%<:#endif

?H:.

?D:targetenv="

?D:targethost="

?D:targetmkdir="

?T:croak pwd exe f q cwd file xxx env

?LINT:extern usecrosscompile

?LINT:extern cc

```

?LINT:extern usrincl
?LINT:change ar
?LINT:change nm
?LINT:change ranlib
?LINT:change src
?LINT:extern targetenv
?LINT:extern targetport
?LINT:extern targetdir
?LINT:extern targetuser
?LINT:change targetuser
?LINT:extern targetrun
?LINT:extern targetfrom
?LINT:extern
targetto
?LINT:change targetrun
?LINT:change targetfrom
?LINT:change targetto
?LINT:extern incpth
?LINT:extern libpth
?LINT:extern locincpth
?LINT:extern loclibpth
?LINT:change locincpth
?LINT:change loclibpth
?LINT:extern hostperl
?LINT:extern hostgenerate
?LINT:extern before_host
?LINT:change before_host
?LINT:extern hostosname
?LINT:extern multiarch
: Check for Cross-Compilation
?X: targethost and targetenv mainly set to allow ?S: documentation
?X: otherwise it could have been declared extern
if $test "X$targethost" = "X"; then
    targethost=""
fi
if $test "X$targetenv" = "X"; then
    targetenv=""
fi
case "$usecrosscompile" in
$define|true|[yY]*)
    $echo "Cross-compiling..."
    croak=""
case "$cc" in
*-gcc*|*-g++*) # A cross-compiling gcc, probably.
    # arm-linux-androideabi-gcc -> arm-linux-androideabi
    # x86_64-w64-mingw32-gcc.exe -> x86_64-w64-mingw32
    targetarch=`$echo $cc|$sed 's/-g[c+][c+].*$/'^
    ar=`$echo $cc|$sed 's/-g[c+][c+]/-ar/'`

```

```

# leave out ld,
choosing it is more complex
nm=`$echo $cc|$sed 's/-g[c\+][c\+]/-nm/^`
ranlib=`$echo $cc|$sed 's/-g[c\+][c\+]/-ranlib/^`
# We are in a weird spot. Just before us, some values
# were 'saved', to be restored after the hints are
# run. This means that the changes we made to ar,
# nm and ranlib will get reverted.
# To avoid that, we hijack the saving mechanism and
# have it save our new values.
for file in ar nm ranlib; do
eval xxx=\$$file
eval $file=$xxx$_exe
eval _$file=$xxx
done
;;
esac
case "$targetarch" in
") echo "Targetarch not defined." >&4; croak=y ;;
*) echo "Using targetarch $targetarch." >&4 ;;
esac
case "$targethost" in
") echo "Targethost not defined." >&4; croak=n ;;
*) echo "Using targethost $targethost." >&4
esac
locincpth=' '
loclibpth=' '
case "$croak" in
y) echo "Cannot continue, aborting." >&4; exit 1 ;;
esac
: compile a host miniperl and generate_uudmap, unless we got passed them
if
$test "X$hostperl" = X; then
echo "Building host miniperl and generate_uudmap binaries" >&4
before_host=`pwd`
cd ..
cd $src
src=`pwd`
rm -rf $src/host
mkdir $src/host
cd $src/host
$src/Configure -des -Dusedevel -Dmk symlinks
$make miniperl
case "$hostgenerate" in
") $make generate_uudmap
hostgenerate=$src/host/generate_uudmap
;;
"$sundef") hostgenerate="

```

```

        ;;
    esac
    hostperl=$src/host/miniperl
    cd $before_host
fi
hostosname=`$hostperl -le 'print $^O'`
;;
*)
    usecrosscompile="$undef"
    ;;
esac

: Define -Dtargethost=somecomputer to run compiled tests on another machine
case "$targethost" in
    *) echo "Checking for cross-compile" >&4
        case "$usecrosscompile$multiarch" in
            *$define*) echo "Skipping the try tests in the rest of Configure as no targethost was defined when cross-
compiling" >&4
                if [ -f Makefile ]; then
                    echo
                    " "
                    echo "Now you must ensure config.sh, config.h and the generated headers exist and run a $make."
                    else
                        echo "Configure done."
                    fi
                exit 0
                ;;
            *) echo "No targethost for running compiler tests against defined, running locally" >&4
                run="
to=:
from=:
                ;;
        esac
        ;;
    *) echo "Using targethost $targethost." >&4
        case "$src" in
            /*) run=$src/Cross/run
                targetmkdir=$src/Cross/mkdir
                to=$src/Cross/to
                from=$src/Cross/from
                ;;
            *) pwd=`$test -f ../Configure & cd ..; pwd`
                run=$pwd/Cross/run
                targetmkdir=$pwd/Cross/mkdir
                to=$pwd/Cross/to
                from=$pwd/Cross/from
                ;;
        esac
esac

```

```

case "$targetrun" in
") targetrun=ssh ;;
esac
case "$targetto" in
") targetto=scp ;;
esac
case "$targetfrom" in
") targetfrom=scp ;;
esac
run=$run-$targetrun
to=$to-$targetto
from=$from-$targetfrom
case "$targetdir" in
") targetdir=/tmp
    echo "Guessing targetdir $targetdir."
>&4
    ;;
esac
case "$targetuser" in
") targetuser=root
    echo "Guessing targetuser $targetuser." >&4
    ;;
esac
case "$targetport" in
") targetport=22
    echo "Guessing targetport $targetport." >&4
    ;;
esac
case "$targetfrom" in
scp) q=-q ;;
*) q=" " ;;
esac
case "$targetrun" in
ssh|rsh)
    cat >$run <<EOF
#!/bin/sh
env="
case "\$1" in
-cwd)
    shift
    cwd=\$1
    shift
    ;;
esac
case "\$1" in
-env)
    shift
    env=\$1

```

```

shift
;;
esac
case "\$cwd" in
") cwd=\$targetdir ;;
esac
exe=\$1
shift
\$to \$exe
\$targetrun -p \$targetport -l \$targetuser \$targethost "cd \$cwd && \$env \$exe \$@"
EOF
;;
adb)
\$touch \$run
;;
*) echo "Unknown targetrun '$targetrun'" >&4
exit 1
;;
esac
case "\$targetmkdir" in
*/Cross/mkdir)
cat >\$targetmkdir <<EOF
#!/bin/sh
\$targetrun -p \$targetport -l \$targetuser \$targethost "mkdir -p \$@"
EOF
\$chmod a+rx \$targetmkdir
;;
*) echo "Unknown targetmkdir '$targetmkdir'" >&4
exit 1
;;
esac
case
"\$targetto" in
scp|rcp)
cat >\$to <<EOF
#!/bin/sh
for f in \$@
do
case "\$f" in
/*)
\$targetmkdir `dirname \$f`
\$targetto -P \$targetport -r \$q \$f \$targetuser@\$targethost:\$f 2>/dev/null || exit 1
;;
*)
\$targetmkdir \$targetdir/\`dirname \$f`
\$targetto -P \$targetport -r \$q \$f \$targetuser@\$targethost:\$targetdir/\$f 2>/dev/null || exit 1
;;
esac

```

```

done
exit 0
EOF
;;
cp) cat >$to <<EOF
#!/bin/sh
for f in @$@
do
case "$f" in
/*)
$mkdir -p $targetdir/\`dirname $f\`
$cp $f $targetdir/$f || exit 1
;;
*)
$targetmkdir $targetdir/\`dirname $f\`
$cp $f $targetdir/$f || exit 1
;;
esac
done
exit 0
EOF
;;
*) echo "Unknown targetto '$targetto'" >&4
exit 1
;;
esac
case "$targetfrom" in
scp|rcp)
cat >$from <<EOF
#!/bin/sh
for f in @$@
do
$rm -f $f
$targetfrom -P $targetport $q $targetuser@$targethost:$targetdir/$f . || exit 1
done
exit 0
EOF
;;
cp) cat >$from <<EOF
#!/bin/sh
for
f in @$@
do
$rm -f $f
cp $targetdir/$f . || exit 1
done
exit 0
EOF

```

```

;;
*) echo "Unknown targetfrom '$targetfrom'" >&4
  exit 1
;;
esac
if $test ! -f $run; then
  echo "Target 'run' script '$run' not found." >&4
else
  $chmod a+rx $run
fi
if $test ! -f $to; then
  echo "Target 'to' script '$to' not found." >&4
else
  $chmod a+rx $to
fi
if $test ! -f $from; then
  echo "Target 'from' script '$from' not found." >&4
else
  $chmod a+rx $from
fi
if $test ! -f $run -o ! -f $to -o ! -f $from; then
  exit 1
fi
cat >&4 <<EOF

```

Using '\$run' for remote execution,  
and '\$from' and '\$to'  
for remote file transfer.

EOF

```

;;
*) run="
to=:
from=:
usecrosscompile="$undef"
targetarch="
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Cross.U
```

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

?RCS: \$Id: d\_wait4.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.



?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_wait4.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:01 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_wait4: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_wait4:

?S: This variable conditionally defines the HAS\_WAIT4 symbol, which

?S: indicates the wait4() routine is available.

?S:.

?C:HAS\_WAIT4 (WAIT4):

?C: This symbol, if defined, indicates that wait4() exists.

?C:.

?H:#\$d\_wait4 HAS\_WAIT4 /\*\*/

?H:.

?LINT:set d\_wait4

: see if there is a wait4

set

wait4 d\_wait4

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wait4.U

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

?RCS: \$Id: i\_varhdr.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_varhdr.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:54:42 ram

?RCS: patch61: varargs script now starts with leading "startsh"

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:21:02 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0.1.1 1994/05/13 15:26:05 ram

?RCS: patch27: this unit now supersedes old i\_stdarg.U and i\_varargs.U  
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)  
?RCS:  
?RCS: Revision 3.0  
1993/08/18 12:08:49 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_stdarg i\_varargs i\_varhdr: cat +cc +ccflags rm test Setvar \  
Findhdr startsh \_o  
?MAKE: -pick add \$@ %<  
?S:i\_stdarg:  
?S: This variable conditionally defines the I\_STDARG symbol, which  
?S: indicates to the C program that <stdarg.h> exists and should  
?S: be included.  
?S:.  
?S:i\_varargs:  
?S: This variable conditionally defines I\_VARARGS, which indicates  
?S: to the C program that it should include <varargs.h>.  
?S:.  
?S:i\_varhdr:  
?S: Contains the name of the header to be included to get va\_dcl definition.  
?S: Typically one of varargs.h or stdarg.h.  
?S:.  
?C:I\_STDARG:  
?C: This symbol, if defined, indicates that <stdarg.h> exists and should  
?C: be included.  
?C:.  
?C:I\_VARARGS:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <varargs.h>.  
?C:.  
?H:#\$i\_stdarg I\_STDARG /\*\*/  
?H:#\$i\_varargs I\_VARARGS /\*\*/  
?H:.  
?W:%<:va\_dcl  
?F:!varargs  
?T:valstd  
?LINT:set i\_stdarg i\_varargs  
?X:  
?X:  
Don't use setvar because the varargs test below might override these.  
?X: Actually, the messages here are just informative. We don't wish to set  
?X: i\_varargs or i\_stdarg to their final value before knowing which of the  
?X: two we'll include.  
?X:  
: see if stdarg is available  
echo " "  
if \$test `./findhdr stdarg.h`; then

```
echo "<stdarg.h> found." >&4
valstd="$define"
else
echo "<stdarg.h> NOT found." >&4
valstd="$undef"
fi
```

: see if varargs is available

```
echo " "
if $test `./findhdr varargs.h`; then
echo "<varargs.h> found." >&4
else
echo "<varargs.h> NOT found, but that's ok (I hope)." >&4
fi
```

?X:

?X: if you have stdarg.h, you need to support prototypes to actually use it;

?X: but if stdarg.h exists and the compiler doesn't support prototypes (for some

?X: bizarre reason), we'll fall back to varargs.h anyway so it's not so bad.

?X:

: set up the varargs testing programs

```
$cat > varargs.c <<EOP
```

```
#ifdef I_STDARG
```

```
#include <stdarg.h>
```

```
#endif
```

```
#ifdef I_VARARGS
```

```
#include <varargs.h>
```

```
#endif
```

```
#ifdef
```

```
  I_STDARG
```

```
  int f(char *p, ...)
```

```
  #else
```

```
  int f(va_alist)
```

```
  va_dcl
```

```
  #endif
```

```
  {
```

```
    va_list ap;
```

```
  #ifndef I_STDARG
```

```
    char *p;
```

```
  #endif
```

```
  #ifdef I_STDARG
```

```
    va_start(ap,p);
```

```
  #else
```

```
    va_start(ap);
```

```
    p = va_arg(ap, char *);
```

```
  #endif
```

```
    va_end(ap);
```

```

return 0;
}
EOP
$cat > varargs <<EOP
$startsh
if $cc -c $ccflags -D\ $1 varargs.c >/dev/null 2>&1; then
    echo "true"
else
    echo "false"
fi
$rm -f varargs$_o
EOP
chmod +x varargs

: now check which varargs header should be included
echo " "
i_varhdr="
val="
case "$valstd" in
"$define")
if `./varargs I_STDARG`; then
    val='stdarg.h'
elif `./varargs I_VARARGS`; then
    val='varargs.h'
fi
;;
*)
if `./varargs I_VARARGS`; then
    val='varargs.h'
fi
;;
esac
case "$val" in
")
echo " "
echo "*** WHOA THERE!!! ***" >&4
echo "  Your C compiler \"$cc\" doesn't seem to support stdarg or varargs!" >&4
case "$knowitall" in
")
echo "  I'm giving up; maybe you can try again with a different compiler?" >&4
exit 1
;;
esac
echo "I could not find the definition for va_dcl...
You have problems..." >&4
val="$undef"; set i_stdarg; eval $setvar
val="$undef"; set i_varargs; eval $setvar
;;

```

```

*)
set i_varhdr
eval $setvar
case "$i_varhdr" in
stdarg.h)
val="$define"; set i_stdarg; eval $setvar
val="$undef"; set i_varargs; eval $setvar
;;
varargs.h)
val="$undef"; set i_stdarg; eval $setvar
val="$define"; set i_varargs; eval $setvar
;;
esac
echo "We'll include <$i_varhdr> to get va_dcl definition." >&4;;
esac
$rm -f varargs*

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_varhdr.U

```

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```

/*
* $Id: setsid.C,v 3.0.1.1 1994/01/24 13:58:47 ram Exp ram $
*
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
* You may redistribute only under the terms of the Artistic Licence,
* as specified in the README file that comes with the distribution.
* You may reuse parts of this distribution only within the terms of
* that same Artistic Licence; a copy of which may be found at the root
* of the source tree for dist 4.0.
*
* $Log: setsid.C,v $
* Revision 3.0.1.1 1994/01/24 13:58:47 ram
* patch16: created
*
*/

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/setsid.C

```

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

```

?RCS: $Id: prefshell.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:

```

?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: prefshell.U,v \$  
?RCS: Revision 3.0.1.2 1994/10/29 16:28:13 ram  
?RCS: patch36: added SHELL temporary since metalint now sees \${SHELL}  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:11:47 ram  
?RCS: patch10: non-portable var substitution was used (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:34 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:prefshell: cat package Getfile Oldconfig ksh csh bash  
?MAKE: -pick add \$@ %<  
?S:prefshell:  
?S: This  
variable contains the eventual value of the PREFSHELL symbol,  
?S: which contains the full name of the preferred user shell on this  
?S: system. Usual values are /bin/csh, /bin/ksh, /bin/sh.  
?S:.  
?C:PREFSHELL:  
?C: This symbol contains the full name of the preferred user shell on this  
?C: system. Usual values are /bin/csh, /bin/ksh, /bin/sh.  
?C:.  
?H:#define PREFSHELL "\$prefshell" /\*\*/  
?H:.  
?T:SHELL  
: find out which shell people like to use most  
case "\$prefshell" in  
")  
case "\$ksh \$bash \$csh" in  
\*/ksh\*) dflt="\$ksh" ;;  
\*/bash\*) dflt="\$bash" ;;  
\*/csh\*) dflt="\$csh" ;;  
\*) dflt='/bin/sh' ;;  
esac  
;;  
\*) dflt="\$prefshell";;  
esac  
?X: Some shells (Ultrix) do not understand \${SHELL:-/bin/sh}, sigh!  
\$cat <<EOM

Give the full path name of the shell most people like to use on your system.

This will be used by \$package whenever the user wants to get a shell

escape (for instance) and is not necessarily the same as the shell you are currently using ( $\{\text{SHELL-}/\text{bin}/\text{sh}\}$ ).

EOM

```
fn=f/~
rp='Preferred
shell to be used?'
./getfile
prefshell=$ans
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/prefshell.U
```

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

```
?RCS: $Id: d_byacc.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1996, Andy Dougherty
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_byacc.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 15:31:14 ram
```

```
?RCS: patch61: created
```

```
?RCS:
```

```
?MAKE:d_byacc: byacc Setvar
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_byacc:
```

```
?S: This variable indicates whether byacc is available.
```

```
?S: If the user has specified 'portability', then Makefile.SH
```

```
?S: sees $byacc='byacc' whether or not the user actually has
```

```
?S: byacc. This variable allows us to determine in a makefile
```

```
?S: if we really
```

```
have byacc.
```

```
?S:.
```

```
?LINT:set d_byacc
```

```
: Check if we really have byacc
```

```
case "$byacc" in
```

```
"|byacc) val="$sundef" ;;
```

```
*) val="$define" ;;
```

```
esac
```

```
set d_byacc
```

```
eval $setvar
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_byacc.U

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?RCS: Copyright (c) 2018-2018, H.Merijn Brand

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_pipe2: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pipe2:

?S: This variable conditionally defines the HAS\_PIPE2 symbol, which

?S: indicates to the C program that the pipe2() routine is available

?S: to create an inter-process channel.

?S:.

?C:HAS\_PIPE2:

?C: This symbol, if defined, indicates that the pipe2 routine is

?C: available to create an inter-process channel.

?C:.

?H:#\$d\_pipe2 HAS\_PIPE2 /\*\*/

?H:.

?LINT:set d\_pipe2

: see if pipe2 exists

set pipe2 d\_pipe2

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_pipe2.U

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

?RCS: \$Id: Begin.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Begin.U,v \$



?RCS: Revision 3.0.1.3 1997/02/28 14:56:35 ram  
?RCS: patch61: added Extractall dependency  
?RCS:  
?RCS: Revision 3.0.1.2 1995/01/30 14:25:08 ram  
?RCS: patch49: avoid an empty rmlist: systems might choke on it (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/31 09:32:20 ram  
?RCS: patch44: created  
?RCS:  
?X:  
?X: This file comes after option processing had been done and after all  
?X: the default values have been set up. It marks the beginning  
of questions.  
?X: It is important that Options be listed \*after\* Myinit to ensure that the  
?X: default initializations performed by Init and Myinit will not clobber  
?X: any setting done on the command line via -D or -U.  
?X:  
?MAKE:Begin: Myinit Options package Extractall  
?MAKE: -pick add \$@ %<  
: Eunice requires " " instead of "", can you believe it  
echo " "  
: Here we go...  
echo "Beginning of configuration questions for \$package."

?X: Make sure the rm below is given a non-empty list for some systems.  
?X: This is run only when within the UU directory, hence we can safely  
?X: attempt to rm a non-existent 'X' file...  
trap 'echo " "; test -d ../UU && rm -rf X \$rmlist; exit 1' 1 2 3 15

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Begin.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_mkdtemp: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mkdtemp:  
?S: This variable conditionally defines the HAS\_MKDTEMP symbol, which  
?S: indicates to the C program that the mkdtemp() routine is available  
?S: to exclusively create a uniquely named temporary directory.  
?S:.

?C:HAS\_MKDTEMP :  
?C: This symbol, if defined, indicates that the mkdtemp routine is  
?C: available to exclusively create a uniquely named temporary directory.  
?C:.  
?H:#\$d\_mkdtemp HAS\_MKDTEMP /\*\*/  
?H:.  
?LINT:set d\_mkdtemp  
: see if mkdtemp exists  
set mkdtemp d\_mkdtemp  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mkdtemp.U

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

?RCS: \$Id: i\_utime.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_utime.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:47 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_utime: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_utime:  
?S: This variable conditionally defines the I\_UTIME symbol, and indicates  
?S: whether a C program should include <utime.h>.  
?S:.  
?C:I\_UTIME:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <utime.h>.  
?C:.  
?H:#\$i\_utime I\_UTIME /\*\*/  
?H:.  
?LINT:set i\_utime  
:  
see if this is an utime system  
set utime.h i\_utime  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_utime.U

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

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_frexp! Inlibc

?MAKE: -pick add \$@ %<

?S:d\_frexp!

?S: This variable conditionally defines the HAS\_FREXP symbol, which

?S: indicates to the C program that the frexp() routine is available.

?S:.

?C:HAS\_FREXP!

?C: This symbol, if defined, indicates that the frexp routine is

?C: available to break a long double floating-point number into

?C: a normalized fraction and an integral power of 2.

?C:.

?H:#\$d\_frexp! HAS\_FREXP! /\*\*/

?H:.

?LINT:set d\_frexp!

: see if frexp exists

set frexp d\_frexp!

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_frexp.U

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

?RCS: \$Id: usrinc.U,v 1.1 2000/06/27 00:20:28 jhi Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: usrinc.U,v \$

?RCS: Revision 1.1 2000/06/27 00:20:28 jhi

?RCS: Initial revision

?RCS:  
?RCS: Revision 3.0.1.3 1997/02/28 16:27:12 ram  
?RCS: patch61: don't ask for the include path unless they are on a MIPS  
?RCS:  
?RCS: Revision 3.0.1.2 1995/05/12 12:24:36 ram  
?RCS: patch54: ensure that ./mips always exists (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:18:31 ram  
?RCS: patch23: ensure usrinc value is preserved across sessions (WED)  
?RCS:  
?RCS: Revision  
3.0 1993/08/18 12:09:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:usrinc incpath mips\_type: test cat echo n c Getfile Guess \  
Oldconfig eunicefix contains rm sysroot cc  
?MAKE: -pick add \$@ %<  
?S:usrinc:  
?S: This variable holds the path of the include files, which is  
?S: usually /usr/include. It is mainly used by other Configure units.  
?S:.  
?S:incpath:  
?S: This variable must precede the normal include path to get the  
?S: right one, as in "\$incpath/usr/include" or "\$incpath/usr/lib".  
?S: Value can be "" or "/bsd43" on mips.  
?S:.  
?S:mips\_type:  
?S: This variable holds the environment type for the mips system.  
?S: Possible values are "BSD 4.3" and "System V".  
?S:.  
?D:usrinc=/usr/include'  
?LINT:extern cppflags  
?LINT:create mips  
?T:xxx\_prompt  
?F:./mips  
: What should the include directory be ?  
: Use sysroot if set, so findhdr looks in the right place.  
echo " "  
\$echo \$n "Hmm... \$c"  
dflt="\$sysroot/usr/include"  
incpath="  
?X: mips\_type is used later, to add -DSYSTYPE\_BSD43  
to cppflags if needed.  
mips\_type="  
?X:  
?X: Cannot put the following in Guess, or we get a circular dependency.  
?X:  
if \$test -f /bin/mips && /bin/mips; then

```

echo "Looks like a MIPS system..."
$cat >usr.c <<'EOCP'
#ifdef SYSTYPE_BSD43
/bsd43
#endif
EOCP
if $cc $cppflags -E usr.c > usr.out && $contains /usr.out >/dev/null 2>&1; then
dflt='/bsd43/usr/include'
incpath='/bsd43'
mips_type='BSD 4.3'
else
mips_type='System V'
fi
$rm -f usr.c usr.out
echo "and you're compiling with the $mips_type compiler and libraries."
xxx_prompt=y
echo "exit 0" >mips
else
echo "Doesn't look like a MIPS system."
xxx_prompt=n
echo "exit 1" >mips
fi
chmod +x mips
$unicefix mips
case "$usrinc" in
") ;;
*) dflt="$usrinc";;
esac
case "$xxx_prompt" in
y) fn=d/
echo " "
rp='Where are the include files you want to use?'
./getfile
usrinc="$ans"
;;
*) usrinc="$dflt"
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/usrinc.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_lgamma\_r: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_lgamma\_r:  
?S: This variable conditionally defines the HAS\_LGAMMA\_R symbol, which  
?S: indicates to the C program that the lgamma\_r() routine is available  
?S: for the log gamma function, without using the global signgam variable.  
?S:.  
?C:HAS\_LGAMMA\_R:  
?C: This symbol, if defined, indicates that the lgamma\_r routine is  
?C: available to do the log gamma function without using the global  
?C: signgam variable.  
?C:.  
?H:#\$d\_lgamma\_r HAS\_LGAMMA\_R /\*\*/  
?H:.  
?LINT:set d\_lgamma\_r  
: see if lgamma\_r exists  
set lgamma\_r d\_lgamma\_r  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lgamma\_r.U

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?RCS: \$Id: d\_uwait.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_uwait.U,v \$  
?RCS: Revision 3.0.1.1 1994/01/24 14:10:49 ram  
?RCS: patch16: added knowledge about wait3()  
?RCS: patch16: revised 'union wait' look-up algorithm  
?RCS: patch16: fixed make dependency line accordingly  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:54 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_uwait d\_uwait3: cat contains cppstdin cppminus +cppflags rm \  
Setvar Findhdr  
?MAKE: -pick add \$@ %<  
?S:d\_uwait:  
?S: This symbol

conditionally defines UNION\_WAIT which indicates to the C

?S: program that argument for the wait() system call should be declared as

?S: 'union wait status' instead of 'int status'.

?S:.

?S:d\_uwait3:

?S: This symbol conditionally defines UNION\_WAIT3 which indicates to the C

?S: program that the first argument for the wait3() system call should be

?S: declared as 'union wait status' instead of 'int status'.

?S:.

?C:UNION\_WAIT:

?C: This symbol if defined indicates to the C program that the argument

?C: for the wait() system call should be declared as 'union wait status'

?C: instead of 'int status'. You probably need to include <sys/wait.h>

?C: in the former case (see I\_SYSWAIT).

?C:.

?C:UNION\_WAIT3:

?C: This symbol if defined indicates to the C program that the first argument

?C: for the wait3() system call should be declared as 'union wait status'

?C: instead of 'int status'. You probably need to include <sys/wait.h>

?C: in the former case (see I\_SYSWAIT). It seems safe to assume that

the

?C: same rule applies to the second parameter of wait4().

?C:.

?H:#\$d\_uwait UNION\_WAIT /\*\*/

?H:#\$d\_uwait3 UNION\_WAIT3 /\*\*/

?H:.

?T:val2 flags f also

?LINT:set d\_uwait d\_uwait3

: see if union wait is available

echo " "

?X:

?X: Unfortunately, we can't just grep <sys/wait.h> for "union wait" because

?X: some weird systems (did I hear HP-UX?) define union wait only when \_BSD

?X: is defined. The same thing happens on OSF/1, who is pushing weirdness to

?X: its limits by requiring wait() to use (int \*) but wait3() to use

?X: (union wait \*), unless \_BSD is defined and -lbsd is used, in which case

?X: wait() also expects (union wait \*). Aaargh!--RAM

?X:

set X \$cppflags

shift

flags="

also="

for f in \$\*; do

case "\$f" in

\*NO\_PROTO\*) ;;

\*) flags="\$flags \$f";;

esac

done

```

$cat `./findhdr sys/wait.h` /dev/null | \
$ccpstdin $flags $ccpminus >wait.out 2>/dev/null
if $contains 'union.*wait.*{' wait.out >/dev/null 2>&1 ; then
echo "Looks like your <sys/wait.h> knows about 'union wait'..."
>&4
val="$define"
@if UNION_WAIT
also='also '
if $contains 'extern.*wait[ ]*([ ]*int' wait.out >/dev/null 2>&1
then
echo "But wait() seems to expect an 'int' pointer (POSIX way)." >&4
val="$undef"
also="
elif $contains 'extern.*wait[ ]*([ ]*union' wait.out >/dev/null 2>&1
then
echo "And indeed wait() expects an 'union wait' pointer (BSD way)." >&4
else
echo "So we'll use that for wait()." >&4
fi
@end
@if UNION_WAIT3 || d_uwait3
val2="$define"
@end
@if UNION_WAIT3
if $contains 'extern.*wait3[ ]*([ ]*int' wait.out >/dev/null 2>&1
then
echo "However wait3() seems to expect an 'int' pointer, weird." >&4
val2="$undef"
elif $contains 'extern.*wait3[ ]*([ ]*union' wait.out >/dev/null 2>&1
then
echo "And wait3() ${also}expects an 'union wait' pointer, fine." >&4
else
echo "As expected, wait3() ${also}uses an 'union wait' pointer." >&4
fi
@end
else
echo "No trace of 'union wait' in <sys/wait.h>..." >&4
val="$undef"
@if UNION_WAIT && UNION_WAIT3
echo
"Both wait() and wait3() will use a plain 'int' pointer then." >&4
@elsif UNION_WAIT
echo "Your wait() should be happy with a plain 'int' pointer." >&4
@elsif UNION_WAIT3
echo "Your wait3() should be happy with a plain 'int' pointer." >&4
@end
fi
set d_uwait

```



```
eval $setvar
@if UNION_WAIT3 || d_uwait3
val="$val2"; set d_uwait3
eval $setvar
@end
$rm -f wait.out
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_uwait.U
```

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

```
?RCS: $Id: mailfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: mailfile.U,v $
?RCS: Revision 3.0.1.2 1994/10/29 16:24:57 ram
?RCS: patch36: the Loc unit was missing from the dependency line
?RCS:
?RCS: Revision 3.0.1.1 1993/12/15 08:22:08 ram
?RCS: patch15: now also looks under /var/mail for BSD/386
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:11 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:mailfile: Myread Oldconfig Filexp Loc
?MAKE: -pick add $@ %<
?S:mailfile:
?S: This variable contains
the eventual value of the MAILFILE symbol,
?S: which contains an interpretable name of the mail spool file for the
?S: current user.
?S:.
?C:MAILFILE:
?C: This symbol contains the interpretable name of the mail spool file
?C: for the current user. The program must be prepared to substitute
?C: the HOME directory for %~, and the login id for %L.
?C:.
?H:#define MAILFILE "$mailfile" /**/
?H:.
: determine where mail is spooled
```

```

case "$mailfile" in
")
dflt=`./loc . XXX /usr/spool/mail /usr/mail /var/mail`
case "$dflt" in
XXX) dflt='%~/mailbox';;
*) dflt="$dflt/%L";;
esac
;;
*) dflt="$mailfile"
;;
esac
cat <<'EOM'

```

In the following question, you may use %~ to represent the user's home directory, and %L to represent a users name.

```

EOM
rp='In which file is yet-to-be-read mail spooled? (~name ok)'
./myread
mailfile=`./filexp "$ans"`

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/mailfile.U

```

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

```

?RCS: $Id: i_db.U,v 3.0.1.3 1995/07/25 14:10:22 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: i_db.U,v $
?RCS: Revision 3.0.1.3 1995/07/25 14:10:22 ram
?RCS: patch56: conditionally use const in test programs (ADO)
?RCS:
?RCS: Revision 3.0.1.2 1995/05/12 12:14:42 ram
?RCS: patch54: extended for more intimate DB probing (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:21:50 ram
?RCS: patch32: created by ADO
?RCS:

```

```
?MAKE:i_db db_hashtype db_prefixtype \
db_version_major
db_version_minor db_version_patch : \
Inhdr +cc +ccflags rm_try contains cat \
Compile libs sed run i_stdlib
?MAKE: -pick add $@ %<
?S:i_db:
?S: This variable conditionally defines the I_DB symbol, and indicates
?S: whether a C program may include Berkeley's DB include file <db.h>.
?S:.
?S:db_hashtype:
?S: This variable contains the type of the hash structure element
?S: in the <db.h> header file. In older versions of DB, it was
?S: int, while in newer ones it is u_int32_t.
?S:.
?S:db_prefixtype:
?S: This variable contains the type of the prefix structure element
?S: in the <db.h> header file. In older versions of DB, it was
?S: int, while in newer ones it is size_t.
?S:.
?S:db_version_major:
?S: This variable contains the major version number of
?S: Berkeley DB found in the <db.h> header file.
?S:.
?S:db_version_minor:
?S: This variable contains the minor version number of
?S: Berkeley DB found in the <db.h> header file.
?S: For DB version 1 this is always 0.
?S:.
?S:db_version_patch:
?S: This
variable contains the patch version number of
?S: Berkeley DB found in the <db.h> header file.
?S: For DB version 1 this is always 0.
?S:.
?C:I_DB:
?C: This symbol, if defined, indicates to the C program that it should
?C: include Berkeley's DB include file <db.h>.
?C:.
?C:DB_Prefix_t:
?C: This symbol contains the type of the prefix structure element
?C: in the <db.h> header file. In older versions of DB, it was
?C: int, while in newer ones it is u_int32_t.
?C:.
?C:DB_Hash_t:
?C: This symbol contains the type of the prefix structure element
?C: in the <db.h> header file. In older versions of DB, it was
?C: int, while in newer ones it is size_t.
```

```

?C:.
?C:DB_VERSION_MAJOR_CFG:
?C: This symbol, if defined, defines the major version number of
?C: Berkeley DB found in the <db.h> header when Perl was configured.
?C:.
?C:DB_VERSION_MINOR_CFG:
?C: This symbol, if defined, defines the minor version number of
?C: Berkeley DB found in the <db.h> header when Perl was configured.
?C: For
DB version 1 this is always 0.
?C:.
?C:DB_VERSION_PATCH_CFG:
?C: This symbol, if defined, defines the patch version number of
?C: Berkeley DB found in the <db.h> header when Perl was configured.
?C: For DB version 1 this is always 0.
?C:.
?H:#$i_db I_DB /**/
?H:#define DB_Hash_t $db_hashtype /**/
?H:#define DB_Prefix_t $db_prefixtype /**/
?H:#define DB_VERSION_MAJOR_CFG $db_version_major /**/
?H:#define DB_VERSION_MINOR_CFG $db_version_minor /**/
?H:#define DB_VERSION_PATCH_CFG $db_version_patch /**/
?H:.
?F:!try
?LINT:change libs
: see if this is a db.h system
set db.h i_db
eval $inhdr

case "$i_db" in
$define)
: Check db version.
echo " "
echo "Checking Berkeley DB version ..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#include <db.h>
int main(int argc, char *argv[])
{
#ifdef DB_VERSION_MAJOR /* DB version >= 2 */
int Major, Minor, Patch ;
unsigned long Version ;
(void)db_version(&Major,

```

```

&Minor, &Patch) ;
if (argc == 2) {
    printf("%d %d %d %d %d %d\n",
        DB_VERSION_MAJOR, DB_VERSION_MINOR, DB_VERSION_PATCH,
        Major, Minor, Patch);
    exit(0);
}
printf("You have Berkeley DB Version 2 or greater.\n");

printf("db.h is from Berkeley DB Version %d.%d.%d\n",
DB_VERSION_MAJOR, DB_VERSION_MINOR, DB_VERSION_PATCH);
printf("libdb is from Berkeley DB Version %d.%d.%d\n",
Major, Minor, Patch) ;

/* check that db.h & libdb are compatible */
if (DB_VERSION_MAJOR != Major || DB_VERSION_MINOR != Minor || DB_VERSION_PATCH != Patch) {
printf("db.h and libdb are incompatible.\n") ;
    exit(3);
}

printf("db.h and libdb are compatible.\n") ;

Version = DB_VERSION_MAJOR * 1000000 + DB_VERSION_MINOR * 1000
+ DB_VERSION_PATCH ;

/* needs to be >= 2.3.4 */
if (Version < 2003004) {
/* if (DB_VERSION_MAJOR == 2 && DB_VERSION_MINOR == 0 && DB_VERSION_PATCH < 5) { */
printf("Perl needs
Berkeley DB 2.3.4 or greater.\n") ;
    exit(2);
}

    exit(0);
#else
#if defined(_DB_H_) && defined(BTREEMAGIC) && defined(HASHMAGIC)
    if (argc == 2) {
        printf("1 0 0\n");
        exit(0);
    }
    printf("You have Berkeley DB Version 1.\n");
    exit(0); /* DB version < 2: the coast is clear. */
#else
    exit(1); /* <db.h> not Berkeley DB? */
#endif
#endif
}
EOCP

```

```

set try
if eval $compile_ok && $run ./try; then
echo 'Looks OK.' >&4
set ` $run ./try 1 `
db_version_major=$1
db_version_minor=$2
db_version_patch=$3
else
echo "I can't use Berkeley DB with your <db.h>. I'll disable Berkeley DB." >&4
i_db=$undef
case " $libs " in
*" -ldb "*)
: Remove db from list of libraries to use
echo "Removing unusable -ldb from library list" >&4
set `echo X $libs | $sed -e 's/-ldb //' -e 's/-ldb$//'`
shift
libs="$*"
echo "libs = $libs" >&4
;;
esac
fi
$rm_try
;;
esac

@if DB_Hash_t
case "$i_db" in
define)
: Check the return type needed
for hash
echo " "
echo "Checking return type needed for hash for Berkeley DB ..." >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <db.h>

#ifdef DB_VERSION_MAJOR
u_int32_t hash_cb (const void* ptr, size_t size)
{
return 0;
}
HASHINFO info;
int main()
{
info.hash = hash_cb;
}
#endif
EOCP

```

```

if $cc $cflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
  db_hashtype='int'
else
  db_hashtype='u_int32_t'
fi
else
: XXX Maybe we should just give up here.
db_hashtype=u_int32_t
$cat try.out >&4
echo "Help: I can't seem to compile the db test program." >&4
echo "Something's wrong, but I'll assume you use $db_hashtype." >&4
fi
$rm_try
echo "Your version of Berkeley DB uses $db_hashtype for hash."
;;
*) db_hashtype=u_int32_t
;;
esac
@end
@if DB_Prefix_t
case "$i_db" in
define)
: Check the return type needed for prefix
echo " "
echo "Checking return type needed for prefix for Berkeley DB ..." >&4
cat >try.c <<EOCP
#include
<sys/types.h>
#include <db.h>

#ifdef DB_VERSION_MAJOR
size_t prefix_cb (const DBT *key1, const DBT *key2)
{
return 0;
}
BTREEINFO info;
int main()
{
info.prefix = prefix_cb;
}
#endif
EOCP
if $cc $cflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
  db_prefixtype='int'
else
  db_prefixtype='size_t'

```

```

fi
else
db_prefixtype='size_t'
: XXX Maybe we should just give up here.
$cat try.out >&4
echo "Help: I can't seem to compile the db test program." >&4
echo "Something's wrong, but I'll assume you use $db_prefixtype." >&4
fi
$rm_try
echo "Your version of Berkeley DB uses $db_prefixtype for prefix."
;;
*) db_prefixtype='size_t'
;;
esac
@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_db.U

```

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

```

?RCS: $Id: sbrktype.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: sbrktype.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:43 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:sbrktype: Myread Oldconfig Loc contains Findhdr
?MAKE: -pick add $@ %<
?S:sbrktype:
?S: This variable defines sbrktype to be something like caddr_t, char *,
?S: or whatever type is used to declare sbrk() in the kernel.
?S:.
?C:Caddr_t (SBRKTYPE):
?C: This symbol holds the type of a core address. It is inteded to be used
?C: to safely
declare the return type of system calls like sbrk(). It might
?C: be necessary to include <sys/types.h> as well.
?C:.
?H:#define Caddr_t $sbrktype /* <core address> type */

```



```
?H:
: see what type sbrk is declared as in the kernel
case "$sbrktype" in
")
if $contains 'caddr_t;' `./findhdr sys/types.h` >/dev/null 2>&1 ; then
  dflt='caddr_t';
else
  dflt='char *';
fi
;;
*) dflt="$sbrktype"
;;
esac
echo " "
rp="What is the return type of sbrk() on this system?"
./myread
sbrktype="$ans"
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sbrktype.U
```

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

```
?RCS: $Id: d_closedir.U,v 3.0.1.3 1997/02/28 15:31:26 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_closedir.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:31:26 ram
?RCS: patch61: added ?F: metalint hint
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:11:18 ram
?RCS: patch36: added 'ldflags' to the test compile line (ADO)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:07:21 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_closedir d_void_closedir: Inlibc i_dirent i_sysdir i_sysndir
\
i_systypes Compile Setvar rm_try run
```

```
?MAKE: -pick add $@ %<
?S:d_closedir:
?S: This variable conditionally defines HAS_CLOSEDIR if closedir() is
?S: available.
?S:.
?C:HAS_CLOSEDIR:
?C: This symbol, if defined, indicates that the closedir() routine is
?C: available.
?C:.
?H:#$d_closedir HAS_CLOSEDIR /**/
?H:.
?S:d_void_closedir:
?S: This variable conditionally defines VOID_CLOSEDIR if closedir()
?S: does not return a value.
?S:.
?C:VOID_CLOSEDIR:
?C: This symbol, if defined, indicates that the closedir() routine
?C: does not return a value.
?C:.
?H:#$d_void_closedir VOID_CLOSEDIR /**/
?H:.
?F:!try
?LINT:set d_closedir d_void_closedir
: see if closedir exists
set closedir d_closedir
eval $inlibc
```

```
@if VOID_CLOSEDIR || d_void_closedir
?X: The following contortions are designed so we can call closedir()
?X: and check whether it returns a value. The contortions are designed
?X: to portably pick up the correct directory header, for those
?X: systems that support various mutually incompatible
directory functions.
?X: This is from perl5's perl.h
case "$d_closedir" in
"$define")
echo " "
echo "Checking whether closedir() returns a status..." >&4
cat > try.c <<EOM
#$i_dirent I_DIRENT /**/
#$i_sysdir I_SYS_DIR /**/
#$i_sysndir I_SYS_NDIR /**/
#$i_systypes I_SYS_TYPES /**/

#if defined(I_SYS_TYPES)
#include <sys/types.h>
#endif
#if defined(I_DIRENT)
```

```

#include <dirent.h>
#else
#ifdef I_SYS_NDIR
#include <sys/ndir.h>
#else
#ifdef I_SYS_DIR
#include <sys/dir.h>
#endif
#endif
#endif
int main() { return closedir(opendir(".")); }
EOM
set try
if eval $compile_ok; then
if $run ./try > /dev/null 2>&1 ; then
echo "Yes, it does."
val="$undef"
else
echo "No, it doesn't."
val="$define"
fi
else
echo "(I can't seem to compile the test program--assuming it doesn't)"
val="$define"
fi
;;
*)
val="$undef";
;;
esac
set d_void_closedir
eval $setvar
$rm_try
@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_closedir.U
```

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

?RCS: \$Id: d\_crypt.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_crypt.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:31:47 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_crypt cryptlib: Loc test xlibpth libpth Csym Setvar \_a Inlibc

?MAKE: -pick add \$@ %<

?S:d\_crypt:

?S: This variable conditionally defines the CRYPT symbol, which

?S: indicates to the C program that the crypt() routine is available

?S: to

encrypt passwords and the like.

?S:.

?S:cryptlib:

?S: This variable holds -lcrypt or the path to a libcrypt.a archive if

?S: the crypt() function is not defined in the standard C library. It is

?S: up to the Makefile to use this.

?S:.

?C:HAS\_CRYPT (CRYPT):

?C: This symbol, if defined, indicates that the crypt routine is available

?C: to encrypt passwords and the like.

?C:.

?H:#\$d\_crypt HAS\_CRYPT /\*\*/

?H:.

?LINT:set d\_crypt

?T:val

: see if crypt exists

echo " "

set crypt d\_crypt

eval \$inlibc

case "\$d\_crypt" in

\$define) cryptlib=" " ;

\*) if set crypt val -f d\_crypt; eval \$csym; \$val; then

echo 'crypt() found.' >&4

val="\$define"

cryptlib="

else

cryptlib=`./loc Slibcrypt\$\_a "" \$xlibpth`

if \$test -z "\$cryptlib"; then

cryptlib=`./loc Mlibcrypt\$\_a "" \$xlibpth`

else

cryptlib=-lcrypt

fi

if \$test -z "\$cryptlib"; then

```

cryptlib=`./loc Llibcrypt$_a "" $xlibpth`
else
cryptlib=-lcrypt
fi
if $test -z "$cryptlib"; then
cryptlib=`./loc libcrypt$_a ""
$libpth`
else
cryptlib=-lcrypt
fi
if $test -z "$cryptlib"; then
echo 'crypt() NOT found.' >&4
val="$undef"
else
val="$define"
fi
fi
set d_crypt
eval $setvar
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_crypt.U

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

?RCS: \$Id: sitescript.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: sitescript.U,v \$

?RCS:

?MAKE:sitescript sitescriptexp installsitescript : Getfile Oldconfig test \

Setprefixvar sitebin siteprefix

?MAKE: -pick add \$@ %<

?Y:TOP

?D:sitescript="

?S:sitescript:

?S: This variable holds the name of the directory in which the user wants

?S: to put add-on publicly executable files for the package in question. It

?S: is most often a local directory such as /usr/local/bin. Programs using

?S: this variable must be prepared to deal with ~name substitution.

?S: The standard distribution will put nothing in this directory.

?S: After perl has been installed, users may install their own local scripts in this directory with

?S: MakeMaker Makefile.PL or equivalent. See INSTALL for details.

?S:.

?D:sitescriptexp="

?S:sitescriptexp:

?S: This is the same as the sitescript variable, but is filename expanded at configuration time, for use in your makefiles.

?S:.

?D:installsitescript="

?S:installsitescript:

?S: This variable is usually the same as sitescriptexp, unless you are on a system running AFS, in which case they may differ slightly. You should always use this variable within your makefiles for portability.

?S:.

?LINT:change prefixvar

?LINT:set installsitescript

?LINT:set sitescript

?LINT:set sitescriptexp

: determine where add-on public executable scripts go

case "\$sitescript" in

\*) dflt=\$siteprefix/script

\$test -d \$dflt || dflt=\$sitebin ;;

\*) dflt="\$sitescript" ;;

esac

fn=d~+

rp='Pathname where add-on public executable scripts should be installed?'

./getfile

prefixvar=sitescript

./setprefixvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitescript.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: errnolist.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:48:01 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS: patch61: likewise for .o replaced by \$\_o

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:10:54 ram

?RCS: patch16: created

?RCS:

?MAKE:errnolist errnolist\_SH errnolist\_a errnolist\_c errnolist\_o: cat +cc \  
+ccflags +libs +d\_sysernlst\_a\_o

?MAKE: -pick add \$@ %<

?S:errnolist:

?S: This variable holds the base name of a file containing the

?S: definition of the sys\_errnolist

array, if the C library

?S: doesn't provide it already. Otherwise, its value is empty.

?S: The following lines should be included in your Makefile.SH:

?S:

?S: case "\$serrnolist" in

?S: ") ;;

?S: \*)

?S: \$spitshell >>Makefile <<!GROK!THIS!

?S: \$serrnolist\_c: \$serrnolist\_SH \$serrnolist\_a

?S: sh ./serrnolist\_SH

?S:

?S: !GROK!THIS!

?S: ;;

?S: esac

?S:

?S: You may define the 'errnolist' variable in your Myinit.U if you

?S: wish to override its default value "errnolist".

?S:.

?S:errnolist\_SH:

?S: This is the name of a file which will generate errnolistic.

?S:.

?S:errnolist\_a:

?S: This is the name of the awk script called by errnolist\_SH.

?S:.

?S:errnolist\_c:

?S: This is the name of a generated C file which provides the

?S: definition of the sys\_errnolist array.

?S:.

?S:errnolist\_o:

?S: This is the name of the object file which provides the

?S: definition of the sys\_errnolist array, if the C library

```

?S: doesn't provide it already. Otherwise, its value is empty.
?S:.
?INIT:errnolist=errnolist
:
check for sys_errnolist
@if d_sysernlst || HAS_SYS_ERRNOLIST
case "$d_sysernlst" in
"$define")
    errnolist="
    errnolist_SH="
    errnolist_a="
    errnolist_c="
    errnolist_o="
;;
*)
echo " "
echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"
    errnolist_SH=$errnolist.SH
    errnolist_a=$errnolist$_a
    errnolist_c=$errnolist.c
    errnolist_o=$errnolist$_o
;;
esac
@else
echo " "
$cat <<EOM
Checking to see if your C library provides us with sys_errnolist[...]
EOM
$cat >errnolist.c <<'EOCP'
extern char *sys_errnolist[];
int main() {
    char *p0 = sys_errnolist[0];
    char *p1 = sys_errnolist[1];

    return (p0 == p1); /* Make sure they're not optimized away */
}
EOCP
if $cc $ccflags -o errnolist errnolist.c $libs >/dev/null 2>&1 ; then
    echo "It does."
    errnolist="
    errnolist_SH="
    errnolist_a="
    errnolist_c="
    errnolist_o="
else
    echo "I'll make sure your Makefile provides sys_errnolist in $errnolist.c"

```



```
errnolist_SH=$errnolist.SH
errnolist_a=$errnolist$_a
errnolist_c=$errnolist.c
errnolist_o=$errnolist$_o
fi
@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/errnolist.U
```

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

```
?RCS: $Id: h_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: h_fcntl.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:08:12 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:h_fcntl: Nothing
```

```
?MAKE: -pick add $@ %<
```

```
?S:h_fcntl:
```

```
?S: This is variable gets set in various places to tell i_fcntl that
```

```
?S: <fcntl.h> should be included.
```

```
?S:.
```

```
: Initialize h_fcntl
```

```
h_fcntl=false
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/h_fcntl.U
```

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

```
?RCS: $Id: i_time.U,v 3.0 1993/08/18 12:08:45 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: i\_time.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit finds which "time" include to use. If 'timezone' is used by the

?X: program, we also try to find which header should be included. Eventually,

?X: we look for <sys/select.h> if I\_SYSSSELECT is used, to get struct timeval.

?X:

?MAKE:i\_time i\_systime i\_systimek timeincl d\_tm\_tm\_zone d\_tm\_tm\_gmtoff: \  
 Compile cat \  
 contains rm\_try echo n  
 c +i\_sysselect Findhdr Hasfield i\_stdlib

?MAKE: -pick add \$@ %<

?S:i\_time:

?S: This variable unconditionally defines I\_TIME, which indicates

?S: to the C program that it should include <time.h>.

?S:.

?S:i\_systime:

?S: This variable conditionally defines I\_SYS\_TIME, which indicates

?S: to the C program that it should include <sys/time.h>.

?S:.

?S:i\_systimek:

?S: This variable conditionally defines I\_SYS\_TIME\_KERNEL, which

?S: indicates to the C program that it should include <sys/time.h>

?S: with KERNEL defined.

?S:.

?S:timeincl:

?S: This variable holds the full path of the included time header(s).

?S:.

?S:d\_tm\_tm\_zone:

?S: This variable conditionally defines HAS\_TM\_TM\_ZONE, which indicates

?S: indicates to the C program that the struct tm has the tm\_zone field.

?S:.

?S:d\_tm\_tm\_gmtoff:

?S: This variable conditionally defines HAS\_TM\_TM\_GMTOFF, which indicates

?S: indicates to the C program that the struct tm has the tm\_gmtoff field.

?S:.

?C:I\_TIME (USE\_TIME\_H):

?C: This symbol is always defined,

and indicates to the C program that

?C: it should include <time.h>.

?C:.

?C:I\_SYS\_TIME (I\_SYSTIME USE\_SYS\_TIME\_H NO\_TIME\_WITH\_SYS\_TIME):

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/time.h>.

```

?C:.
?C:I_SYS_TIME_KERNEL (I_SYSTIMEKERNEL):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/time.h> with KERNEL defined.
?C:.
?C:HAS_TM_TM_ZONE:
?C: This symbol, if defined, indicates to the C program that
?C: the struct tm has a tm_zone field.
?C:.
?C:HAS_TM_TM_GMTOFF:
?C: This symbol, if defined, indicates to the C program that
?C: the struct tm has a tm_gmtoff field.
?C:.
?H:#$i_time I_TIME /**/
?H:#$i_systime I_SYS_TIME /**/
?H:#$i_systimek I_SYS_TIME_KERNEL /**/
?H:#$d_tm_tm_zone HAS_TM_TM_ZONE /**/
?H:#$d_tm_tm_gmtoff HAS_TM_TM_GMTOFF /**/
?H:.
?W::timezone
?T:xselect flags sysselect s_timeval s_timezone
?LINT:change i_sysselect
?LINT:set d_tm_tm_zone
?LINT:set d_tm_tm_gmtoff
: see if we should include
sys/time.h
echo " "
i_time='define'
if test "$timeincl" = X; then
echo "Testing to see if we should include <sys/time.h>." >&4
$echo $n "I'm now running the test program...$c"
$cat >try.c <<EOCP
#include <sys/types.h>
#include <time.h>
#ifdef I_SYSTIME
#ifdef SYSTIMEKERNEL
#define KERNEL
#endif
#include <sys/time.h>
#endif
#ifdef I_SYSSELECT
#include <sys/select.h>
#endif
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main()

```

```

{
    struct tm foo;
#ifdef S_TIMEVAL
    struct timeval bar;
#endif
#ifdef S_TIMEZONE
    struct timezone tzp;
#endif
    if (foo.tm_sec == foo.tm_sec)
        exit(0);
#ifdef S_TIMEVAL
    if (bar.tv_sec == bar.tv_sec)
        exit(0);
#endif
    exit(1);
}
EOCP
flags="
@if I_SYSSSELECT
if $contains 'timeval.*{'`./findhdr sys/select.h` >/dev/null 2>&1; then
    xselect='-DI_SYSSSELECT'
else
    xselect="
fi
@end
@if timezone
for s_timezone in '-DS_TIMEZONE' "; do
@else
s_timezone="
@end
?X: Every package is given a try with 'struct timeval'
@if I_SYSSSELECT
for
sysselect in $xselect "; do
@else
sysselect="
@end
for s_timeval in '-DS_TIMEVAL' "; do
for i_systimek in " '-DSYSTIMEKERNEL'; do
for i_systime in '-DI_SYSTIME' "; do
case "$flags" in
") $echo $n ". $c"
set try $i_systime $i_systimek $sysselect $s_timeval $s_timezone
if eval $compile; then
set X $i_systime $i_systimek $sysselect $s_timeval
shift
flags="$*"
echo " "

```

```

    $echo $n "Succeeded with $flags$c"
fi
;;
esac
done
done
done
done
@if I_SYSSELECT
done
@end
@if timezone
done
@end
timeincl="
echo " "
case "$flags" in
*SYSTIMEKERNEL*) i_systimek="$define"
timeincl=`./findhdr sys/time.h`
echo "We'll include <sys/time.h> with KERNEL defined." >&4;;
*) i_systimek="$undef";;
esac
case "$flags" in
*_I_SYSTIME*) i_systime="$define"
timeincl=`./findhdr sys/time.h` "$timeincl"
echo "We'll include <sys/time.h>." >&4;;
*) i_systime="$undef";;
esac
@if I_SYSSELECT
case "$flags" in
*_I_SYSSELECT*) i_syssselct="$define"
timeincl=`./findhdr
sys/select.h` "$timeincl"
echo "We'll also include <sys/select.h> to get struct timeval." >&4;;
*) case "$i_syssselct" in
") i_syssselct="$undef";;
esac
esac
@end
$rm_try
fi
: see if struct tm knows about tm_zone
case "$i_systime$i_time" in
*$define*)
echo " "
echo "Checking to see if your struct tm has tm_zone field..." >&4
set d_tm_tm_zone tm tm_zone $i_systime sys/time.h $i_time time.h
eval $hasfield
;;

```

```

*)    val="$undef"
      set d_tm_tm_zone
      eval $setvar
      ;;
esac
case "$d_tm_tm_zone" in
"$define")    echo "Yes, it does." ;;
*)           echo "No, it doesn't." ;;
esac
: see if struct tm knows about tm_gmtoff
case "$i_systime$i_time" in
*$define*)
  echo " "
  echo "Checking to see if your struct tm has tm_gmtoff field..." >&4
  set d_tm_tm_gmtoff tm tm_gmtoff $i_systime sys/time.h $i_time time.h
  eval $hasfield
  ;;
*)    val="$undef"
      set d_tm_tm_gmtoff

      eval $setvar
      ;;
esac
case "$d_tm_tm_gmtoff" in
"$define")    echo "Yes, it does." ;;
*)           echo "No, it doesn't." ;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/i_time.U
```

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

?RCS: \$Id: i\_sysstatfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysstatfs: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysstatfs:

?S: This variable conditionally defines the I\_SYSSTATFS symbol,

?S: and indicates whether a C program should include <sys/statfs.h>.

?S:.

?C:I\_SYS\_STATFS:

?C: This symbol, if defined, indicates that <sys/statfs.h> exists.

```
?C:.
?H:#$i_sysstatfs I_SYS_STATFS /**/
?H:.
?LINT:set i_sysstatfs
: see if this is a sys/statfs.h system
set sys/statfs.h i_sysstatfs
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sysstatfs.U
```

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

```
?RCS: $Id: d_strcoll.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_strcoll.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:12:01 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_strcoll: Inlibc
?MAKE: -pick add $@ %<
?S:d_strcoll:
?S: This variable conditionally defines HAS_STRCOLL if strcoll() is
?S: available to compare strings using collating information.
?S:.
?C:HAS_STRCOLL:
?C: This symbol, if defined, indicates that the strcoll routine
is
?C: available to compare strings using collating information.
?C:.
?H:#$d_strcoll HAS_STRCOLL /**/
?H:.
?LINT:set d_strcoll
: see if strcoll exists
set strcoll d_strcoll
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strcoll.U

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

?RCS: \$Id: d\_setprotoent\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_setprotoent\_r setprotoent\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_setprotoent\_r:  
?S: This variable conditionally defines the HAS\_SETPROTOENT\_R symbol,  
?S: which indicates to the C program that the setprotoent\_r()  
?S: routine is available.  
?S:.  
?S:setprotoent\_r\_proto:  
?S: This variable encodes the prototype of setprotoent\_r.  
?S: It is zero if d\_setprotoent\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setprotoent\_r  
?S: is defined.  
?S:.  
?C:HAS\_SETPROTOENT\_R:  
?C: This symbol, if defined, indicates that the setprotoent\_r  
routine  
?C: is available to setprotoent re-entrantly.  
?C:.  
?C:SETPROTOENT\_R\_PROTO:  
?C: This symbol encodes the prototype of setprotoent\_r.  
?C: It is zero if d\_setprotoent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setprotoent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_setprotoent\_r HAS\_SETPROTOENT\_R /\*\*/  
?H:#define SETPROTOENT\_R\_PROTO \$setprotoent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_setprotoent\_r\_proto  
: see if setprotoent\_r exists  
set setprotoent\_r d\_setprotoent\_r  
eval \$inlibc  
case "\$d\_setprotoent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_setprotoent\_r\_proto:\$usethreads" in



```

":define") d_setprotoent_r_proto=define
set d_setprotoent_r_proto setprotoent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_setprotoent_r_proto" in
define)
case "$setprotoent_r_proto" in
"|0) try='int setprotoent_r(int, struct protoent_data*);'
./protochk "$sextern_C $try" $hdrs && setprotoent_r_proto=I_ID ;;
esac
case "$setprotoent_r_proto"
in
"|0) try='void setprotoent_r(int, struct protoent_data*);'
./protochk "$sextern_C $try" $hdrs && setprotoent_r_proto=V_ID ;;
esac
case "$setprotoent_r_proto" in
"|0) d_setprotoent_r=undef
setprotoent_r_proto=0
echo "Disabling setprotoent_r, cannot determine prototype." >&4 ;;
* ) case "$setprotoent_r_proto" in
REENTRANT_PROTO*) ;;
*) setprotoent_r_proto="REENTRANT_PROTO_$setprotoent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susethreads" in
define) echo "setprotoent_r has no prototype, not using it." >&4 ;;
esac
d_setprotoent_r=undef
setprotoent_r_proto=0
;;
esac
;;
*) setprotoent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setprotoent_r.U

```

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

?RCS: \$Id: Protochk.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?X: This unit generates a ./protochk script that is used internally

?X: by Configure to check if this system will accept a particular

?X: prototype.

?X:

?X: To use it, say something like:

?X: hdrs="\$define sys/types.h

?X: \$i\_systime sys/time.h

?X: \$i\_sysselct sys/select.h

?X: \$d\_socket sys/socket.h"

?X: \$xxx='fd\_set \*'

?X: try='extern int select \_((int, \$xxx, \$xxx, \$xxx, struct timeval \*));'

?X: if ./protochk "\$try" \$hdrs; then

?X: echo "Your system accepts \$xxx for the arguments to select."

?X: fi

?X: (Of course select is harder, since the first arg can be int,

?X: size\_t, or unsigned long, and the last arg may or may not have a

?X: 'const' before the 'struct timeval' :-(. Also SunOS

4.1.3 doesn't

?X: provide a select prototype so the compiler accepts anything :-).

?X:

?X: The C compiler on QNX warns about invalid pointer types, but

?X: still exits with a 0 exit status, so it's not much help here.

?X: (It does correctly detect incorrect non-pointer arguments).

?X: Still, since QNX is a POSIX-ish system, just make your first

?X: a POSIX-ish one, and QNX will probably accept it.

?X:

?X: For determining argument types, your compiler must support

?X: prototypes, and the header files must use them. Determining

?X: return types, however, is easier. Just give an ridiculous

?X: return type, something like

?X: ./protochk 'extern int atof \_((void));' \$i\_stdlib stdlib.h

?X: that should surely fail if atof() is defined in <stdlib.h>

?X:

?X: There is also an 'escape' hatch built in. If you have a pair

?X: of args 'literal 'stuff' then 'stuff' gets included literally

?X: into the test program. This could be useful for doing something

?X: like

?X: hdrs="\$define stdio.h

?X: \$define

sys/types.h"

?X: ./protochk 'extern int fsetpos(FILE \*, Fpos\_t);' \$args \

?X: 'literal' '#define Fpos\_t long long'

?X: but you have to be really careful about the spaces in "literal".

?X:

?X: Andy Dougherty Feb. 1998

```

?MAKE:Protochk: cat rm_try startsh eunicefix +cc +optimize +ccflags \
i_thread usethreads
?MAKE: -pick add $@ %<
?F:./protochk
?X: Comfort metalint. All these are actually used in the protochk script.
?T:foo status pthread_h_done
?LINT: change cc optimize ccflags define rm_try
?LINT: extern pthread_h_first
?LINT: change pthread_h_first
?LINT: change usethreads
?LINT: change i_thread
: define a function to check prototypes
$cat > protochk <<EOSH
$startsh
cc="$cc"
optimize="$optimize"
ccflags="$ccflags"
define="$define"
rm_try="$rm_try"
usethreads=$usethreads
i_thread=$i_thread
pthread_h_first=$pthread_h_first
EOSH

$cat >> protochk <<'EOSH'

$rm_try
foo="$1"
shift
while test $# -ge 2; do
case "$1" in
$define) echo "#include <$2>" >> try.c ;;
literal)
echo "$2" >> try.c ;;
esac
# Extra magic for the benefit of systems that need pthread.h
# to be included early to correctly detect threadsafe functions.
# Such functions must guarantee themselves, though, that the usethreads
# and i_thread have been defined, before calling protochk.
if test "$usethreads" = "$define" -a "$i_thread" = "$define" -a "$pthread_h_first" = "$define" -a
"$pthread_h_done" = ""; then
echo "#include <pthread.h>" >> try.c
pthread_h_done=yes
fi
shift 2
done
cat >> try.c <<'EOCP'
#define _(args) args

```

```
EOCP
echo "$foo" >> try.c
?X: Just so we have something to compile.
echo 'int no_real_function_has_this_name _((void)) { return 0; }' >> try.c
$cc $optimize $ccflags -c try.c > /dev/null 2>&1
status=$?
$rm_try
exit $status
EOSH
chmod +x protochk
$unicefix protochk
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Protochk.U
```

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

```
?RCS: $Id: i_sunmath.U,v $
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_sunmath: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_sunmath:
?S: This variable conditionally defines the I_SUNMATH symbol, and indicates
?S: whether a C program should include <sunmath.h>.
?S:.
?C:I_SUNMATH:
?C: This symbol, if defined, indicates that <sunmath.h> exists and
?C: should be included.
?C:.
?H:#$i_sunmath I_SUNMATH /**/
?H:.
?LINT:set i_sunmath
: see if this is a sunmath.h system
set sunmath.h i_sunmath
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_sunmath.U
```

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

```
?RCS: $Id: d_getservent_r.U,v ORCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
```

?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_getservent\_r getservent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_getservent\_r:  
?S: This variable conditionally defines the HAS\_GETSERVENT\_R symbol,  
?S: which indicates to the C program that the getservent\_r()  
?S: routine is available.  
?S:.  
?S:getservent\_r\_proto:  
?S: This variable encodes the prototype of getservent\_r.  
?S: It is zero if d\_getservent\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservent\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETSERVENT\_R:  
?C: This symbol, if defined, indicates that the getservent\_r routine  
?C: is  
available to getservent re-entrantly.  
?C:.  
?C:GETSERVENT\_R\_PROTO:  
?C: This symbol encodes the prototype of getservent\_r.  
?C: It is zero if d\_getservent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_getservent\_r HAS\_GETSERVENT\_R /\*\*/  
?H:#define GETSERVENT\_R\_PROTO \$getservent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_getservent\_r\_proto  
: see if getservent\_r exists  
set getservent\_r d\_getservent\_r  
eval \$inlibc  
case "\$d\_getservent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_getservent\_r\_proto:\$usethreads" in  
":define") d\_getservent\_r\_proto=define  
set d\_getservent\_r\_proto getservent\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_getservent\_r\_proto" in

```

define)
case "$getservernt_r_proto" in
"|0) try='int getservernt_r(struct servernt*, char*, size_t, struct servernt**);'
./protochk "$extern_C $try" $hdrs && getservernt_r_proto=I_SBWR ;;
esac
case "$getservernt_r_proto"
in
"|0) try='int getservernt_r(struct servernt*, char*, int);'
./protochk "$extern_C $try" $hdrs && getservernt_r_proto=I_SBI ;;
esac
case "$getservernt_r_proto" in
"|0) try='struct servernt* getservernt_r(struct servernt*, char*, int);'
./protochk "$extern_C $try" $hdrs && getservernt_r_proto=S_SBI ;;
esac
case "$getservernt_r_proto" in
"|0) try='int getservernt_r(struct servernt*, struct servernt_data*);'
./protochk "$extern_C $try" $hdrs && getservernt_r_proto=I_SD ;;
esac
case "$getservernt_r_proto" in
"|0) d_getservernt_r=undef
getservernt_r_proto=0
echo "Disabling getservernt_r, cannot determine prototype." >&4 ;;
*) case "$getservernt_r_proto" in
REENTRANT_PROTO*) ;;
*) getservernt_r_proto="REENTRANT_PROTO_$getservernt_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getservernt_r has no prototype, not using it." >&4 ;;
esac
d_getservernt_r=undef
getservernt_r_proto=0
;;
esac
;;
*) getservernt_r_proto=0
;;
esac

```

#### Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getservernt\_r.U

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

?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: nis.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 16:17:38 ram  
?RCS: patch61: ensure suitable defaults for hostcat and friends  
?RCS:  
?RCS: Revision 3.0.1.2 1995/03/21 08:48:34 ram  
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling  
?RCS:  
?RCS: Revision 3.0.1.1 1995/02/15 14:16:23 ram  
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:24 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:passcat groupcat hostcat:  
Myread Oldconfig test contains  
?MAKE: -pick add \$@ %<  
?S:passcat:  
?S: This variable contains a command that produces the text of the  
?S: /etc/passwd file. This is normally "cat /etc/passwd", but can be  
?S: "ypcat passwd" when NIS is used.  
?S:.  
?S:groupcat:  
?S: This variable contains a command that produces the text of the  
?S: /etc/group file. This is normally "cat /etc/group", but can be  
?S: "ypcat group" when NIS is used.  
?S:.  
?S:hostcat:  
?S: This variable contains a command that produces the text of the  
?S: /etc/hosts file. This is normally "cat /etc/hosts", but can be  
?S: "ypcat hosts" when NIS is used.  
?S:.  
: see if we have to deal with yellow pages, now NIS.  
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)  
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.  
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.  
if \$test -d /usr/etc/yp || \$test -d /etc/yp || \$test -d /usr/lib/yp; then  
if \$test -f /usr/etc/nibindd; then  
echo

```

" "
echo "I'm fairly confident you're on a NeXT."
@if passcat || groupcat
echo " "
rp='Do you get the passwd file via NetInfo?'
dflt=y
case "$passcat" in
nidump*) ;;
") ;;
*) dflt=n;;
esac
. ./myread
case "$ans" in
y*) passcat='nidump passwd .'
@if groupcat
echo "(Assuming /etc/group is also distributed.)"
groupcat='nidump group .'
@end
;;
*) echo "You told me, so don't blame me."
case "$passcat" in
nidump*) passcat="
@if groupcat
groupcat="";
@end
esac
@if groupcat
echo "(Assuming /etc/group is handled the same way.)"
@end
;;
esac
@end
@if hostcat
echo " "
rp='Do you get the hosts file via NetInfo?'
dflt=y
case "$hostcat" in
nidump*) ;;
") ;;
*) dflt=n;;
esac
. ./myread
case "$ans" in
y*) hostcat='nidump hosts .';;
*) case "$hostcat" in
nidump*) hostcat="";
esac
;;

```



```

esac
@end
fi
@if passcat || groupcat
case "$passcat" in
nidump*) ;;
*)
case "$passcat" in
*yecat*) dflt=y;;
")
if $contains '^\\+' /etc/passwd >/dev/null 2>&1; then
dflt=y
else
dflt=n
fi;;
*) dflt=n;;
esac
echo " "
rp='Are you getting the passwd file via yellow pages?'
./myread
case "$ans" in
y*) passcat='yecat passwd'
@if groupcat
echo "(Assuming /etc/group is also distributed.)"
groupcat='yecat group'
@end
;;
*) passcat='cat /etc/passwd'
@if groupcat
echo "(Assuming /etc/group is also local.)"
groupcat='cat /etc/group'
@end
;;
esac
;;
esac
@end
@if hostcat
case "$hostcat" in
nidump*) ;;
*)
case "$hostcat" in
*yecat*) dflt=y;;
") if $contains '^\\+' /etc/passwd >/dev/null 2>&1; then
dflt=y
else
dflt=n
fi;;

```

```

*) dflt=n;;
esac
echo " "
rp='Are you getting the hosts file via yellow pages?'
./myread
case "$ans" in
y*) hostcat='ypcat hosts';;
*) hostcat='cat /etc/hosts';;
esac
;;
esac
@end
fi

```

?X: Ensure suitable default -- Manoj Srivastava

```

case "$hostcat" in
") hostcat=:')
$test -f /etc/hosts && hostcat='cat
/etc/hosts';;
esac
case "$groupcat" in
") groupcat=:')
$test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") passcat=:')
$test -f /etc/passwd && passcat='cat /etc/passwd';;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/nis.U

```

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

?RCS: \$Id: netdbtype.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: netdbtype.U,v \$

?RCS:

?MAKE:netdb\_host\_type netdb\_hlen\_type netdb\_name\_type netdb\_net\_type: \

Protochk Oldconfig Myread cat \

d\_gethbyaddr d\_gethbyname d\_getnbyaddr \

i\_niin i\_netdb i\_unistd d\_socket sizetype extern\_C

?MAKE: -pick add \$@ %<

?S:netdb\_host\_type:

?S: This variable holds the type used for the 1st argument to  
 ?S: gethostbyaddr(). Usually, this is char \* or void \*, possibly  
 ?S: with or without a const prefix.  
 ?S: This is only useful if you have gethostbyaddr(), naturally.  
 ?S:.

?S:netdb\_hlen\_type:

?S: This variable holds the type used for the 2nd argument to  
 ?S: gethostbyaddr(). Usually,  
 this is int or size\_t or unsigned.  
 ?S: This is only useful if you have gethostbyaddr(), naturally.  
 ?S:.

?S:netdb\_name\_type:

?S: This variable holds the type used for the argument to  
 ?S: gethostbyname(). Usually, this is char \* or const char \*.  
 ?S: This is only useful if you have gethostbyname(), naturally.  
 ?S:.

?S:netdb\_net\_type:

?S: This variable holds the type used for the 1st argument to  
 ?S: getnetbyaddr(). Usually, this is int or long.  
 ?S: This is only useful if you have getnetbyaddr(), naturally.  
 ?S:.

?C:Netdb\_host\_t:

?C: This symbol holds the type used for the 1st argument  
 ?C: to gethostbyaddr().  
 ?C:.

?C:Netdb\_hlen\_t:

?C: This symbol holds the type used for the 2nd argument  
 ?C: to gethostbyaddr().  
 ?C:.

?C:Netdb\_name\_t:

?C: This symbol holds the type used for the argument to  
 ?C: gethostbyname().  
 ?C:.

?C:Netdb\_net\_t:

?C: This symbol holds the type used for the 1st argument to  
 ?C: getnetbyaddr().  
 ?C:.

?H:#define Netdb\_host\_t \$netdb\_host\_type /\*\*/  
 ?H:#define Netdb\_hlen\_t \$netdb\_hlen\_type  
 /\*\*/  
 ?H:#define Netdb\_name\_t \$netdb\_name\_type /\*\*/  
 ?H:#define Netdb\_net\_t \$netdb\_net\_type /\*\*/  
 ?H:.

?T:xxx yyy try hdrs  
 @if netdb\_host\_type || Netdb\_host\_t || netdb\_hlen\_type || Netdb\_hlen\_t  
 : check for type of arguments to gethostbyaddr.

```

if test "$netdb_host_type" = X -o "$netdb_hlen_type" = X; then
case "$d_gethbyaddr" in
$define)
$cat <<EOM

```

Checking to see what type of arguments are accepted by gethostbyaddr().

EOM

```

hdrs="$define sys/types.h
$d_socket sys/socket.h
$i_niin netinet/in.h
$i_netdb netdb.h
$i_unistd unistd.h"
: The first arg can 'char *' or 'void *'
: The second arg is some of integral type
for xxx in in_addr_t 'const void *' 'const char *' 'void *' 'char *'; do
for yyy in size_t long int; do
case "$netdb_host_type" in
") try="$xtern_C struct hostent *gethostbyaddr($xxx, $yyy, int);"
if ./protochk "$try" $hdrs; then
echo "Your system accepts $xxx for the first arg."
echo "...and $yyy for the second arg."
netdb_host_type="$xxx"
netdb_hlen_type="$yyy"
fi
;;
esac
done
done
:

```

In case none of those worked, prompt the user.

```

case "$netdb_host_type" in
") rp='What is the type for the 1st argument to gethostbyaddr?'
dflt='char *'
./myread
netdb_host_type=$ans
rp='What is the type for the 2nd argument to gethostbyaddr?'
dflt="$sizetype"
./myread
netdb_hlen_type=$ans
;;
esac
;;
*) : no gethostbyaddr, so pick harmless defaults
netdb_host_type='char *'
netdb_hlen_type="$sizetype"
;;
esac
# Remove the "const" if needed. -- but then we'll have a

```

```

# prototype clash!
# netdb_host_type=`echo "$netdb_host_type" | sed 's/^const //'`
fi
@end

```

```

@if netdb_name_type || Netdb_name_t
: check for type of argument to gethostbyname.
if test "X$netdb_name_type" = X ; then
case "$d_gethostbyname" in
$define)
$cat <<EOM

```

Checking to see what type of argument is accepted by gethostbyname().

EOM

```

hdrs="$define sys/types.h
$d_socket sys/socket.h
$i_niin
netinet/in.h
$i_netdb netdb.h
$i_unistd unistd.h"
for xxx in "const char *" "char *"; do
case "$netdb_name_type" in
") try="$xtern_C struct hostent *gethostbyname($xxx);"
if ./protochk "$stry" $hdrs; then
echo "Your system accepts $xxx."
netdb_name_type="$xxx"
fi
;;
esac
done
: In case none of those worked, prompt the user.
case "$netdb_name_type" in
") rp='What is the type for the 1st argument to gethostbyname?'
dflt='char *'
./myread
netdb_name_type=$ans
;;
esac
*) : no gethostbyname, so pick harmless default
netdb_name_type='char *'
;;
esac
fi
@end

```

```

@if netdb_net_type || Netdb_net_t
: check for type of 1st argument to getnetbyaddr.

```

```

if test "X$netdb_net_type" = X ; then
case "$d_getnbyaddr" in
$define)
$cat <<EOM

```

Checking to see what type of 1st argument is accepted by getnetbyaddr().

EOM

```

hdrs="$define sys/types.h
$d_socket sys/socket.h
$i_niin netinet/in.h
$i_netdb netdb.h
$i_unistd
unistd.h"
for xxx in in_addr_t "unsigned long" long "unsigned int" int; do
case "$netdb_net_type" in
") try="$xtern_C struct netent *getnetbyaddr($xxx, int);"
if ./protochk "$try" $hdrs; then
echo "Your system accepts $xxx."
netdb_net_type="$xxx"
fi
;;
esac
done
: In case none of those worked, prompt the user.
case "$netdb_net_type" in
") rp='What is the type for the 1st argument to getnetbyaddr?'
dflt='long'
./myread
netdb_net_type=$ans
;;
esac
;;
*) : no getnetbyaddr, so pick harmless default
netdb_net_type='long'
;;
esac
fi
@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/netdbtype.U

```

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_mmap.U,v \$  
?RCS: Revision 3.0.1.1 1993/12/15 08:19:12 ram  
?RCS: patch15: created  
?RCS:  
?MAKE:d\_mmap: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mmap:  
?S: This variable conditionally defines HAS\_MMAP if mmap() is  
?S: available to map a file into memory.  
?S:.  
?C:HAS\_MMAP:  
?C: This symbol, if defined, indicates that the mmap system call is  
?C: available to map a file into memory.  
?C:.  
?H:#\$d\_mmap HAS\_MMAP /\*\*/  
?H:.  
?LINT:set d\_mmap  
: see if mmap exists  
set mmap d\_mmap  
eval \$inlibc

Found in path(s):

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mmap.U

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

?RCS: \$Id: d\_popen.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_popen.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:47 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_popen: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_popen:

?S: This variable conditionally defines HAS\_POPEN if popen() is

?S: available to open a pipe from a process.

?S:.

?C:HAS\_POPEN (POPEN):

?C: This symbol, if defined, indicates that the popen routine is

?C: available to open a pipe from a process.

?C:.

?H:#\$d\_popen HAS\_POPEN /\*\*/

?H:.

?LINT:set

d\_popen

: see if popen exists

set popen d\_popen

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_popen.U

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

?RCS: \$Id: Guess.U,v 3.0.1.5 1995/07/25 13:37:14 ram Exp \$

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Guess.U,v \$

?RCS: Revision 3.0.1.5 1995/07/25 13:37:14 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.4 1994/10/29 15:53:55 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0.1.3 1993/12/15 08:14:35 ram

?RCS: patch15: variable d\_bsd was not always set properly

?RCS:

?RCS: Revision 3.0.1.2 1993/08/30 08:57:14 ram

?RCS:

patch8: fixed comment which wrongly attributed the usrinc symbol

?RCS: patch8: no more ugly messages when no /usr/include/ctype.h

?RCS:



?RCS: Revision 3.0.1.1 1993/08/27 14:37:37 ram

?RCS: patch7: added support for OSF/1 machines

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit hazards some guesses as to what the general nature of the system

?X: is. The information it collects here is used primarily to establish default

?X: answers to other questions.

?X:

?MAKE:Guess d\_eunice d\_xenix d\_bsd: cat test echo n c contains \  
 rm Loc eunicefix tr sysroot

?MAKE: -pick add \$@ %<

?S:d\_eunice:

?S: This variable conditionally defines the symbols EUNICE and VAX, which

?S: alerts the C program that it must deal with idiosyncrasies of VMS.

?S:.

?S:d\_xenix:

?S: This variable conditionally defines the symbol XENIX, which alerts

?S: the C program that it runs under Xenix.

?S:.

?S:d\_bsd:

?S: This symbol conditionally defines the

?S: symbol BSD when running on a

?S: BSD system.

?S:.

?C:EUNICE:

?C: This symbol, if defined, indicates that the program is being compiled

?C: under the EUNICE package under VMS. The program will need to handle

?C: things like files that don't go away the first time you unlink them,

?C: due to version numbering. It will also need to compensate for lack

?C: of a respectable link() command.

?C:.

?X: Should we define VMS here? Is Eunice actually used anymore?

?X:?C:VMS:

?X:?C: This symbol, if defined, indicates that the program is running under

?X:?C: VMS. It is currently only set in conjunction with the EUNICE symbol.

?X:?C:.

?C:XENIX:

?C: This symbol, if defined, indicates that the program is running under

?C: Xenix (at least 3.0 ?).

?C:.

?X: We don't use BSD in the perl source. It's too vague, and already

?X: defined in some header files anyway (e.g. NetBSD). This just gives

?X: us a spurious redefinition error upon compilation.

?X: --Andy Dougherty Feb 11, 1998

?X: ?C:BSD:

```

?X:
?C: This symbol, if defined, indicates that the program is running under
?X: ?C: a BSD system.
?X: ?C:.
?H:#$d_eunice EUNICE /**/
?X:?H:#$d_eunice VMS /**/
?H:#$d_xenix XENIX /**/
?X: ?H:#$d_bsd BSD /**/
?H:.
?F:./bsd ./usg ./v7 ./osf1 ./eunice ./xenix ./venix ./os2
?T:xxx
: make some quick guesses about what we are up against
echo " "
$echo $n "Hmm... $c"
echo exit 1 >bsd
echo exit 1 >usg
echo exit 1 >v7
echo exit 1 >osf1
echo exit 1 >eunice
echo exit 1 >xenix
echo exit 1 >venix
echo exit 1 >os2
d_bsd="$undef"
?X:
?X: Do not use 'usrinc', or we get a circular dependency. because
?X: usrinc is defined in usrinc.U, which relies on us...
?X:
$cat $sysroot/usr/include/signal.h $sysroot/usr/include/sys/signal.h >foo 2>/dev/null
if test -f /osf_boot || $contains 'OSF/1' $sysroot/usr/include/ctype.h >/dev/null 2>&1
then
echo "Looks kind of like an OSF/1 system, but we'll see..."
echo exit 0 >osf1
elif test `echo abc | $tr a-z A-Z` = Abc ; then
xxx=`./loc addbib blurfl $pth`
if $test
-f $xxx; then
echo "Looks kind of like a USG system with BSD features, but we'll see..."
echo exit 0 >bsd
echo exit 0 >usg
else
if $contains SIGTSTP foo >/dev/null 2>&1 ; then
echo "Looks kind of like an extended USG system, but we'll see..."
else
echo "Looks kind of like a USG system, but we'll see..."
fi
echo exit 0 >usg
fi
elif $contains SIGTSTP foo >/dev/null 2>&1 ; then

```

```

echo "Looks kind of like a BSD system, but we'll see..."
d_bsd="$define"
echo exit 0 >bsd
else
echo "Looks kind of like a Version 7 system, but we'll see..."
echo exit 0 >v7
fi
case "$eunicefix" in
*unixtovms*)
$cat <<'EOI'
There is, however, a strange, musty smell in the air that reminds me of
something...hmm...yes...I've got it...there's a VMS nearby, or I'm a Blit.
EOI
echo exit 0 >eunice
d_eunice="$define"
: it so happens the Eunice I know will not run shell scripts in Unix format
;;
*)
echo " "
echo "Congratulations. You aren't running Eunice."
d_eunice="$undef"
;;
esac
: Detect
OS2. The p_ variable is set above in the Head.U unit.
: Note that this also -- wrongly -- detects e.g. dos-djgpp, which also uses
: semicolon as a patch separator
case "$p_" in
:) ;;
*)
$cat <<'EOI'
I have the feeling something is not exactly right, however...don't tell me...
lemme think...does HAL ring a bell?...no, of course, you're only running OS/2!
(Or you may be running DOS with DJGPP.)
EOI
echo exit 0 >os2
;;
esac
if test -f /xenix; then
echo "Actually, this looks more like a XENIX system..."
echo exit 0 >xenix
d_xenix="$define"
else
echo " "
echo "It's not Xenix..."
d_xenix="$undef"
fi
chmod +x xenix

```

```

$eunicefix xenix
if test -f /venix; then
  echo "Actually, this looks more like a VENIX system..."
  echo exit 0 >venix
else
  echo " "
  if ./xenix; then
    : null
  else
    echo "Nor is it Venix..."
  fi
fi
chmod +x bsd usg v7 osf1 eunice xenix venix os2
$eunicefix bsd usg v7 osf1 eunice xenix venix os2
$rm -f foo

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Guess.U

```

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

```

?RCS: $Id: d_strdup.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_strdup.U,v $
?RCS: Revision 3.0.1.1 1993/12/15 08:21:41 ram
?RCS: patch15: created
?RCS:
?MAKE:d_strdup: Inlibc
?MAKE: -pick add $@ %<
?S:d_strdup:
?S: This variable conditionally defines HAS_STRDUP if strdup() is
?S: available to duplicate strings in memory.
?S:.
?C:HAS_STRDUP:
?C: This symbol, if defined, indicates that the strdup routine is
?C: available to duplicate strings in memory. Otherwise, roll up
?C: your own...
?C:.
?H:#$d_strdup HAS_STRDUP /**/
?H:.

```

```
?LINT:set
d_strdup
: see if strdup exists
set strdup d_strdup
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strdup.U
```

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

```
?RCS: $Id: startsh.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: startsh.U,v $
```

```
?RCS: Revision 3.0.1.1 1997/02/28 16:25:31 ram
```

```
?RCS: patch61: avoid needless chatter since this is now done very early
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:09:51 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:startsh: sh sharpbang eunicefix
```

```
?MAKE: -pick add $@ %<
```

```
?S:startsh:
```

```
?S: This variable contains the string to put on the front of a shell
```

```
?S: script to make sure (hopefully) that it runs with sh and not some
```

```
?S: other
```

```
shell.
```

```
?S:.
```

```
?F:!sharp
```

```
: figure out how to guarantee sh startup
```

```
?X: Avoid needless chatter since this is now done very early.
```

```
?X: echo " "
```

```
?X: echo "Checking out how to guarantee sh startup..." >&2
```

```
case "$startsh" in
```

```
  ") startsh=${sharpbang}${sh} ;;
```

```
*)
```

```
?X: echo "Let's see if '$startsh' works..." ;;
```

```
esac
```

```
cat >sharp <<EOSS
```

```
$startsh
```

```
set abc
test "$?abc" != 1
EOSS
```

```
chmod +x sharp
$eunicefix sharp
if ./sharp; then
: echo "Yup, it does."
else
echo "Hmm... '$startsh' does not guarantee sh startup..."
echo "You may have to fix up the shell scripts to make sure $sh runs them."
fi
rm -f sharp
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/startsh.U
```

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

```
?RCS: $Id: d_truncate.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_truncate.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:48 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_truncate: Inlibc
?MAKE: -pick add $@ %<
?S:d_truncate:
?S: This variable conditionally defines HAS_TRUNCATE if truncate() is
?S: available to truncate files.
?S:.
?C:HAS_TRUNCATE (TRUNCATE):
?C: This symbol, if defined, indicates that the truncate routine is
?C: available to truncate files.
?C:.
?H:#$d_truncate HAS_TRUNCATE /**/
?H:.
?LINT:set
d_truncate
: see if truncate exists
```

```
set truncate d_truncate
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_truncate.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_getpwent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:17 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getpwent: Csym Setvar

?MAKE: -pick add \$@ %<

?S:d\_getpwent:

?S: This variable conditionally defines the HAS\_GETPWENT symbol, which

?S: indicates to the C program that it should use the getpwent()

?S: routine instead of the getpw() routine.

?S:.

?C:HAS\_GETPWENT (GETPWENT):

?C: This symbol, if defined, indicates that the getpwent() routine

?C: should be used instead of the getpw()

routine.

?C:.

?H:#\$d\_getpwent HAS\_GETPWENT /\*\*/

?H:.

?LINT:set d\_getpwent

: see if there is a getpwent

echo " "

if set getpwent val -f d\_getpwent; eval \$csym; \$val; then

echo "getpwent() found." >&4

val="\$define"

else

echo "No getpwent() found -- will use getpw() instead." >&4

val="\$undef"

fi

set d\_getpwent

eval \$setvar

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getpwent.U
```

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

?RCS: \$Id: d\_readdir\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_readdir\_r readdir\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_dirent extern\_C

?MAKE: -pick add \$@ %<

?S:d\_readdir\_r:

?S: This variable conditionally defines the HAS\_READDIR\_R symbol,

?S: which indicates to the C program that the readdir\_r()

?S: routine is available.

?S:.

?S:readdir\_r\_proto:

?S: This variable encodes the prototype of readdir\_r.

?S: It is zero if d\_readdir\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir\_r

?S: is defined.

?S:.

?C:HAS\_READDIR\_R:

?C: This symbol, if defined, indicates that the readdir\_r routine

?C: is available to readdir re-entrantly.

?C:.

?C:READDIR\_R\_PROTO:

?C: This

symbol encodes the prototype of readdir\_r.

?C: It is zero if d\_readdir\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir\_r

?C: is defined.

?C:.

?H:#\$d\_readdir\_r HAS\_READDIR\_R /\*\*/

?H:#define READDIR\_R\_PROTO \$readdir\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_readdir\_r\_proto

: see if readdir\_r exists

set readdir\_r d\_readdir\_r

eval \$inlibc

case "\$d\_readdir\_r" in

"\$define")



```

hdrs="$i_systypes sys/types.h define stdio.h $i_dirent dirent.h"
case "$d_readdir_r_proto:$susetthreads" in
":define") d_readdir_r_proto=define
set d_readdir_r_proto readdir_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_readdir_r_proto" in
define)
case "$readdir_r_proto" in
"|0) try='int readdir_r(DIR*, struct dirent*, struct dirent**);'
./protochk "$extern_C $try" $hdrs && readdir_r_proto=I_TSR ;;
esac
case "$readdir_r_proto" in
"|0) try='int readdir_r(DIR*, struct dirent*);'
./protochk "$extern_C $try" $hdrs && readdir_r_proto=I_TS
;;
esac
case "$readdir_r_proto" in
"|0) d_readdir_r=undef
readdir_r_proto=0
echo "Disabling readdir_r, cannot determine prototype." >&4 ;;
* ) case "$readdir_r_proto" in
REENTRANT_PROTO*) ;;
*) readdir_r_proto="REENTRANT_PROTO_$readdir_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "readdir_r has no prototype, not using it." >&4 ;;
esac
d_readdir_r=undef
readdir_r_proto=0
;;
esac
;;
*) readdir_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_readdir\_r.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_inetpton: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_inetpton:  
?S: This variable conditionally defines the HAS\_INETPTON symbol,  
?S: which indicates to the C program that the inet\_pton() function  
?S: is available.  
?S:.  
?C:HAS\_INETPTON:  
?C: This symbol, if defined, indicates that the inet\_pton() function  
?C: is available to parse IPv4 and IPv6 strings.  
?C:.  
?H:#\$d\_inetpton HAS\_INETPTON /\*\*/  
?H:.  
?LINT:set d\_inetpton  
: see if inet\_pton exists  
set inet\_pton d\_inetpton  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_inetpton.U

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

?RCS: \$Id: d\_xdrs.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_xdrs.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:04 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_xdrs: cat Csym Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_xdrs:  
?S: This symbol conditionally defines HAS\_XDRS which indicates to the C  
?S: program that XDR serialization routines are available.  
?S:.

```

?C:HAS_XDRS (XDRS):
?C: This symbol if defined indicates to the C program that the XDR
?C: serialization routines are available to transfer data
across
?C: various architectures.
?C:.
?H:#$d_xdrs HAS_XDRS /**/
?H:.
?LINT:set d_xdrs
: see if XDR is available
echo " "
if set xdr_int val -f d_xdrs; eval $csym; $val; then
echo "Ahh! You have XDR routines for network communications." >&4
val="$define"
else
$cat >&4 <<EOM
Sigh! You do not have XDR routines -- Network communications may be hazardous.
EOM
val="$undef"
fi
set d_xdrs
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_xdrs.U

```

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

```

?RCS: $Id: ccflags.U,v 3.0.1.9 1997/02/28 15:27:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: ccflags.U,v $
?RCS: Revision 3.0.1.9 1997/02/28 15:27:07 ram
?RCS: patch61: removed support for NO_PROTOTYPE detection on SCO
?RCS: patch61: new locincpth variable
?RCS: patch61: added info on the "additional ld flags" question
?RCS:
?RCS: Revision 3.0.1.8 1995/07/25 13:48:54 ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS:
?RCS: Revision 3.0.1.7 1995/05/12 12:08:33 ram

```

?RCS: patch54: now checks for cc/ccflags/ldflags  
coherency

?RCS:

?RCS: Revision 3.0.1.6 1994/10/29 16:07:02 ram

?RCS: patch36: gcc versioning no longer relies on the C compiler's name

?RCS: patch36: simplified check for gcc version checking (ADO)

?RCS:

?RCS: Revision 3.0.1.5 1994/08/29 16:06:35 ram

?RCS: patch32: propagate -posix flag from ccflags to ldflags

?RCS:

?RCS: Revision 3.0.1.4 1994/05/06 14:28:45 ram

?RCS: patch23: -fpcc-struct-return only needed in gcc 1.x (ADO)

?RCS: patch23: cppflags now computed on an option-by-option basis

?RCS: patch23: magically added cc flags now only done the first time

?RCS:

?RCS: Revision 3.0.1.3 1993/09/13 15:58:29 ram

?RCS: patch10: explicitly mention -DDEBUG just in case they need it (WAD)

?RCS: patch10: removed all the "tans" variable usage (WAD)

?RCS:

?RCS: Revision 3.0.1.2 1993/08/27 14:39:38 ram

?RCS: patch7: added support for OSF/1 machines

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:00:24 ram

?RCS: patch6: added defaults for cppflags, ccflags and ldflags

?RCS:

?RCS:

Revision 3.0 1993/08/18 12:05:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:ccflags ldflags lkflags cppflags optimize locincpth: test cat osname \  
Myread Guess Options Oldconfig +gccversion mips\_type +usrinc \  
package contains rm +cc cppstdin cppminus cprun cpplast libpth \  
libs loclibpth hint usesocks sh run rm\_try sysroot

?MAKE: -pick add \$@ %<

?S:ccflags:

?S: This variable contains any additional C compiler flags desired by  
?S: the user. It is up to the Makefile to use this.

?S:.

?S:cppflags:

?S: This variable holds the flags that will be passed to the C pre-  
?S: processor. It is up to the Makefile to use it.

?S:.

?S:optimize:

?S: This variable contains any optimizer/debugger flag that should be used.  
?S: It is up to the Makefile to use it.

?S:.

?S:ldflags:

?S: This variable contains any additional C loader flags desired by

```

?S: the user. It is up to the Makefile to use this.
?S:.
?S:lkflags:
?S: This variable contains any additional C partial linker flags
desired by
?S: the user. It is up to the Makefile to use this.
?S:.
?S:locincpth:
?S: This variable contains a list of additional directories to be
?S: searched by the compiler. The appropriate '-I' directives will
?S: be added to ccflags. This is intended to simplify setting
?S: local directories from the Configure command line.
?S: It's not much, but it parallels the loclibpth stuff in libpth.U.
?S:.
?T:inctest thisincl xxx inclwanted ftry previous thislibdir
?T:EBUGGING DEBUGGING
?T:check flag callback checkccflag
?F:!cpp.c !gcctest !try
?D:cppflags="
?D:ccflags="
?D:ldflags="
?D:optimize="
?LINT:extern _sysroot
?INIT:: Possible local include directories to search.
?INIT:: Set locincpth to "" in a hint file to defeat local include searches.
?INIT:locincpth="/usr/local/include /opt/local/include /usr/gnu/include"
?INIT:locincpth="$locincpth /opt/gnu/include /usr/GNU/include /opt/GNU/include"
?INIT::
?INIT:: no include file wanted by default
?INIT:inclwanted="
?INIT:
?INIT::
Enable -DEBUGGING and -DDEBUGGING from the command line
?INIT:EBUGGING="
?INIT:DEBUGGING="
?INIT:
: determine optimization, if desired, or use for debug flag also
?X: Allow for Configure -Uoptimize -- it's not strictly sensible, but
?X: it has happened and we know what they mean. AD 2/16/98
case "$optimize" in
'|$undef) dflt='none';;
") dflt='-O';;
*) dflt="$optimize";;
esac
$cat <<EOH

```

By default, \$package compiles with the -O flag to use the optimizer.  
Alternately, you might want to use the symbolic debugger, which uses

the -g flag (on traditional Unix systems). Either flag can be specified here. To use neither flag, specify the word "none".

EOH

```
rp="What optimizer/debugger flag should be used?"
```

```
./myread
```

```
optimize="$ans"
```

```
case "$optimize" in
```

```
'none') optimize=" ";;
```

```
esac
```

```
: Check what DEBUGGING is required from the command line
```

```
: -DEBUGGING or -DDEBUGGING or
```

```
: -DEBUGGING=both = -g + -DDEBUGGING
```

```
: -DEBUGGING=-g or -Doptimize=-g = -g
```

```
: -DEBUGGING=none or -UDEBUGGING =
```

```
:
```

```
-DEBUGGING=old or -DEBUGGING=default = ? $optimize
```

```
case "$DEBUGGING" in
```

```
") ;;
```

```
*) DEBUGGING=$DEBUGGING ;;
```

```
esac
```

```
case "$DEBUGGING" in
```

```
-g|both|$define)
```

```
case "$optimize" in
```

```
*-g*) ;;
```

```
*) optimize="$optimize -g" ;;
```

```
esac ;;
```

```
none|$undef)
```

```
case "$optimize" in
```

```
*-g*) set `echo "X $optimize " | sed 's/ -g / /'`
```

```
shift
```

```
optimize="$*"
```

```
::
```

```
esac ;;
```

```
esac
```

```
dflt="
```

```
case "$DEBUGGING" in
```

```
both|$define) dflt='-DDEBUGGING'
```

```
esac
```

```
: argument order is deliberate, as the flag will start with - which set could
```

```
: think is an option
```

```
checkccflag='check=$1; flag=$2; callback=$3;
```

```
echo " ";
```

```
echo "Checking if your compiler accepts $flag" 2>&1;
```

```

[ "X$sysroot" != "X" ] && echo "For sysroot = $sysroot";
echo "int main(void) { return 0; }" > gcctest.c;
if $cc $_sysroot -O2 $flag -o gcctest gcctest.c 2>gcctest.out && $run ./gcctest; then
    echo "Yes, it does." 2>&1;
    if $test -s gcctest.out ; then
        echo "But your platform does not like it:";
        cat gcctest.out;
    else
case "$ccflags"
in
*$check*)
    echo "Leaving current flags $ccflags alone." 2>&1
    ;;
*) dflt="$dflt $flag";
    eval $callback
    ;;
esac
fi
else
    echo "Nope, it does not, but that is ok." 2>&1;
fi
,

```

: We will not override a previous value, but we might want to

: augment a hint file

```

case "$hint" in
default|recommended)
case "$gccversion" in
1*) dflt="$dflt -fpcc-struct-return" ;;
esac
case "$optimize:$DEBUGGING" in
*-g*:old) dflt="$dflt -DDEBUGGING";;
esac
?X: check for POSIXized ISC
case "$gccversion" in
2*) if $test -d /etc/conf/kconfig.d &&
    $contains _POSIX_VERSION $usrinc/sys/unistd.h >/dev/null 2>&1
    then
        # Interactive Systems (ISC) POSIX mode.
        dflt="$dflt -posix"
    fi
    ;;
esac
?X: If the user has gcc-2.95 or greater, try adding -fno-strict-alias.
?X: Since the gcc "version" can be non-numeric, e.g.
?X: "2.95.1 19990809 (prerelease)" , we'll do the test on any version
?X: greater than 2.8.
?X: --Andy Dougherty 27 Aug 1999

```

```

case "$gccversion" in
1*) ;;
2.[0-8]*)
;;
?*) set strict-aliasing -fno-strict-aliasing
eval $checkccflag
;;
esac
?X: HMB 200405
?X: -pipe has shown a compile time speedup of about 40% on Linux and HP-UX
?X: and also worked on cygwin-1.5.9
?X: If a system fails, disable it in the hints. 99% of gcc uses binutils
# For gcc, adding -pipe speeds up compilations for some, but apparently
# some assemblers can't read from stdin. (It also slows down compilations
# in other cases, but those are apparently rarer these days.) AD 5/2004.
case "$gccversion" in
?*) set pipe -pipe
eval $checkccflag
;;
esac

?X: NWC 200712
# on x86_64 (at least) we require an extra library (libssp) in the
# link command line. This library is not named, so I infer that it is
# an implementation detail that may change. Hence the safest approach
# is to add the flag to the flags passed to the compiler at link time,
# as that way the compiler can do the right implementation dependant
# thing. (NWC)
case "$osname" in
amigaos)
;; # -fstack-protector builds but doesn't work
*) case "$gccversion" in
?*) set stack-protector-strong -fstack-protector-strong
eval $checkccflag
case "$dflt" in
*-fstack-protector-strong*) ;; # It got added.
*) # Try the plain/older -fstack-protector.
set stack-protector -fstack-protector
eval $checkccflag
;;
esac
;;
esac
;;
esac
;;
esac
;;
esac

```



?X: In USG mode, a MIPS system may need some BSD includes

```
case "$mips_type" in
*BSD*|*) inclwanted="$locincpth $usrinc";;
*) inclwanted="$locincpth $inclwanted $usrinc/bsd";;
esac
for thisincl in $inclwanted; do
if $test -d $thisincl; then
if $test x$thisincl != x$usrinc; then
case "$dflt" in
*" -I$thisincl "*);;
*) dflt="$dflt -I$thisincl ";;
esac
fi
fi
done
```

?X: Include test function (header, symbol)

```
inctest='if $contains $2 $usrinc/$1 >/dev/null 2>&1; then
xxx=true;
elif $contains $2 $usrinc/sys/$1 >/dev/null 2>&1; then
xxx=true;
else
xxx=false;
fi;
if $xxx; then
case "$dflt" in
*$2*);;
*)
dflt="$dflt -D$2";;
esac;
fi'
```

```
set signal.h LANGUAGE_C; eval $inctest
```

```
case "$usesocks" in
$define)
ccflags="$ccflags -DSOCKS"
;;
esac
```

```
case "$hint" in
default|recommended) dflt="$ccflags $dflt" ;;
*) dflt="$ccflags";;
esac
```

```
case "$dflt" in
'| ') dflt=none;;
esac
```

\$cat <<EOH

Your C compiler may want other flags. For this question you should include -I/whatever and -DWHATEVER flags and any other flags used by the C compiler, but you should NOT include libraries or ld flags like -lwhatever. If you want \$package to honor its debug switch, you should include -DDEBUGGING here. Your C compiler might also need additional flags, such as -D\_POSIX\_SOURCE.

To use no flags, specify the word "none".

EOH

?X: strip leading space

set X \$dflt

shift

dflt=\${1+"\$@"}

rp="Any additional cc flags?"

./myread

case "\$ans" in

none) ccflags="";;

\*) ccflags="\$ans";;

esac

: the following weeds options from ccflags that are of no interest to cpp

case "\$cppflags" in

") cppflags="\$ccflags"

;;

\*) set X \$ccflags; shift

case " \$cppflags " in

\*" \$1 "\*" ;; # Try to avoid doubling the cppflags.

\*) cppflags="\$cppflags \$ccflags" ;;

esac

;;

esac

case "\$gccversion" in

1\*) cppflags="\$cppflags -D\_\_GNUC\_\_"

esac

case "\$mips\_type" in

");;

\*BSD\*) cppflags="\$cppflags -DSYSTYPE\_BSD43";;

esac

case "\$cppflags" in

");;

\*)

echo " "

echo "Let me guess what the preprocessor flags are..." >&4

set X \$cppflags

shift

```

cppflags="
$cat >cpp.c <<'EOM'
#define BLURFL foo

BLURFL xx LFRULB
EOM
?X:
?X: For each cc flag, try it out with both cppstdin and cprun, since the
?X: first is almost surely a cc wrapper. We have to try both in case
?X: of cc flags like '-Olimit 2900' that are actually two words...
?X:
previous="
for flag in $*
do
case "$flag" in
-*) ftry="$flag";;
*) ftry="$previous $flag";;
esac
if $cppstdin -DLFRULB=bar $cppflags $ftry $cppminus <cpp.c \
>cpp1.out 2>/dev/null && \
$cpprun -DLFRULB=bar $cppflags $ftry $cpplast <cpp.c \
>cpp2.out
2>/dev/null && \
$contains 'foo.*xx.*bar' cpp1.out >/dev/null 2>&1 && \
$contains 'foo.*xx.*bar' cpp2.out >/dev/null 2>&1
then
cppflags="$cppflags $ftry"
previous="
else
previous="$flag"
fi
done
set X $cppflags
shift
cppflags=${1+"$@"}
case "$cppflags" in
*~*) echo "They appear to be: $cppflags";;
esac
$rm -f cpp.c cpp?.out
;;
esac

: flags used in final linking phase
case "$ldflags" in
") if ./venix; then
dflt='-i -z'
else
dflt="

```

```

fi
case "$ccflags" in
*-posix*) dflt="$dflt -posix" ;;
esac
;;
*) dflt="$ldflags";;
esac
# See note above about -fstack-protector
case "$ccflags" in
*-fstack-protector-strong*)
case "$dflt" in
*-fstack-protector-strong*) ;; # Don't add it again
*) dflt="$dflt -fstack-protector-strong" ;;
esac
;;
*-fstack-protector*)
case "$dflt" in
*-fstack-protector*) ;; # Don't add it again
*) dflt="$dflt -fstack-protector" ;;
esac
;;
esac

: Try to guess additional flags to pick up local libraries.
for thislibdir in $libpth;
do
case " $loclibpth " in
*" $thislibdir "*)
case "$dflt " in
*" -L$thislibdir "*) ;;
*) dflt="$dflt -L$thislibdir" ;;
esac
;;
esac
done

case "$dflt" in
") dflt='none' ;;
esac

$cat <<EOH

```

Your C linker may need flags. For this question you should include `-L/whatever` and any other flags used by the C linker, but you should NOT include libraries like `-lwhatever`.

Make sure you include the appropriate `-L/path` flags if your C linker does not normally search all of the directories you specified above,

namely

\$libpth

To use no flags, specify the word "none".

EOH

```
rp="Any additional ld flags (NOT including libraries)?"
```

```
./myread
```

```
case "$ans" in
```

```
none) ldflags="";;
```

```
*) ldflags="$ans";;
```

```
esac
```

```
rmlist="$rmlist pdp11"
```

```
@if lkflags
```

```
: partial linking may need other flags
```

```
case "$lkflags" in
```

```
") case "$ldflags" in
```

```
) dflt='none';;
```

```
*) dflt="$ldflags";;
```

```
esac;;
```

```
*) dflt="$lkflags";;
```

```
esac
```

```
echo " "
```

```
rp="Partial linking flags to be used (NOT including -r)?"
```

```
./myread
```

```
case "$ans" in
```

```
none)
```

```
lkflags="";;
```

```
*) lkflags="$ans";;
```

```
esac
```

```
@end
```

```
?X:
```

```
?X: If the user changes compilers after selecting a hint file, it's
```

```
?X: possible that the suggested ccflags/ldflags will be wrong. Try to
```

```
?X: compile and run a simple test program. Let the user see all the
```

```
?X: error messages. -- ADO and RAM
```

```
?X: Sometimes, particularly on Linux systems, there is a bad library
```

```
?X: (e.g. a dangling symlink or incompatible library or a "run-time"
```

```
?X: version but not a "development" version of a library). This test
```

```
?X: will catch those sorts of problems too, though how to fix them
```

```
?X: may not be obvious.
```

```
?X:
```

```
: coherency check
```

```
echo " "
```

```
echo "Checking your choice of C compiler and flags for coherency..." >&4
```

```
$cat > try.c <<'EOF'
```

```
#include <stdio.h>
int main() { printf("Ok\n"); return(0); }
EOF
?X: Strip extra blanks in case some of the following variables are empty
set X $cc -o try $optimize $ccflags $ldflags try.c $libs
shift
$cat >try.msg <<'EOM'
```

I've tried to compile and run the following simple program:

```
EOM
$cat
try.c >> try.msg

$cat >> try.msg <<EOM
```

I used the command:

```
$*
$run ./try
```

and I got the following output:

```
EOM
dflt=y
?X: Use "sh -c" to avoid error messages tagged with leading "Configure:".
?X: We need to try the resulting executable, because cc might yield a 0 status
?X: even when ld failed, in which case the executable will not run properly,
?X: if its x bit is set at all...
if $sh -c "$cc -o try $optimize $ccflags $ldflags try.c $libs" >>try.msg 2>&1; then
if $sh -c "$run ./try " >>try.msg 2>&1; then
xxx=`$run ./try`
case "$xxx" in
"Ok") dflt=n ;;
*) echo 'The program compiled OK, but produced no output.' >> try.msg ;;
esac
else
echo "The program compiled OK, but exited with status $?." >>try.msg
rp="You have a problem. Shall I abort Configure"
dflt=y
fi
else
echo "I can't compile the test program." >>try.msg
rp="You have a BIG problem. Shall I abort Configure"
dflt=y
fi
case "$dflt" in
y)
$cat try.msg >&4
```

```

?X: using -K will prevent
default aborting--maybe they're cross compiling?
case "$knowitall" in
")
echo "(The supplied flags or libraries might be incorrect.)"
;;
*) dflt=n;;
esac
echo " "
. ./myread
case "$ans" in
n*[N*]) ;;
*) echo "Ok. Stopping Configure." >&4
exit 1
;;
esac
;;
n) echo "OK, that should do.";;
esac
$rm_try gcctest gcctest.out

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/ccflags.U

```

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

```

?RCS: $Id: lib.U,v 3.0.1.3 1995/09/25 09:16:47 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: lib.U,v $
?RCS: Revision 3.0.1.3 1995/09/25 09:16:47 ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.2 1995/01/30 14:38:08 ram
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS: Revision 3.0.1.1 1994/08/29 16:27:40 ram
?RCS: patch32: now uses installation prefix to set the default
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:56 ram
?RCS: Baseline for dist 3.0 netwide release.

```

```

?RCS:
?LINT:
empty
?X:?MAKE:lib libexp: Getfile Loc Oldconfig Prefixit Prefixup prefixexp
?X:?MAKE: -pick add $@ %<
?X:?Y:TOP
?X:?S:lib:
?X:?S: This variable holds the name of the directory in which the user wants
?X:?S: to put public library files for the package in question. It is most
?X:?S: often a local directory such as /usr/local/lib. Programs using this
?X:?S: variable must be prepared to deal with filename expansion.
?X:?S:.
?X:?S:libexp:
?X:?S: This variable is the same as the lib variable, but is filename expanded
?X:?S: at configuration time, for convenient use in your makefiles.
?X:?S:.
?X:: determine where public libraries go
?X:set lib lib
?X:eval $prefixit
?X:case "$lib" in
?X:*)
?X: dflt=`./loc . ." $prefixexp/lib /usr/local/lib /usr/lib /lib`
?X: set dflt
?X: eval $prefixup
?X: ;;
?X:*) dflt="$lib";;
?X:esac
?X:echo " "
?X:fn=d~
?X:rp='Where do you want to put the public libraries?'
?X:. /getfile
?X:lib="$ans"
?X:libexp="$ansexp"

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/nullified/lib.U
```

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

```
?RCS: $Id: d_normsig.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```



```

?RCS:
?RCS: $Log: d_normsig.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:37:03 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:14:48 ram
?RCS: patch36: call ./bsd explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:44 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_normsig jobslib: test Setvar Guess _a
?MAKE: -pick add $@ %<
?S:d_normsig:
?S: This variable conditionally
    defines the NORMSIG symbol, which
?S: indicates to the C program that the normal signal handling routines
?S: should be used, as opposed to the ones in 4.1bsd (sigset, etc.).
?S:.
?S:jobslib:
?S: This variable holds the argument to be passed to the loader to include
?S: the strange signal handling routines from 4.1bsd. On systems that
?S: have NORMSIG defined this variable is null.
?S:.
?C:NORMSIG:
?C: This symbol, if defined, indicates that normal signal handling routines
?C: should be used, as opposed to the ones in 4.1bsd (sigset, etc.).
?C:.
?H:#$d_normsig NORMSIG /**/
?H:.
?LINT:set d_normsig
: see if we need -ljobs and if we have sigset, etc.
echo " "
if $test -r /usr/lib/libjobs$_a || $test -r /usr/local/lib/libjobs$_a ; then
echo "Jobs library found." >&4
val="$undef"
jobslib='-ljobs'
else
if ./bsd; then
echo "No jobs library found. (I suppose this is at least 4.2...)" >&4
else
echo "No jobs library found. (That's okay, we all have our faults.)" >&4
fi
val="$define"
jobslib=""
fi
set

```

d\_normsig  
eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_normsig.U

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

?RCS: \$Id: d\_mbtowc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_mbtowc.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:30 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_mbtowc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mbtowc:

?S: This variable conditionally defines the HAS\_MBTOWC symbol, which

?S: indicates to the C program that the mbtowc() routine is available

?S: to convert multibyte to a wide character.

?S:.

?C:HAS\_MBTOWC (MBTOWC):

?C: This symbol, if defined, indicates that the mbtowc routine is available

?C: to

convert a multibyte to a wide character.

?C:.

?H:#\$d\_mbtowc HAS\_MBTOWC /\*\*/

?H:.

?LINT:set d\_mbtowc

: see if mbtowc exists

set mbtowc d\_mbtowc

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mbtowc.U

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

?RCS: \$Id\$

?RCS:

```

?RCS: Copyright (c) 2001 Jarkko Hietaniemi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_syscallproto: Hasproto i_unistd
?MAKE: -pick add $@ %<
?S:d_syscallproto:
?S: This variable conditionally defines the HAS_SYSCALL_PROTO symbol,
?S: which indicates to the C program that the system provides
?S: a prototype for the syscall() function. Otherwise, it is
?S: up to the program to supply one.
?S:.
?C:HAS_SYSCALL_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the syscall() function. Otherwise, it is up
?C: to the program to supply one. Good guesses are
?C: extern
?C: int syscall(int, ...);
?C: extern int syscall(long, ...);
?C:.
?H:#$d_syscallproto HAS_SYSCALL_PROTO /**/
?H:.
?LINT:set d_syscallproto
: see if prototype for syscall is available
echo " "
set d_syscallproto syscall $i_unistd unistd.h
eval $hasproto

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_syscallproto.U

```

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

```

?RCS: $Id: i_niin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_niin.U,v $

```

```

?RCS: Revision 3.0 1993/08/18 12:08:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit looks wether <netinet/in.h> is available or not
?X:
?MAKE:i_niin i_sysin: Inhdr
?MAKE: -pick add $@ %<
?S:i_niin:
?S: This variable conditionally defines I_NETINET_IN, which indicates
?S: to the C program that it should include <netinet/in.h>. Otherwise,
?S: you may try <sys/in.h>.
?S:.
?S:i_sysin:
?S: This variable conditionally
defines I_SYS_IN, which indicates
?S: to the C program that it should include <sys/in.h> instead of
?S: <netinet/in.h>.
?S:.
?C:I_NETINET_IN:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <netinet/in.h>. Otherwise, you may try <sys/in.h>.
?C:.
?C:I_SYS_IN (I_SYSIN):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/in.h> instead of <netinet/in.h>.
?C:.
?H:#$i_niin I_NETINET_IN /**/
?H:#$i_sysin I_SYS_IN /**/
?H:.
?LINT:set i_niin i_sysin
: see if this is a netinet/in.h or sys/in.h system
set netinet/in.h i_niin sys/in.h i_sysin
eval $inhdr

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_niin.U

```

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root

```

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Typedef.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 13:42:07 ram

?RCS: patch56: added backslash escapes within evals to prevent space problems

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:01:16 ram

?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:05:14 ram

?RCS: patch32: created

?RCS:

?X:

?X: This unit checks for the definition of a given typedef.

?X:

?X: To use it, say:

?X: set typedef val\_t default [includes]

?X: eval \$typedef

?X:

?MAKE:Typedef:

cppstdin cppminus cppflags rm contains Oldconfig

?MAKE: -pick add \$@ %<

?F:!temp.c

?LINT:define typedef

?V:typedef

?S:typedef:

?S: This shell variable is used internally by Configure to check

?S: whether a given typedef is defined or not. A typical use is:

?S: set typedef val\_t default [includes]

?S: eval \$typedef

?S: That will return val\_t set to default if the typedef was not found,

?S: to typedef otherwise. If no includes are specified, look in sys/types.h.

?S:.

?T:type var def inclist varval inc

: define an is-a-typedef? function

typedef='type=\$1; var=\$2; def=\$3; shift; shift; shift; inclist=\$@;

case "\$inclist" in

"" ) inclist="sys/types.h";;

esac;

eval "varval=\\$\$var";

case "\$varval" in

"" )

\$rm -f temp.c;

for inc in \$inclist; do

echo "#include <\$inc>" >>temp.c;

done;

\$cppstdin \$cppflags \$cppminus < temp.c >temp.E 2>/dev/null;

if \$contains \$type temp.E >/dev/null 2>&1; then

```
eval "$var=\$type";
else
eval "$var=\$def";
fi;
$rm -f temp.?;;
*) eval
"$var=\$varval";;
esac'
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Typedef.U
```

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

?RCS: \$Id: i\_ndbm.U,v 3.0.1.1 1995/05/12 12:16:53 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: i\_ndbm.U,v \$

?RCS: Revision 3.0.1.1 1995/05/12 12:16:53 ram

?RCS: patch54: made more robust by checking both header and lib (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:23 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_ndbm i\_gdbmndbm i\_gdbm\_ndbm d\_ndbm d\_ndbm\_h\_uses\_prototypes \

d\_gdbmndbm\_h\_uses\_prototypes d\_gdbm\_ndbm\_h\_uses\_prototypes: \

Inhdr Inlibc Setvar test d\_cplusplus extern\_C echo Protochk

?MAKE: -pick add \$@ %<

?S:i\_ndbm:

?S: This

variable conditionally defines the I\_NDBM symbol, which

?S: indicates to the C program that <ndbm.h> exists and should

?S: be included.

?S:.

?C:I\_NDBM:

?C: This symbol, if defined, indicates that <ndbm.h> exists and should

?C: be included.

?C:.

?S:i\_gdbmndbm:

?S: This variable conditionally defines the I\_GDBMNDBM symbol, which

?S: indicates to the C program that <gdbm/ndbm.h> exists and should

?S: be included. This was the location of the ndbm.h compatibility file

?S: in RedHat 7.1.

?S:.

?C:I\_GDBMNDBM:

?C: This symbol, if defined, indicates that <gdbm/ndbm.h> exists and should

?C: be included. This was the location of the ndbm.h compatibility file

?C: in RedHat 7.1.

?C:.

?S:i\_gdbm\_ndbm:

?S: This variable conditionally defines the I\_GDBM\_NDBM symbol, which

?S: indicates to the C program that <gdbm-ndbm.h> exists and should

?S: be included. This is the location of the ndbm.h compatibility file

?S: in Debian 4.0.

?S:.

?C:I\_GDBM\_NDBM:

?C: This symbol, if defined, indicates

that <gdbm-ndbm.h> exists and should

?C: be included. This is the location of the ndbm.h compatibility file

?C: in Debian 4.0.

?C:.

?S:d\_ndbm:

?S: This variable conditionally defines the HAS\_NDBM symbol, which

?S: indicates that both the ndbm.h include file and an appropriate ndbm

?S: library exist. Consult the different i\_\*ndbm variables

?S: to find out the actual include location. Sometimes, a system has the

?S: header file but not the library. This variable will only be set if

?S: the system has both.

?S:.

?C:HAS\_NDBM:

?C: This symbol, if defined, indicates that some form of ndbm.h or compatibility

?C: include exists, along with the appropriate library.

?C:.

?S:d\_ndbm\_h\_uses\_prototypes:

?S: This variable conditionally defines the NDBM\_H\_USES\_PROTOTYPES symbol,

?S: which indicates that the ndbm.h include file uses real ANSI C

?S: prototypes instead of K&R style function declarations. K&R style

?S: declarations are unsupported in C++, so the include file requires

?S: special handling

when using a C++ compiler and this variable is

?S: undefined. Consult the different d\_\*ndbm\_h\_uses\_prototypes variables

?S: to get the same information for alternative ndbm.h include files.

?S:.

?C:NDBM\_H\_USES\_PROTOTYPES:

?C: This symbol, if defined, indicates that <ndbm.h> uses real ANSI C

?C: prototypes instead of K&R style function declarations without any

?C: parameter information. While ANSI C prototypes are supported in C++,

?C: K&R style function declarations will yield errors.

?C:.

?S:d\_gdbmndbm\_h\_uses\_prototypes:  
 ?S: This variable conditionally defines the NDBM\_H\_USES\_PROTOTYPES symbol,  
 ?S: which indicates that the gdbm/ndbm.h include file uses real ANSI C  
 ?S: prototypes instead of K&R style function declarations. K&R style  
 ?S: declarations are unsupported in C++, so the include file requires  
 ?S: special handling when using a C++ compiler and this variable is  
 ?S: undefined. Consult the different d\_\*ndbm\_h\_uses\_prototypes variables  
 ?S: to get the same information for alternative  
 ndbm.h include files.  
 ?S:.  
 ?C:GDBMNDBM\_H\_USES\_PROTOTYPES:  
 ?C: This symbol, if defined, indicates that <gdbm/ndbm.h> uses real ANSI C  
 ?C: prototypes instead of K&R style function declarations without any  
 ?C: parameter information. While ANSI C prototypes are supported in C++,  
 ?C: K&R style function declarations will yield errors.  
 ?C:.  
 ?S:d\_gdbm\_ndbm\_h\_uses\_prototypes:  
 ?S: This variable conditionally defines the NDBM\_H\_USES\_PROTOTYPES symbol,  
 ?S: which indicates that the gdbm-ndbm.h include file uses real ANSI C  
 ?S: prototypes instead of K&R style function declarations. K&R style  
 ?S: declarations are unsupported in C++, so the include file requires  
 ?S: special handling when using a C++ compiler and this variable is  
 ?S: undefined. Consult the different d\_\*ndbm\_h\_uses\_prototypes variables  
 ?S: to get the same information for alternative ndbm.h include files.  
 ?S:.  
 ?C:GDBM\_NDBM\_H\_USES\_PROTOTYPES:  
 ?C: This symbol, if defined, indicates that <gdbm-ndbm.h> uses real ANSI C  
 ?C: prototypes  
 instead of K&R style function declarations without any  
 ?C: parameter information. While ANSI C prototypes are supported in C++,  
 ?C: K&R style function declarations will yield errors.  
 ?C:.  
 ?H:#\$i\_ndbm I\_NDBM /\*\*/  
 ?H:#\$i\_gdbmndbm I\_GDBMNDBM /\*\*/  
 ?H:#\$i\_gdbm\_ndbm I\_GDBM\_NDBM /\*\*/  
 ?H:#\$d\_ndbm HAS\_NDBM /\*\*/  
 ?H:#\$d\_ndbm\_h\_uses\_prototypes NDBM\_H\_USES\_PROTOTYPES /\*\*/  
 ?H:#\$d\_gdbmndbm\_h\_uses\_prototypes GDBMNDBM\_H\_USES\_PROTOTYPES /\*\*/  
 ?H:#\$d\_gdbm\_ndbm\_h\_uses\_prototypes GDBM\_NDBM\_H\_USES\_PROTOTYPES /\*\*/  
 ?H:.  
 ?T:d\_dbm\_open name hdr ihdr ndbm\_hdr\_protochk  
 ?LINT:set d\_ndbm d\_gdbmndbm\_h\_uses\_prototypes d\_gdbm\_ndbm\_h\_uses\_prototypes  
 d\_ndbm\_h\_uses\_prototypes  
 : see if ndbm.h is available  
 set ndbm.h i\_ndbm  
 eval \$inhdr  
 : Compatibility location for RedHat 7.1  
 set gdbm/ndbm.h i\_gdbmndbm



```

eval $inhdr
: Compatibility location for Debian 4.0
set gdbm-ndbm.h i_gdbm_ndbm
eval $inhdr

val="$undef"
if $test "$i_ndbm" = "$define" -o "$i_gdbmndbm" = "$define" -o "$i_gdbm_ndbm" = "$define"; then
: see if dbm_open exists
set
dbm_open d_dbm_open
eval $inlibc
case "$d_dbm_open" in
$undef)
i_ndbm="$undef"
i_gdbmndbm="$undef"
i_gdbm_ndbm="$undef"
echo "We won't be including <ndbm.h>"
val="$undef"
;;
*) val="$define"
;;
esac
fi
set d_ndbm
eval $setvar

ndbm_hdr_protochk='name=$1; hdr=$2;
eval "ihdr=\${i}_$name";
val="$undef";
if $test "$ihdr" = "$define"; then
$echo "Checking if your <$hdr> uses prototypes..." >&4;
case "$d_cplusplus" in
$define) ./protochk "$extern_C void dbm_close(DBM *);" literal "extern \"C\" { \"$ihdr $hdr literal }" &&
val="$define" ;;
*) ./protochk "$extern_C void dbm_close(int, int);" $ihdr $hdr || val="$define" ;;
esac;
case "$val" in
$define) $echo "Your <$hdr> seems to have prototypes";;
*) $echo "Your <$hdr> does not seem to have prototypes";;
esac;
fi;
set "d_{$name}_h_uses_prototypes";
eval $setvar'

set ndbm ndbm.h
eval $ndbm_hdr_protochk
set gdbmndbm gdbm/ndbm.h
eval $ndbm_hdr_protochk

```

```
set gdbm_ndbm gdbm-ndbm.h
eval $ndbm_hdr_protochk
```

#### Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_ndbm.U
```

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

?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_cmsg\_hdr\_s: Hasstruct i\_systypes d\_socket i\_sysuio Setvar

?MAKE: -pick add \$@ %<

?S:d\_cmsg\_hdr\_s:

?S: This variable conditionally defines the HAS\_STRUCT\_CMSGHDR symbol,

?S: which indicates that the struct cmsghdr is supported.

?S:.

?C:HAS\_STRUCT\_CMSGHDR:

?C: This symbol, if defined, indicates that the struct cmsghdr

?C: is supported.

?C:.

?H:#\$d\_cmsg\_hdr\_s HAS\_STRUCT\_CMSGHDR /\*\*/

?H:.

?LINT:set d\_cmsg\_hdr\_s

: Check for cmsghdr support

echo " "

echo "Checking to see if your system supports struct cmsghdr..." >&4

set d\_cmsg\_hdr\_s cmsghdr \$i\_systypes sys/types.h \$d\_socket sys/socket.h \$i\_sysuio sys/uio.h

eval \$hasstruct

case "\$d\_cmsg\_hdr\_s" in

"\$define") echo "Yes, it does." ;;

\*) echo

"No, it doesn't." ;;

esac

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_cmsg_hdr_s.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_varhdr.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:54:42 ram  
?RCS: patch61: varargs script now starts with leading "startsh"  
?RCS:  
?RCS: Revision 3.0.1.2 1994/10/29 16:21:02 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/13 15:26:05 ram  
?RCS: patch27: this unit now supersedes old i\_stdarg.U and i\_varargs.U  
?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:49 ram  
?RCS: Baseline for  
dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_stdarg i\_varargs i\_varhdr: cat +cc +ccflags rm test Setvar \  
Findhdr Warn startsh \_o  
?MAKE: -pick add \$@ %<  
?S:i\_stdarg:  
?S: This variable conditionally defines the I\_STDARG symbol, which  
?S: indicates to the C program that <stdarg.h> exists and should  
?S: be included.  
?S:.  
?S:i\_varargs:  
?S: This variable conditionally defines I\_VARARGS, which indicates  
?S: to the C program that it should include <varargs.h>.  
?S:.  
?S:i\_varhdr:  
?S: Contains the name of the header to be included to get va\_dcl definition.  
?S: Typically one of varargs.h or stdarg.h.  
?S:.  
?C:I\_STDARG:  
?C: This symbol, if defined, indicates that <stdarg.h> exists and should  
?C: be included.  
?C:.  
?C:I\_VARARGS:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <varargs.h>.  
?C:.  
?H:#\$i\_stdarg I\_STDARG /\*\*/  
?H:#\$i\_varargs I\_VARARGS /\*\*/

```

?H:
?W:%<:va_dcl
?F:!varargs
?T:valstd
?LINT:set i_stdarg i_varargs
?X:
?X: Don't use setvar because the varargs test
    below might override these.
?X: Actually, the messages here are just informative. We don't wish to set
?X: i_varargs or i_stdarg to their final value before knowing which of the
?X: two we'll include.
?X:
: see if stdarg is available
echo " "
if $test `./findhdr stdarg.h`; then
    echo "<stdarg.h> found." >&4
    valstd="$define"
else
    echo "<stdarg.h> NOT found." >&4
    valstd="$undef"
fi

: see if varargs is available
echo " "
if $test `./findhdr varargs.h`; then
    echo "<varargs.h> found." >&4
else
    echo "<varargs.h> NOT found, but that's ok (I hope)." >&4
fi

?X:
?X: if you have stdarg.h, you need to support prototypes to actually use it;
?X: but if stdarg.h exists and the compiler doesn't support prototypes (for some
?X: bizarre reason), we'll fall back to varargs.h anyway so it's not so bad.
?X:
: set up the varargs testing programs
$cat > varargs.c <<EOP
#ifdef I_STDARG
#include <stdarg.h>
#endif
#ifdef I_VARARGS
#include <varargs.h>
#endif

#ifdef I_STDARG
int f(char *p, ...)
#else
int

```

```

f(va_alist)
va_dcl
#endif
{
va_list ap;
#ifndef I_STDARG
char *p;
#endif
#ifdef I_STDARG
va_start(ap,p);
#else
va_start(ap);
p = va_arg(ap, char *);
#endif
va_end(ap);
}
EOP
$cat > varargs <<EOP
$startsh
if $cc -c $ccflags -D\${1} varargs.c >/dev/null 2>&1; then
echo "true"
else
echo "false"
fi
$rm -f varargs$_o
EOP
chmod +x varargs

: now check which varargs header should be included
echo " "
i_varhdr="
case "$valstd" in
"$define")
if `./varargs I_STDARG`; then
val='stdarg.h'
elif `./varargs I_VARARGS`; then
val='varargs.h'
fi
;;
*)
if `./varargs I_VARARGS`; then
val='varargs.h'
fi
;;
esac
case "$val" in
")
./warn "I could not find the definition for va_dcl... You have problems..."

```

```

val="$undef"; set i_stdarg; eval $setvar
val="$undef"; set i_varargs; eval $setvar
;;
*)
set i_varhdr
eval $setvar
case "$i_varhdr" in
stdarg.h)
val="$define"; set i_stdarg; eval $setvar
val="$undef"; set i_varargs; eval $setvar
;;
varargs.h)
val="$undef"; set i_stdarg;
eval $setvar
val="$define"; set i_varargs; eval $setvar
;;
esac
echo "We'll include <$i_varhdr> to get va_dcl definition." >&4;;
esac
$rm -f varargs*

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/i_varhdr.U

```

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

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Options.U,v \$

?RCS: Revision 3.0.1.7 1997/02/28 15:08:15 ram

?RCS: patch61: optdef.sh now starts with a "startsh"

?RCS: patch61: moved some code from Head.U

?RCS:

?RCS: Revision 3.0.1.6 1995/09/25 09:14:46 ram

?RCS: patch59: protected option parsing code against 'echo -\*' option failure

?RCS:

?RCS: Revision 3.0.1.5 1995/05/12 12:04:52 ram

?RCS: patch54: added -K option for experts

?RCS:

?RCS: Revision 3.0.1.4 1995/01/30 14:27:52 ram

?RCS: patch49: this unit now exports file optdef.sh,  
not a variable

?RCS:

?RCS: Revision 3.0.1.3 1995/01/11 15:19:00 ram

?RCS: patch45: new -O option allowing -D and -U to override config.sh settings

?RCS: patch45: file optdef.sh is no longer removed after sourcing

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 15:58:06 ram

?RCS: patch36: ensure option definition file is removed before appending

?RCS: patch36: protect variable definitions with spaces in them

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 06:55:44 ram

?RCS: patch30: now uses new me symbol to tag error messages

?RCS: patch30: new -D and -U options to define/undef symbols (JHI)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:14 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: Command line parsing. It is really important that the variables used here  
?X: be not listed in the MAKE line, or they will be saved in config.sh and  
?X: loading this file to fetch default answers would clobber the values set  
?X: herein.

?X:

?MAKE:Options: startsh

?MAKE: -pick wipe \$@ %<

?V:reuseval

alldone error realsilent silent extractsh fastread \  
override knowitall: config\_sh

?T:arg argn symbol config\_arg0 config\_args config\_argc xxx yyy zzz uuu

?T:args\_exp args\_sep arg\_exp

?F:!Configure

?F:./optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt

: Save command line options in file UU/cmdline.opt for later use in  
: generating config.sh.

?X: This temporary file will be read by Oldsym.U. I used a temporary  
?X: file to preserve all sorts of potential command line quotes and  
?X: also because we don't know in advance how many variables we'll  
?X: need, so I can't actually declare them on the MAKE line.  
?X: The config\_args variable won't be quite correct if Configure is  
?X: fed something like ./Configure -Dcc="gcc -B/usr/ccs/bin/"  
?X: since the quotes are gone by the time we see them. You'd have to  
?X: reconstruct the command line from the config\_arg? lines, but since  
?X: I don't imagine anyone actually having to do that, I'm not going  
?X: to worry too much.

cat > cmdline.opt

<<EOSH

: Configure command line arguments.

```

config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=""
args_sep=""
for arg in "$@"; do
    cat >>cmdline.opt <<EOSH
    config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by """"
    cat <<EOC | sed -e "s/'/''''''''''''''/g" > cmdl.opt
    $arg
EOC
    arg_exp=`cat cmdl.opt`
    args_exp="$args_exp$args_sep'$arg_exp'"
    argn=`expr $argn + 1`
    args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

```

: produce awk script to parse command line options

```

cat >options.awk <<'EOF'
BEGIN {
    optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification

```

```

    len = length(optstr);
    for (i = 1; i <= len; i++) {
        c = substr(optstr, i, 1);
?X: some older awk's do not have the C ?: construct
        if (i < len) a = substr(optstr, i + 1, 1); else a = "";
        if (a == ":") {
            arg[c] = 1;
            i++;
        }
        opt[c] = 1;
    }
}
{
    expect = 0;
    str = $0;
    if (substr(str,
1, 1) != "-") {
        printf("%s\n", str);
        next;

```



```

}
len = length($0);
for (i = 2; i <= len; i++) {
  c = substr(str, i, 1);
  if (!opt[c]) {
    printf("-%s\n", substr(str, i));
    next;
  }
  printf("-%s\n", c);
  if (arg[c]) {
    if (i < len)
      printf("%s\n", substr(str, i + 1));
    else
      expect = 1;
    next;
  }
}
}
}
END {
  if (expect)
    print "?";
}
EOF

```

: process the command line options

```

?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
  sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

```

: set up default values

```

fastread=""
reuseval=false
config_sh=""
alldone=""
error=""
silent=""
extractsh=""
override=""
knowitall=""
rm

```

```
-f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS
```

?X:

?X: Given that we now have the possibility to execute Configure remotely

?X: thanks to the new src.U support, we have to face the possibility

?X: of having to ask where the source lie, which means we need the Myread.U

?X: stuff and possibly other things that might echo something on the

?X: screen...

?X:

?X: That's not pretty, and might be confusing in 99% of the time. So...

?X: We introduce a new realsilent variable which is set when -s is given,

?X: and we force silent=true if -S is supplied. The Extractall.U unit

?X: will then undo the >&4 redirection based on the value of the

?X: realsilent variable... -- RAM, 18/93/96

?X:

: option parsing

```
while test $# -gt 0; do
```

```
case "$1" in
```

```
-d) shift; fastread=yes;;
```

```
-e) shift; alldone=cont;;
```

```
-f)
```

```
shift
```

```
cd ..
```

```
if test -r "$1"; then
```

```
config_sh="$1"
```

```
else
```

```
echo "$me: cannot read config file $1." >&2
```

```
error=true
```

```
fi
```

```
cd UU
```

```
shift;;
```

```
-h)
```

```
shift; error=true;;
```

```
-r) shift; reuseval=true;;
```

```
-s) shift; silent=true; realsilent=true;;
```

```
-E) shift; alldone=exit;;
```

```
-K) shift; knowitall=true;;
```

```
-O) shift; override=true;;
```

```
-S) shift; silent=true; extractsh=true;;
```

```
-D)
```

```
shift
```

```
case "$1" in
```

```
*=)
```

```
echo "$me: use '-U symbol=', not '-D symbol='." >&2
```

```

echo "$me: ignoring -D $1" >&2
;;
*=*) echo "$1" | \
    sed -e "s/'^\"'/g" -e "s/=(.*)/=\\1/'" >> optdef.sh;;
*) echo "$1='define'" >> optdef.sh;;
esac
shift
;;
-U)
shift
case "$1" in
*=*) echo "$1" >> optdef.sh;;
*=*)
    echo "$me: use '-D symbol=val', not '-U symbol=val'." >&2
    echo "$me: ignoring -U $1" >&2
    ;;
*) echo "$1='undef'" >> optdef.sh;;
esac
shift
;;
-A)
    shift
    xxx=""
    yyy="$1"
    zzz=""
    uuu=undef
    case "$yyy" in
        *=*) zzz=`echo "$yyy"|sed 's!=.*!!'^
            case "$zzz" in
                *.* ) zzz="" ;;
                *) xxx=append
                    zzz="" ``echo
"$yyy"|sed 's!^[^=]*!!'^
                    yyy=`echo "$yyy"|sed 's!=.*!!'^ ;;
            esac
        ;;
    esac
    case "$xxx" in
        ") case "$yyy" in
            *.* ) xxx=`echo "$yyy"|sed 's!:..*!!'^
                yyy=`echo "$yyy"|sed 's!^[^:]*!!'^
                zzz=`echo "$yyy"|sed 's!^[^=]*!!'^
                yyy=`echo "$yyy"|sed 's!=.*!!'^ ;;
            *) xxx=`echo "$yyy"|sed 's!:..*!!'^
                yyy=`echo "$yyy"|sed 's!^[^:]*!!'^ ;;
        esac
    ;;
esac

```

```

    case "$xxx" in
    append)
echo "$yyy=\"\${$yyy}$zzz\""" >> posthint.sh ;;
    clear)
echo "$yyy="" >> posthint.sh ;;
    define)
        case "$zzz" in
") zzz=define ;;
esac
echo "$yyy='$zzz'" >> posthint.sh ;;
    eval)
echo "eval \"\$yyy=$zzz\""" >> posthint.sh ;;
    prepend)
echo "$yyy=\"$zzz\${$yyy}\""" >> posthint.sh ;;
    undef)
        case "$zzz" in
")
zzz="$uuu" ;;
esac
echo "$yyy=$zzz" >> posthint.sh ;;
        *) echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
esac
done

```

```

case "$error" in
true)
cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
        [-U symbol] [-U symbol=] [-A command:symbol...]
-d : use defaults for all answers.
-e : go on without questioning past the production of config.sh.
-f : specify an alternate default configuration file.
-h : print this help message and exit (with an error status).
-r : reuse C symbols value if possible (skips costly nm extraction).
-s : silent mode, only echoes questions and essential information.
-D : define symbol to have some value:
    -D symbol      symbol gets the value 'define'
    -D symbol=value
        symbol gets the value 'value'
-E : stop at the end of questions, after having produced config.sh.

```

-K : do not use unless you know what you are doing.  
 -O : let -D and -U override definitions from loaded configuration file.  
 -S : perform variable substitutions on all .SH files (can mix with -f)  
 -U : undefine symbol:  
     -U symbol symbol gets the value 'undef'  
     -U symbol= symbol gets completely empty  
 -A : manipulate symbol after the platform specific hints have been applied:  
 -A symbol=value append " "value to symbol  
 -A append:symbol=value append value to symbol  
 -A define:symbol=value define symbol to have value  
     -A clear:symbol define symbol to be "  
 -A define:symbol define symbol to be 'define'  
 -A eval:symbol=value define symbol to be eval of value  
 -A prepend:symbol=value prepend value to symbol  
 -A undef:symbol define symbol to be 'undef'  
 -A undef:symbol= define symbol to be "  
 -V : print version number and exit (with  
 a zero status).

EOM

exit 1

::

esac

?X:

?X: Unless they specified either -S or both -d and -e/E, make sure we're

?X: running interactively, i.e. attached to a terminal. Moved from Head.U to

?X: be able to handle batch configurations...

?X:

?X: We have to hardwire the Configure name and cannot use \$me, since if they

?X: said 'sh <Configure', then \$me is 'sh'...

?X:

: Sanity checks

case "\$fastread\$alldone" in

yescont|yesexit) ;;

\*)

case "\$extractsh" in

true) ;;

\*)

if test ! -t 0; then

  echo "Say 'sh Configure', not 'sh <Configure'"

  exit 1

fi

::

esac

::

esac

?X: In silent mode, the standard output is closed. Questions are asked by

?X: outputing on file descriptor #4, which is the original stdout descriptor.  
?X: This filters out all the "junk", since all the needed information is written  
?X: on #4. Note that ksh will not let us redirect output if the file descriptor  
?X: has not be defined yet, unlike sh, hence the following line...--RAM.  
exec 4>&1  
case "\$silent" in  
true)  
exec 1>/dev/null;;  
esac

: run the defines and the undefines, if any, but leave the file out there...

touch optdef.sh

./optdef.sh

: create the posthint manipulation script and leave the file out there...

?X: this file will be perused by Oldconfig.U

touch posthint.sh

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Options.U

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

?RCS: \$Id: d\_loconv.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_loconv.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:14:11 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_loconv: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_loconv:

?S: This variable conditionally defines HAS\_LOCALECONV if localeconv() is

?S: available for numeric and monetary formatting conventions.

?S:.

?C:HAS\_LOCALECONV:

?C: This symbol, if defined, indicates that the localeconv

routine is

?C: available for numeric and monetary formatting conventions.

```
?C:
?H:#$d_loconv HAS_LOCALECONV /**/
?H:
?LINT:set d_loconv
: see if localeconv exists
set localeconv d_loconv
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_loconv.U
```

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

```
?RCS: $Id: Head.U 6 2006-08-25 22:21:46Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Head.U,v $
?RCS: Revision 3.0.1.9 1997/02/28 15:02:09 ram
?RCS: patch61: make sure we unset CDPATH for shells that support this
?RCS: patch61: improved Korn shell detection and handling
?RCS:
?RCS: Revision 3.0.1.8 1995/07/25 13:40:02 ram
?RCS: patch56: added SVR4-ish /opt directories to path list (ADO)
?RCS: patch56: OS/2 platforms are using another path separator
?RCS:
?RCS: Revision 3.0.1.7 1995/03/21 08:46:15 ram
?RCS: patch52: definition of
paths wrongly added spurious ':' chars
?RCS:
?RCS: Revision 3.0.1.6 1994/10/29 15:54:19 ram
?RCS: patch36: make sure ENV is unset before calling /bin/ksh
?RCS:
?RCS: Revision 3.0.1.5 1994/08/29 16:03:44 ram
?RCS: patch32: now sets PATH only using existing directories
?RCS:
?RCS: Revision 3.0.1.4 1994/06/20 06:54:28 ram
?RCS: patch30: now computes its invocation name into 'me'
?RCS: patch30: symbol me is made visible to all units read-only
?RCS:
?RCS: Revision 3.0.1.3 1993/12/15 08:15:07 ram
?RCS: patch15: added /sbin:/usr/sbin:/usr/libexec in PATH for BSD/386
```

```

?RCS:
?RCS: Revision 3.0.1.2 1993/11/10 17:32:35 ram
?RCS: patch14: ensure PATH is reset to '.' before testing for alias
?RCS:
?RCS: Revision 3.0.1.1 1993/08/27 14:38:07 ram
?RCS: patch7: not all 'test' programs support the -x option
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:58 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This is the very first unit in the Configure script. It is mostly just
?X:
things to keep people from getting into a tizzy right off the bat.
?X:
?MAKE:Head:
?MAKE: -pick wipe $@ %<
?V:PATH p_ _exe me newsh
?T:argv p paths OS2_SHELL DJGPP
?T:inksh needksh avoidksh newsh changesh reason
?F:!*
?LINT:extern ENV CDPATH SHELL MACHTYPE _exe is_os2
?LINT:change ENV CDPATH is_os2
?LINT:nocomment
#!/bin/sh
#
# If these # comments don't work, trim them. Don't worry about any other
# shell scripts, Configure will trim # comments from them for you.
#
# (If you are trying to port this package to a machine without sh,
# I would suggest you have a look at the prototypical config_h.SH file
# and edit it to reflect your system. Some packages may include samples
# of config.h for certain machines, so you might look for one of those.)
#
?X:
?X: NOTE THAT A CONFIGURE SCRIPT IS IN THE PUBLIC DOMAIN (whether or not
?X: the software which uses it is in the public domain).
?X:
# Yes, you may rip this off to use in other distribution packages. This
# script belongs to the public
domain and cannot be copyrighted.
#
?X:
?X: WE ASK YOU NOT TO REMOVE OR ALTER THE FOLLOWING PARAGRAPH, PLEASE:
?X:
# Note: this Configure script was generated automatically by the tool
# called "metaconfig". Rather than working with this copy of Configure,
# you should use metaconfig. Perl uses a modified version of this

```



```

# tool, and this, together with the metaconfig units, are available
# in the git repository:
# $ git clone https://github.com/perl5-metaconfig/metaconfig metaconfig
# The original dist package (including metaconfig) is available on github:
# $ git clone https://github.com/rmanfredi/dist.git dist-git
#
?X: OK, I'll not alter, but I'll add to it then ...
# Though this script was generated by metaconfig from metaunits, it is
# OK to send patches against Configure itself (but not to commit them
# to bleed). It's up to
# the Configure maintainers to backport the patch to the metaunits if it
# is accepted. Exceptions to this rule, and more information, is in
# Porting/pumpkin.pod.
?X:
?X:
NOTA BENE:
?X: If you develop you own version of metaconfig based on this work,
?X: you have to add some comments telling that the script was generated
?X: by your version, not mine: It credits your work.
?X:

# Generated using [metaconfig <VERSION> PL<PATCHLEVEL>]
# (with additional metaconfig patches by <MAINTLOC>)

```

```

cat >c1$$ <<EOF
ARGGGHHHH!!!!

```

SCO csh still thinks true is false. Write to SCO today and tell them that next year Configure ought to "rm /bin/csh" unless they fix their blasted shell. :-)

(Actually, Configure ought to just patch csh in place. Hmm. Hmmmmm. All we'd have to do is go in and swap the && and || tokens, wherever they are.)

[End of diatribe. We now return you to your regularly scheduled programming...]

```

EOF
cat >c2$$ <<EOF

```

```

OOPS! You naughty creature! You didn't run Configure with sh!
I will attempt to remedy the situation by running sh for you...
EOF

```

```

true || cat c1$$ c2$$
true || exec sh $0 $argv:q

```

```

(exit $?0) || cat c2$$
(exit
$?0) || exec sh $0 $argv:q
rm -f c1$$ c2$$

```

```

if test -f /dev/cputype -a -f /dev/drivers -a -f /dev/osversion; then
  cat <<EOF
  ***
  *** I'm sorry but this system looks like Plan 9 and Plan 9 doesn't do
  *** Configure that well. (Plan 9 is close to UNIX but not close enough.)
  *** Please read the README.plan9 for further instructions.
  *** Cannot continue, aborting.
  ***
EOF
  exit 1
fi

if test -f /sys/utilities/MultiView ; then
  # AmigaOS, test -c for /dev/null is not useful
  :
elif test ! -c /dev/null ; then
  cat <<EOF
  ***
  *** I'm sorry, but /dev/null appears to be a file rather than a device.
  *** Please consult your operating system's notes for making a device
  *** in /dev.
  *** Cannot continue, aborting.
  ***
EOF
  exit 1
fi

: compute my invocation name
me=$0
case "$0" in
*/*)
  me=`echo $0 | sed -e 's!.*\(\.*\)!\1!' 2>/dev/null`
  test "$me" || me=$0
  ;;
esac

?X:
?X: To be able to run under OS/2, we must detect that early enough to use
?X: the proper path separator, stored in $p_. It is : on
  UNIX and ; on
?X: DOS-ish systems such as OS/2.
?X:
: Proper separator for the PATH environment variable
p_=:
: On OS/2 this directory should exist if this is not floppy only system ":-]"
if test -d c:/ || ( uname -a | grep -i 'os\(\(\|\)2' 2>&1 ) 2>&1 >/dev/null ; then
  if test -n "$OS2_SHELL"; then

```

```

p_=\;
PATH=`cmd /c "echo %PATH%" | tr '\|\|' /`
?X: That's a bug in ksh5.22
OS2_SHELL=`cmd /c "echo %OS2_SHELL%" | tr '\|\|' / | tr '[A-Z]' '[a-z]`
is_os2=yes
elif test -n "$DJGPP"; then
case "X${MACHTYPE:-nonesuchmach}" in
*cygwin|*msys) ;;
*) p_=\; ;;
esac
fi
fi

?X:
?X: There are two schools of thoughts here. Some people correctly argue that
?X: the user has a better chance than we do of setting a reasonable PATH and
?X: others argue that Configure is the best place there is to set up a suitable
?X: PATH. Well, here we try to compromise by keeping the user's PATH and
?X: appending some directories which are known to work on some machine or the
?X: other. The rationale
behind this being that a novice user might not have a
?X: proper environment variable set, and some directories like /etc (where
?X: chown is located on some BSD systems) may be missing--RAM.
?X:
?X: SVR4 adds an /opt directory for optional packages. Some sites use
?X: various permutations on /opt as opposed to /usr or /usr/local.-- ADO
?X:
?X: We only add directories that are not already in the PATH of the
?X: user and the directories must exist also.
?X:
?X: 20040627, Merijn, HP-UX's ANSI compiler is in /opt/ansic/bin if present
?X: and should be before /usr/ccs/bin, where the braindead bundled compiler
?X: can be found. The /usr/ccs/bin compiler cannot be used to build perl.
?X:
: Proper PATH setting
paths=/bin /usr/bin /usr/local/bin /usr/ucb /usr/local /usr/lbin'
paths="$paths /opt/bin /opt/local/bin /opt/local /opt/lbin"
paths="$paths /usr/5bin /etc /usr/gnu/bin /usr/new /usr/new/bin /usr/nbin"
paths="$paths /opt/gnu/bin /opt/new /opt/new/bin /opt/nbin"
paths="$paths /sys5.3/bin
/sys5.3/usr/bin /bsd4.3/bin /bsd4.3/usr/ucb"
paths="$paths /bsd4.3/usr/bin /usr/bsd /bsd43/bin /opt/ansic/bin /usr/ccs/bin"
paths="$paths /etc /usr/lib /usr/ucblib /lib /usr/ccs/lib"
paths="$paths /sbin /usr/sbin /usr/libexec"
paths="$paths /system/gnu_library/bin"

for p in $paths
do

```

```

case "$p_$PATH$p_" in
*$p_$p$p_*) ;;
*) test -d $p && PATH=$PATH$p_$p ;;
esac
done

```

```

PATH=.$p_$PATH
export PATH

```

: shall we be using ksh?

```
inksh=""
```

```
needksh=""
```

```
avoidksh=""
```

```
newsh=/bin/ksh
```

```
changesh=""
```

?X: Use (alias -x) and not (alias) since zsh and bash recognize the alias

?X: builtin but not the -x option which is typically ksh...

?X: We need to set up PATH before calling the "alias" built-in since some

?X: systems like HP-UX have a binary called /bin/alias.

```
if (PATH=.; alias -x) >/dev/null 2>&1; then
```

```
    inksh=true
```

```
fi
```

?X: On HP-UX, large Configure scripts may exercise a bug in /bin/sh, use ksh

```
if test -f /hp-ux -a -f /bin/ksh; then
```

```
    needksh='to avoid sh bug in "here document" expansion'
```

```
fi
```

?X: On

AIX4, /bin/sh is really ksh and it causes problems, use sh

```
if test -d /usr/lpp -a -f /usr/bin/bsh -a -f /usr/bin/uname; then
```

```
    if test X`/usr/bin/uname -v` = X4; then
```

```
        avoidksh="to avoid AIX 4's /bin/sh"
```

```
        newsh=/usr/bin/bsh
```

```
    fi
```

```
fi
```

?X: On Digital UNIX, /bin/sh may start up buggy /bin/ksh, use sh

```
if test -f /osf_boot -a -f /usr/sbin/setld; then
```

```
    if test X`/usr/bin/uname -s` = XOSF1; then
```

```
        avoidksh="to avoid Digital UNIX' ksh"
```

```
        newsh=/bin/sh
```

?X: if BIN\_SH is set to 'xpg4', sh will start up ksh

```
    unset BIN_SH
```

```
fi
```

```
fi
```

?X: If we are not in ksh and need it, then feed us back to it

```
case "$inksh/$needksh" in
```

```
/[a-z]*)
```

?X: Clear ENV to avoid any ~/.kshrc that could alias cd or whatever...

?X: Don't use "unset ENV", that is not portable enough

```

ENV="
changesh=true
reason="$needksh"
;;
esac
?X: If we are in ksh and must avoid it, then feed us back to a new shell
case "$inksh/$avoidksh" in
true/[a-z]*)
changesh=true
reason="$avoidksh"
;;
esac
?X: Warn them if they use ksh on other systems,
which are those where
?X: we don't need ksh nor want to avoid it explicitly, yet are using it.
case "$inksh/$needksh-$avoidksh-" in
true/--)
cat <<EOM
(I see you are using the Korn shell. Some ksh's blow up on $me,
mainly on older exotic systems. If yours does, try the Bourne shell instead.)
EOM
;;
esac
case "$changesh" in
true)
export newsh
echo "(Feeding myself to $newsh $reason.)"
?X: Make sure they didn't say sh <Configure by checking whether $0 ends
?X: with Configure or not. If they did say sh <././Configure, then too
?X: bad for them anyway, since we lost that path indication...
?X: Otherwise, execing $0 ensures we keep the full remote source dir
?X: indication for src.U.
case "$0" in
Configure|*/Configure) exec $newsh $0 "$@";;
*) exec $newsh Configure "$@";;
esac
;;
esac
?X: 2004.06.09 rac
?X: having $newsh persist as ksh here is bad news if ksh doesn't really
?X: exist. this causes us to toss away a perfectly good working test in
?X: bash in favor of more exotic
external options. see bug 42665.
test -x "${newsh}" || unset newsh

?X: Unset CDPATH to avoid surprises when using cd under some shells
?X: Can't unset it because that's not portable to very old shells.
?X: Can't set it to " because then bash 2.02 won't do "cd UU" --AD 6/98.

```

```

?X: Don't want to set it to '' because then ksh prints out the
?X: name of the directory every time you cd to it. --AD 6/98
?X: In order to inflict the least harm, change it only if it's set.
: if needed, set CDPATH to a harmless value that is not chatty
: avoid bash 2.02 problems with empty CDPATH.
case "$CDPATH" in
") ;;
*) case "$SHELL" in
*bash*) CDPATH='.' ;;
*) CDPATH="" ;;
esac
;;
esac

```

: Configure runs within the UU subdirectory

```
test -d UU || mkdir UU
```

?X: Use ./\* to avoid any confirmation prompts from enhanced shells -- WED

```
cd UU && rm -f ./*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Head.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:usemultiplicity: useithreads Myread Oldconfig Setvar

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usemultiplicity:

?S: This variable conditionally defines the MULTIPLICITY symbol,

?S: and indicates that Perl should be built to use multiplicity.

?S:.

?C:MULTIPLICITY:

?C: This symbol, if defined, indicates that Perl should

?C: be built to use multiplicity.

?C:.

?H:%<:#ifndef MULTIPLICITY

?H:%<:#\$usemultiplicity MULTIPLICITY /\*\*/

?H:%<:#endif

?H:.

?LINT:set usemultiplicity

?INIT:: set usemultiplicity on the Configure command line to enable multiplicity.

: Check if multiplicity is required  
?X: We should really have some explanatory text here, and some  
?X: automatic setting of sensible defaults.  
cat <<EOM

Perl  
can be built so that multiple Perl interpreters can coexist  
within the same Perl executable.  
EOM

```
case "$useithreads" in
$define)
cat <<EOM
This multiple interpreter support is required for interpreter-based threads.
EOM
val="$define"
;;
*) case "$usemultiplicity" in
$define|true|[yY]*) dflt='y';;
*) dflt='n';;
esac
echo " "
echo "If this doesn't make any sense to you, just accept the default '$dflt'."
rp='Build Perl for multiplicity?'
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
;;
esac
set usemultiplicity
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usemultiplicity.U
```

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

?RCS: \$Id: n.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

```

?RCS:
?RCS: $Log: n.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:19 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:n c: contains
?MAKE: -pick add $@ %<
?S:n
?S: This variable contains the -n flag if that is what causes the echo
?S: command to suppress newline. Otherwise it is null. Correct usage is
?S: $echo $n "prompt for a question: $c".
?S:.
?S:c
?S: This variable contains the \c string if that is what causes the echo
?S: command to suppress newline.
    Otherwise it is null. Correct usage is
?S: $echo $n "prompt for a question: $c".
?S:.
: first determine how to suppress newline on echo command
echo " "
echo "Checking echo to see how to suppress newlines..."
(echo "hi there\c" ; echo " ") >.echotmp
if $contains c .echotmp >/dev/null 2>&1 ; then
    echo "...using -n."
    n='-n'
    c=""
else
    cat <<'EOM'
...using \c
EOM
n=""
c='\c'
fi
echo $n "The star should be here-->$c"
echo '*'
rm -f .echotmp

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/n.U
```

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

```

?RCS: $Id: vaprotol.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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```



?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Orginal Author: Graham Stoney <greyham@research.canon.oz.au>  
?RCS:  
?RCS: \$Log: vaprotov.U,v \$  
?RCS: Revision 3.0.1.1 1994/01/24 14:17:16 ram  
?RCS: patch16: definition of \_V now appears only when needed  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:59 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:vaprotov: prototype i\_stdarg Setvar  
?MAKE:-pick add \$@ %<  
?S:vaprotov:  
?S: This variable conditionally defines CAN\_VAPROTO on systems supporting  
?S: prototype  
declaration of functions with a variable number of  
?S: arguments. See also prototype.  
?S:.  
?C:CAN\_VAPROTO ~ %<:  
?C: This variable is defined on systems supporting prototype declaration  
?C: of functions with a variable number of arguments.  
?C:.  
?C:\_V:  
?C: This macro is used to declare function parameters in prototypes for  
?C: functions with a variable number of parameters. Use double parentheses.  
?C: For example:  
?C:  
?C: int printf \_V((char \*fmt, ...));  
?C:  
?C: Remember to use the plain simple \_() macro when declaring a function  
?C: with no variable number of arguments, since it might be possible to  
?C: have a non-effect \_V() macro and still get prototypes via \_().  
?C:.  
?H:?%<:#\$vaprotov CAN\_VAPROTO /\*\*/  
?H:?\_V:#ifdef CAN\_VAPROTO  
?H:?\_V:#define \_V(args) args  
?H:?\_V:#else  
?H:?\_V:#define \_V(args) ()  
?H:?\_V:#endif  
?H:.  
?W:%<:\_V  
?LINT:set vaprotov  
: see if prototypes support variable argument declarations  
echo " "  
case "\$prototype\$i\_stdarg" in

```

$define$define)
echo "It appears we'll
be able to prototype varargs functions." >&4
val="$define"
;;
*)
echo "Too bad... We won't be using prototyped varargs functions..." >&4
val="$undef"
;;
esac
set vaproto
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/vaproto.U

```

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

```

?RCS: $Id: contains.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: contains.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:35 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:contains: Nothing
?MAKE: -pick add $@ %<
?S:contains:
?S: This variable holds the command to do a grep with a proper return
?S: status. On most sane systems it is simply "grep". On insane systems
?S: it is a grep followed by a cat followed by a test. This variable
?S: is primarily for the use of other Configure units.
?S:.
: Some
  greps do not return status, grrr.
echo "grimblepritz" >grimble
if grep blurfldyick grimble >/dev/null 2>&1 ; then
  contains=contains
elif grep grimblepritz grimble >/dev/null 2>&1 ; then
  contains=grep
else

```

```

contains=contains
fi
rm -f grimble
: the following should work in any shell
case "$contains" in
contains*)
echo " "
echo "AGH! Grep doesn't return a status. Attempting remedial action."
cat >contains <<'EOSS'
grep "$1" "$2" >.greptmp && cat .greptmp && test -s .greptmp
EOSS
chmod +x contains
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/contains.U
```

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

?RCS: \$Id: d\_mkdir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_mkdir.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:37 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_mkdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mkdir:

?S: This variable conditionally defines the HAS\_MKDIR symbol, which

?S: indicates to the C program that the mkdir() routine is available

?S: to create directories..

?S:.

?C:HAS\_MKDIR (MKDIR):

?C: This symbol, if defined, indicates that the mkdir routine is available

?C: to create directories.

Otherwise you should fork off a new process to

?C: exec /bin/mkdir.

?C:.

?H:#\$d\_mkdir HAS\_MKDIR /\*\*/

?H:.

```
?LINT:set d_mkdir
: see if mkdir exists
set mkdir d_mkdir
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_mkdir.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:d_madvise: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_madvise:
```

```
?S: This variable conditionally defines HAS_MADVISE if madvise() is
```

```
?S: available to map a file into memory.
```

```
?S:.
```

```
?C:HAS_MADVISE:
```

```
?C: This symbol, if defined, indicates that the madvise system call is
```

```
?C: available to map a file into memory.
```

```
?C:.
```

```
?H:#$d_madvise HAS_MADVISE /**/
```

```
?H:.
```

```
?LINT:set d_madvise
```

```
: see if madvise exists
```

```
set madvise d_madvise
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_madvise.U
```

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

```
?RCS: $Id: d_psignal.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_psignal.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:49 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_psignal: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_psignal:  
?S: This variable conditionally defines the HAS\_P SIGNAL symbol, which  
?S: indicates that the psignal() routine exists. The psignal() routine  
?S: prints a description of a signal on the standard error output.  
?S:.  
?C:HAS\_P SIGNAL (PSIGNAL):  
?C: This symbol, if defined, indicates  
that the psignal() routine exists.  
?C:.  
?H:#\$d\_psignal HAS\_P SIGNAL /\*\*/  
?H:.  
?LINT:set d\_psignal  
: see if psignal exists  
set psignal d\_psignal  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_psignal.U

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

?RCS: \$Id: d\_getpagsz.U,v 3.0.1.1 1994/10/29 16:13:10 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_getpagsz.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:13:10 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:14 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:

?MAKE:d\_getpagsz: Compile Oldconfig Myread Inlibc Findhdr  
?MAKE: -pick add \$@ %<  
?S:d\_getpagsz:  
?S: This variable conditionally defines HAS\_GETPAGESIZE if getpagesize()  
?S: is available to get the system page size.  
?S:.  
?C:HAS\_GETPAGESIZE  
(GETPAGESIZE):  
?C: This symbol, if defined, indicates that the getpagesize system call  
?C: is available to get system page size, which is the granularity of  
?C: many memory management calls.  
?C:.  
?H:#\$d\_getpagsz HAS\_GETPAGESIZE /\*\*/  
?H:.  
?LINT:set d\_getpagsz  
: see if getpagesize exists  
set getpagesize d\_getpagsz  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_getpagsz.U

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

?RCS: \$Id: d\_drnd48\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_drnd48\_r drand48\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_stdlib extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_drnd48\_r:  
?S: This variable conditionally defines the HAS\_DRAND48\_R symbol,  
?S: which indicates to the C program that the drand48\_r()  
?S: routine is available.  
?S:.  
?S:drand48\_r\_proto:  
?S: This variable encodes the prototype of drand48\_r.  
?S: It is zero if d\_drnd48\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_drnd48\_r  
?S: is defined.  
?S:.  
?C:HAS\_DRAND48\_R:  
?C: This symbol, if defined, indicates that the drand48\_r routine

```

?C: is available to drand48 re-entrantly.
?C:.
?C:DRAND48_R_PROTO:
?C: This
symbol encodes the prototype of drand48_r.
?C: It is zero if d_drand48_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_drand48_r
?C: is defined.
?C:.
?H:#$d_drand48_r HAS_DRAND48_R /**/
?H:#define DRAND48_R_PROTO $drand48_r_proto /**/
?H:.
?T:try hdrs d_drand48_r_proto
: see if drand48_r exists
set drand48_r d_drand48_r
eval $inlibc
case "$d_drand48_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_stdlib stdlib.h"
case "$d_drand48_r_proto:$usethreads" in
":define") d_drand48_r_proto=define
set d_drand48_r_proto drand48_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_drand48_r_proto" in
define)
case "$drand48_r_proto" in
"|0) try='int drand48_r(struct drand48_data*, double*);'
./protochk "$extern_C $try" $hdrs && drand48_r_proto=I_ST ;;
esac
case "$drand48_r_proto" in
"|0) d_drand48_r=undef
drand48_r_proto=0
echo "Disabling drand48_r, cannot determine prototype." >&4 ;;
* ) case
"$drand48_r_proto" in
REENTRANT_PROTO*) ;;
*) drand48_r_proto="REENTRANT_PROTO_$drand48_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "drand48_r has no prototype, not using it." >&4 ;;
esac
d_drand48_r=undef
drand48_r_proto=0

```

```
;;
esac
;;
*) drand48_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_drand48_r.U
```

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

```
?RCS: $Id: d_dosuid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Tye McQueen <tye@metronet.com> added safe setuid script checks.
?RCS:
?RCS: $Log: d_dosuid.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:33:03 ram
?RCS: patch61: moved unit to TOP via a ?Y: layout directive
?RCS: patch61: tell them /dev/fd is not about floppy disks
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:12:08 ram
?RCS: patch36: added checks for secure setuid scripts (Tye McQueen)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:55 ram
?RCS: Baseline for
dist 3.0 netwide release.
?RCS:
?MAKE:d_dosuid d_suidsafes: cat contains ls rm test Myread Setvar \
Oldconfig Guess package hint patchlevel
?MAKE: -pick add $@ %<
?S:d_suidsafes:
?S: This variable conditionally defines SETUID_SCRIPTS_ARE_SECURE_NOW
?S: if setuid scripts can be secure. This test looks in /dev/fd/.
?S:.
?S:d_dosuid:
?S: This variable conditionally defines the symbol DOSUID, which
?S: tells the C program that it should insert setuid emulation code
?S: on hosts which have setuid #! scripts disabled.
?S:.
```



```

?C:SETUID_SCRIPTS_ARE_SECURE_NOW:
?C: This symbol, if defined, indicates that the bug that prevents
?C: setuid scripts from being secure is not present in this kernel.
?C:.
?C:DOSUID:
?C: This symbol, if defined, indicates that the C program should
?C: check the script that it is executing for setuid/setgid bits, and
?C: attempt to emulate setuid/setgid on systems that have disabled
?C: setuid #! scripts because the kernel can't do it securely.
?C: It is up to the package
?C: designer to make sure that this emulation
?C: is done securely. Among other things, it should do an fstat on
?C: the script it just opened to make sure it really is a setuid/setgid
?C: script, it should make sure the arguments passed correspond exactly
?C: to the argument on the #! line, and it should not trust any
?C: subprocesses to which it must pass the filename rather than the
?C: file descriptor of the script to be executed.
?C:.
?H:#$d_suidSAFE SETUID_SCRIPTS_ARE_SECURE_NOW /**/
?H:#$d_dosuid DOSUID /**/
?H:.
?Y:TOP
?F:!reflect
?LINT: set d_suidSAFE
: see if setuid scripts can be secure
$cat <<EOM

```

Some kernels have a bug that prevents setuid #! scripts from being secure. Some sites have disabled setuid #! scripts because of this.

First let's decide if your kernel supports secure setuid #! scripts. (If setuid #! scripts would be secure but have been disabled anyway, don't say that they are secure if asked.)

EOM

```

val="$undef"
if $test -d /dev/fd; then
echo "#!$ls" >reflect
chmod
+x,u+s reflect
./reflect >flect 2>&1
if $contains "/dev/fd" flect >/dev/null; then
echo "Congratulations, your kernel has secure setuid scripts!" >&4
val="$define"
else
$cat <<EOM

```

If you are not sure if they are secure, I can check but I'll need a

username and password different from the one you are using right now.

If you don't have such a username or don't want me to test, simply enter 'none'.

EOM

```
rp='Other username to test security of setuid scripts with?'
dflt='none'
. ./myread
case "$ans" in
n|none)
case "$d_suidsafesafe" in
") echo "I'll assume setuid scripts are *not* secure." >&4
dflt=n;;
"$undef")
echo "Well, the $hint value is *not* secure." >&4
dflt=n;;
*) echo "Well, the $hint value *is* secure." >&4
dflt=y;;
esac
;;
*)
$rm -f reflect flect
echo "#!$ls" >reflect
chmod +x,u+s reflect
echo >flect
chmod a+w flect
echo "'su' will (probably) prompt you for '$ans's password.'"
su $ans -c './reflect
>flect'
if $contains "/dev/fd" flect >/dev/null; then
echo "Okay, it looks like setuid scripts are secure." >&4
dflt=y
else
echo "I don't think setuid scripts are secure." >&4
dflt=n
fi
;;
esac
rp='Does your kernel have *secure* setuid scripts?'
. ./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef";;
esac
fi
else
echo "I don't think setuid scripts are secure (no /dev/fd directory)." >&4
echo "(That's for file descriptors, not floppy disks.)"
```

```
val="$undef"  
fi  
set d_suidsafesafe  
eval $setvar
```

```
$rm -f reflect flect
```

: now see if they want to do setuid emulation

```
if $test $patchlevel -lt 11; then
```

```
echo " "
```

```
val="$undef"
```

```
case "$d_suidsafesafe" in
```

```
"$define")
```

```
val="$undef"
```

```
echo "No need to emulate SUID scripts since they are secure here." >&4
```

```
::
```

```
*)
```

```
$cat <<EOM
```

Some systems have disabled setuid scripts, especially systems where setuid scripts cannot be secure. On systems where setuid scripts have been disabled, the setuid/setgid bits on scripts are currently

useless. It is possible for \$package to detect those bits and emulate setuid/setgid in a secure fashion. This emulation will only work if setuid scripts have been disabled in your kernel.

EOM

```
case "$d_dosuid" in
```

```
"$define") dflt=y ;;
```

```
*) dflt=n ;;
```

```
esac
```

```
rp="Do you want to do setuid/setgid emulation?"
```

```
./myread
```

```
case "$ans" in
```

```
[yY]*) val="$define";;
```

```
*) val="$undef";;
```

```
esac
```

```
::
```

```
esac
```

```
set d_dosuid
```

```
eval $setvar
```

```
else
```

```
case "$d_dosuid" in
```

```
"$define")
```

```
cat >&4 <<EOH
```

SUID emulation has been removed for 5.12

Please re-run Configure without -Dd\_dosuid

```
EOH
exit 1;
;;
esac
d_dosuid=undef
fi
```

Found in path(s):

```
*/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_dosuid.U
```

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

```
?RCS: $Id: libnlist.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: libnlist.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 16:08:02 ram
?RCS: patch61: added usrinc and mips on the dependency line
?RCS: patch61: make sure we call ./mips
?RCS: patch61: added a ?LINT: hint
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:00 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libnlist: Loc libpth Guess usrinc _a
?MAKE: -pick add $@ %<
?S:libnlist (libmld):
?S: This variable contains the name of the library required to
get the
?S: definition of the nlist() function. On a MIPS RISC/OS box, it is -lml.
?S: Under Sys Vr4, it is -lelf. Otherwise, its value is empty.
?S:.
?T:xxx
?LINT:use usrinc
: see if we need a special library for 'nlist()'
echo " "
: How about doing this if nlist is not in libc...
if ./mips ; then
libnlist='-lml'
else
```

```

xxx=`./loc libelf$_a x $libpth`
case "$xxx" in
x) ;;
*)
libnlist="$xxx"
;;
esac
fi
case "$libnlist" in
") echo "No special library for nlist() seems necessary." >&4
;;
*) echo "nlist() can be found in $libnlist." >&4
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libnlist.U

```

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2004 H.Merijn Brand
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_strlcat: Inlibc Hasproto d_gnulibc
?MAKE: -pick add $@ %<
?S:d_strlcat:
?S: This variable conditionally defines the HAS_STRLCAT symbol, which
?S: indicates to the C program that the strlcat () routine is available.
?S:
?C:HAS_STRLCAT:
?C: This symbol, if defined, indicates that the strlcat () routine is
?C: available to do string concatenation.
?C:
?H:#$d_strlcat HAS_STRLCAT /**/
?H:
?T:d_strlcat_proto xx1 xx2 xx3 xx4
?LINT:set d_strlcat
: see if strlcat exists
: We need both a prototype in string.h and the symbol in libc.
echo " "
d_strlcat_proto="
xx1="#$d_gnulibc HAS_GNULIBC"
xx2="#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)'
xx3='# define _GNU_SOURCE'

```

```

xx4='#endif'
set d_strlcat_proto
strlcat literal "$xx1" literal "$xx2" literal "$xx3" literal "$xx4" define string.h
eval $hasproto
case "$d_strlcat_proto" in
  define) # see if strlcat exists
set strlcat d_strlcat
eval $inlibc
;;
  *) val=$undef
set d_strlcat
eval $setvar
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_strlcat.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:usemorebits: Setvar

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usemorebits:

?S: This variable conditionally defines the USE\_MORE\_BITS symbol,

?S: and indicates that explicit 64-bit interfaces and long doubles

?S: should be used when available.

?S:.

?C:USE\_MORE\_BITS:

?C: This symbol, if defined, indicates that 64-bit interfaces and

?C: long doubles should be used when available.

?C:.

?H:%<:#ifndef USE\_MORE\_BITS

?H:%<:#\$usemorebits USE\_MORE\_BITS /\*\*/

?H:%<:#endif

?H:.

?LINT:extern use64bitint

?LINT:change use64bitint

?LINT:extern uselongdouble

?LINT:change uselongdouble

: Check if morebits is requested

```
case "$usemorebits" in
"$define"|true|[yY]*)
use64bitint="$define"
uselongdouble="$define"
usemorebits="$define"
;;
*) usemorebits="$undef"
;;
esac
```

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usemorebits.U

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

?RCS: \$Id: d\_getnetbyname\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getnetbyname\_r getnetbyname\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getnetbyname\_r:

?S: This variable conditionally defines the HAS\_GETNETBYNAME\_R symbol,

?S: which indicates to the C program that the getnetbyname\_r()

?S: routine is available.

?S:.

?S:getnetbyname\_r\_proto:

?S: This variable encodes the prototype of getnetbyname\_r.

?S: It is zero if d\_getnetbyname\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetbyname\_r

?S: is defined.

?S:.

?C:HAS\_GETNETBYNAME\_R:

?C: This symbol, if defined, indicates that

the getnetbyname\_r routine

?C: is available to getnetbyname re-entrantly.

?C:.

?C:GETNETBYNAME\_R\_PROTO:

?C: This symbol encodes the prototype of getnetbyname\_r.

?C: It is zero if d\_getnetbyname\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetbyname\_r

?C: is defined.

```

?C:.
?H:#$d_getnetbyname_r HAS_GETNETBYNAME_R /**/
?H:#define GETNETBYNAME_R_PROTO $getnetbyname_r_proto /**/
?H:.
?T:try hdrs d_getnetbyname_r_proto
: see if getnetbyname_r exists
set getnetbyname_r d_getnetbyname_r
eval $inlibc
case "$d_getnetbyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getnetbyname_r_proto:$usethreads" in
":define") d_getnetbyname_r_proto=define
set d_getnetbyname_r_proto getnetbyname_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getnetbyname_r_proto" in
define)
case "$getnetbyname_r_proto" in
"|0) try='int getnetbyname_r(const char*, struct netent*, char*, size_t, struct netent**, int*);'
./protochk "$extern_C
$try" $hdrs && getnetbyname_r_proto=I_CSBWRE ;;
esac
case "$getnetbyname_r_proto" in
"|0) try='int getnetbyname_r(const char*, struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetbyname_r_proto=I_CSBI ;;
esac
case "$getnetbyname_r_proto" in
"|0) try='struct netent* getnetbyname_r(const char*, struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetbyname_r_proto=S_CSBI ;;
esac
case "$getnetbyname_r_proto" in
"|0) try='int getnetbyname_r(const char*, struct netent*, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && getnetbyname_r_proto=I_CSD ;;
esac
case "$getnetbyname_r_proto" in
"|0) d_getnetbyname_r=undef
getnetbyname_r_proto=0
echo "Disabling getnetbyname_r, cannot determine prototype." >&4 ;;
* ) case "$getnetbyname_r_proto" in
REENTRANT_PROTO*) ;;
*) getnetbyname_r_proto="REENTRANT_PROTO_$getnetbyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in

```



```

define) echo
"getnetbyname_r has no prototype, not using it." >&4 ;;
esac
d_getnetbyname_r=undef
getnetbyname_r_proto=0
;;
esac
;;
*) getnetbyname_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getnetbyname_r.U
```

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

\* Feel free to modify any of this as the need arises.&nbsp;&nbsp; Note, however,

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/metaconfig.html
```

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

?RCS: You may redistribute only under the terms of the Artistic License,

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/sunscanf.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_volatile.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/st_ino_def.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/nullified/fpu.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getpagsz.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ebcdic.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/ssizetype.U
```

\*

```
/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_dirfd.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_keepsig.U
```

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_attribut.U
```

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_wcsxfrm.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_inttypes.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/fposszie.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_strtoul.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_c99\_variadic.U

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Checkcc.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/sbrksmart.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/stdio\_streams.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/randbits.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_volatile.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_int64\_t.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/gidsign.U

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/abortsig.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_u32align.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_eofpipe.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_isascii.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sanemcmp.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/bitpbyte.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_wcscmp.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lc\_monetary\_2008.U

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/charsize.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_open3.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/d\_sgndchr.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_keepsig.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/gccvers.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/modified/d\_getpgrp.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/floatsize.U  
 \*  
 /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_strctcpy.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/compline/d\_casti32.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/d\_socklen\_t.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_casti32.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_access.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/compline/doublesize.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/typedefs/gidsize.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/byteorder.U  
 \*  
 /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_scannl.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/modified/i\_neterrno.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/compline/ptrsize.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/d\_gai\_strerror.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/compline/d\_isascii.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/startperl.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/modified/i\_malloc.U  
 \*  
 /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_vprintf.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/fpu.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/compline/sockopt.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_sigaction.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_sgnchr.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/bitpbyte.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/sizesize.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/gccvers.U

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_neterno.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/intsize.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d\_scannl.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/abortsig.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_mmap.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/need\_va\_copy.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ssizetype.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_access.U

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/selectminbits.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/charsize.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/alignbytes.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sunscanf.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uibase.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ldbl\_dig.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sockopt.U

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/floatsize.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/doublesize.U

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/ptrsize.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_open3.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/d\_builtin.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_getpgrp.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/d\_snprintf.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/d\_dir\_dd\_fd.U  
 \*  
 /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_sigaction.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/typedefs/uidsign.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/alignbytes.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/sbrksmart.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/compline/d\_sanemcmp.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_const.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/dist/U/d\_eofpipe.U  
 \* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
 5.30.0/U/perl/d\_isblank.U

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

?RCS: \$Id: d\_setvbuf.U,v 3.0.1.1 1994/08/29 16:11:57 ram Exp \$  
 ?RCS:  
 ?RCS: Copyright (c) 1998 Andy Dougherty  
 ?RCS:  
 ?RCS: You may distribute under the terms of either the GNU General Public  
 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
 ?RCS:  
 ?RCS: \$Log: d\_setvbuf.U,v \$  
 ?RCS:  
 ?MAKE:d\_setvbuf: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_setvbuf:  
 ?S: This variable conditionally defines the HAS\_SETVBUF symbol, which  
 ?S: indicates to the C program that the setvbuf() routine is available  
 ?S: to change buffering on an open stdio stream.  
 ?S:.

?C:HAS\_SETVBUF :  
?C: This symbol, if defined, indicates that the setvbuf routine is  
?C: available to change buffering on an open stdio stream.  
?C: to a line-buffered mode.  
?C:.

?H:#\$d\_setvbuf HAS\_SETVBUF /\*\*/

?H:.

?LINT:set d\_setvbuf

: see if setvbuf exists

set setvbuf d\_setvbuf

eval \$inlibc

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setvbuf.U

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

?RCS: \$Id: i\_sysmode.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysmode: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_sysmode:

?S: This variable conditionally defines the I\_SYSMODE symbol,

?S: and indicates whether a C program should include <sys/mode.h>.

?S:.

?C:I\_SYSMODE:

?C: This symbol, if defined, indicates that <sys/mode.h> exists and

?C: should be included.

?C:.

?H:#\$i\_sysmode I\_SYSMODE /\*\*/

?H:.

?LINT:set i\_sysmode

: see if this is a sys/mode.h system

set sys/mode.h i\_sysmode

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysmode.U

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

?RCS: \$Id: d\_fsetpos.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_fsetpos.U,v \$  
?RCS: Revision 3.0.1.1 1994/06/20 06:57:38 ram  
?RCS: patch30: created  
?RCS:  
?MAKE:d\_fsetpos: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fsetpos:  
?S: This variable conditionally defines HAS\_FSETPOS if fsetpos() is  
?S: available to set the file position indicator.  
?S:.  
?C:HAS\_FSETPOS:  
?C: This symbol, if defined, indicates that the fsetpos routine is  
?C: available to set the file position indicator, similar to fseek().  
?C:.  
?H:#\$d\_fsetpos  
HAS\_FSETPOS /\*\*/  
?H:.  
?LINT:set d\_fsetpos  
: see if fsetpos exists  
set fsetpos d\_fsetpos  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fsetpos.U

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

?RCS: \$Id: d\_statblks.U,v 3.0 1993/08/18 12:07:29 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_statblks.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:29 ram

```

?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_statblks: Hasfield i_sysstat
?MAKE: -pick add $@ %<
?S:d_statblks:
?S: This variable conditionally defines USE_STAT_BLOCKS
?S: if this system has a stat structure declaring
?S: st_blksize and st_blocks.
?S:.
?C:USE_STAT_BLOCKS (STATBLOCKS):
?C: This symbol is defined if this system has a stat structure declaring
?C: st_blksize and st_blocks.
?C:.
?H:?%<:#ifndef
USE_STAT_BLOCKS
?H:?%<:#$d_statblks USE_STAT_BLOCKS /**/
?H:?%<:#endif
?H:.
?LINT:set d_statblks
: see if stat knows about block sizes
echo " "
echo "Checking to see if your struct stat has st_blocks field..." >&4
set d_statblks stat st_blocks $i_sysstat sys/stat.h
eval $hasfield

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_statblks.U

```

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

```

?RCS: $Id: patchlevel.U,v 3.0.1.1 1997/02/28 16:18:41 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 16:18:41 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:31 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:

```



?MAKE:patchlevel revision version subversion \  
perl\_patchlevel version\_patchlevel\_string \  
api\_revision api\_version api\_subversion api\_versionstring: \  
package test rsrc echo awk osname  
?MAKE: -pick  
add \$@ %<  
?S:revision:  
?S: The value of revision comes from the patchlevel.h file.  
?S: In a version number such as 5.6.1, this is the "5".  
?S: In patchlevel.h, this is referred to as "PERL\_REVISION".  
?S:.  
?S:patchlevel:  
?S: The patchlevel level of this package.  
?S: The value of patchlevel comes from the patchlevel.h file.  
?S: In a version number such as 5.6.1, this is the "6".  
?S: In patchlevel.h, this is referred to as "PERL\_VERSION".  
?S:.  
?S:subversion:  
?S: The subversion level of this package.  
?S: The value of subversion comes from the patchlevel.h file.  
?S: In a version number such as 5.6.1, this is the "1".  
?S: In patchlevel.h, this is referred to as "PERL\_SUBVERSION".  
?S: This is unique to perl.  
?S:.  
?S:version:  
?S: The full version number of this package, such as 5.6.1 (or 5\_6\_1).  
?S: This combines revision, patchlevel, and subversion to get the  
?S: full version number, including any possible subversions.  
?S: This is suitable for use as a directory name, and hence is  
?S: filesystem  
?S: dependent.  
?S:.  
?S:api\_revision:  
?S: The three variables, api\_revision, api\_version, and  
?S: api\_subversion, specify the version of the oldest perl binary  
?S: compatible with the present perl. In a full version string  
?S: such as '5.6.1', api\_revision is the '5'.  
?S: Prior to 5.5.640, the format was a floating point number,  
?S: like 5.00563.  
?S:  
?S: perl.c:incpush() and lib/lib.pm will automatically search in  
?S: \$sitelib/.. for older directories back to the limit specified  
?S: by these api\_ variables. This is only useful if you have a  
?S: perl library directory tree structured like the default one.  
?S: See INSTALL for how this works. The versioned site\_perl  
?S: directory was introduced in 5.005, so that is the lowest  
?S: possible value. The version list appropriate for the current  
?S: system is determined in inc\_version\_list.U.

?S:  
?S: XXX To do: Since compatibility can depend on compile time  
?S: options (such as bincompat, longlong, etc.) it should  
?S: (perhaps) be set by  
?S: Configure, but currently it isn't.  
?S: Currently, we read a hard-wired value from patchlevel.h.  
?S: Perhaps what we ought to do is take the hard-wired value from  
?S: patchlevel.h but then modify it if the current Configure  
?S: options warrant. patchlevel.h then would use an #ifdef guard.  
?S:.  
?S:api\_version:  
?S: The three variables, api\_revision, api\_version, and  
?S: api\_subversion, specify the version of the oldest perl binary  
?S: compatible with the present perl. In a full version string  
?S: such as '5.6.1', api\_version is the '6'. See api\_revision for  
?S: full details. As a special case, 5.5.0 is rendered in the  
?S: old-style as 5.005. (In the 5.005\_0x maintenance series,  
?S: this was the only versioned directory in \$sitelib.)  
?S:.  
?S:api\_subversion:  
?S: The three variables, api\_revision, api\_version, and  
?S: api\_subversion, specify the version of the oldest perl binary  
?S: compatible with the present perl. In a full version string  
?S: such as '5.6.1', api\_subversion is the  
?S: '1'. See api\_revision for  
?S: full details.  
?S:.  
?S:api\_versionstring:  
?S: This variable combines api\_revision, api\_version, and  
?S: api\_subversion in a format such as 5.6.1 (or 5\_6\_1) suitable  
?S: for use as a directory name. This is filesystem dependent.  
?S:.  
?S:perl\_patchlevel:  
?S: This is the Perl patch level, a numeric change identifier,  
?S: as defined by whichever source code maintenance system  
?S: is used to maintain the patches; currently Perforce.  
?S: It does not correlate with the Perl version numbers or  
?S: the maintenance versus development dichotomy except  
?S: by also being increasing.  
?S:.  
?S:version\_patchlevel\_string:  
?S: This is a string combining version, subversion and  
?S: perl\_patchlevel (if perl\_patchlevel is non-zero).  
?S: It is typically something like  
?S: 'version 7 subversion 1' or  
?S: 'version 7 subversion 1 patchlevel 11224'  
?S: It is computed here to avoid duplication of code in myconfig.SH  
?S: and lib/Config.pm.

```

?S:.
?LINT:extern LC_ALL
?LINT:extern LANGUAGE
:
get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r $src/patchlevel.h;then
revision=`awk '/define[ ]+PERL_REVISION/ {print $3}' $src/patchlevel.h`
patchlevel=`awk '/define[ ]+PERL_VERSION/ {print $3}' $src/patchlevel.h`
subversion=`awk '/define[ ]+PERL_SUBVERSION/ {print $3}' $src/patchlevel.h`
api_revision=`awk '/define[ ]+PERL_API_REVISION/ {print $3}' $src/patchlevel.h`
api_version=`awk '/define[ ]+PERL_API_VERSION/ {print $3}' $src/patchlevel.h`
api_subversion=`awk '/define[ ]+PERL_API_SUBVERSION/ {print $3}' $src/patchlevel.h`
perl_patchlevel=`egrep ',(MAINT|SMOKE)[0-9][0-9]*"' $src/patchlevel.h|tail -1|sed 's/[^0-9]//g`
else
revision=0
patchlevel=0
subversion=0
api_revision=0
api_version=0
api_subversion=0
perl_patchlevel=0
$echo "(You do not have patchlevel.h. Eek.)"
fi
: Define a handy string here to avoid duplication in myconfig.SH and configpm.
version_patchlevel_string="version $patchlevel subversion $subversion"
case
"$perl_patchlevel" in
0|") ;;
*) perl_patchlevel=`echo $perl_patchlevel | sed 's/.*/'"`
version_patchlevel_string="$version_patchlevel_string patch $perl_patchlevel"
;;
esac

$echo "(You have $package $version_patchlevel_string.)"

case "$osname" in
dos|vms)
: XXX Should be a Configure test for double-dots in filenames.
version=`echo $revision $patchlevel $subversion | \
$awk '{ printf "%d_%d_%d", $1, $2, $3 }`
api_versionstring=`echo $api_revision $api_version $api_subversion | \
$awk '{ printf "%d_%d_%d", $1, $2, $3 }`
;;
*)
version=`echo $revision $patchlevel $subversion | \
$awk '{ printf "%d.%d.%d", $1, $2, $3 }`

```

```

api_versionstring=`echo $api_revision $api_version $api_subversion | \
  $awk '{ printf "%d.%d.%d", $1, $2, $3 }`
;;
esac
: Special case the 5.005_xx maintenance series, which used 5.005
: without any subversion label as a subdirectory in $sitelib
if test "${api_revision}${api_version}${api_subversion}" = "550"; then
  api_versionstring='5.005'
fi

```

Found

in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/patchlevel.U

```

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

?RCS: \$Id: d\_sitecustomize.U,v \$

?RCS:

?RCS: Copyright (c) 2005-2006 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_sitecustomize.U,v \$

?RCS:

?MAKE:usesitecustomize: Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:usesitecustomize:

?S: This variable is set to true when the user requires a mechanism that

?S: allows the sysadmin to add entries to @INC at runtime. This variable

?S: being set, makes perl run '\$sitelib/sitecustomize.pl' at startup.

?S:.

?C:USE\_SITECUSTOMIZE:

?C: This symbol, if defined, indicates that sitecustomize should

?C: be used.

?C:.

?H:?%<:@if USE\_SITECUSTOMIZE

?H:?%<:#ifndef USE\_SITECUSTOMIZE

?H:?%<:#\$usesitecustomize USE\_SITECUSTOMIZE /\*\*/

?H:?%<:#endif

?H:?%<:@end

?H:.

: Check if site customization support was requested

case "\$usesitecustomize" in

\$define|true|[Yy]\*)

usesitecustomize="\$define"

;;

```
*)
usesitecustomize="$undef"
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_sitecustomize.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_aintl: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_aintl:

?S: This variable conditionally defines the HAS\_AINTL symbol, which

?S: indicates to the C program that the aintl() routine is available.

?S: If copysignl is also present we can emulate modfl.

?S:.

?C:HAS\_AINTL:

?C: This symbol, if defined, indicates that the aintl routine is

?C: available. If copysignl is also present we can emulate modfl.

?C:.

?H:#\$d\_aintl HAS\_AINTL /\*\*/

?H:.

?LINT:set d\_aintl

: see if aintl exists

set aintl d\_aintl

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_aintl.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.  
 ?RCS:  
 ?MAKE:d\_flockproto: Hasproto i\_sysfile  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_flockproto:  
 ?S: This variable conditionally defines the HAS\_FLOCK\_PROTO symbol,  
 ?S: which indicates to the C program that the system provides  
 ?S: a prototype for the flock() function. Otherwise, it is  
 ?S: up to the program to supply one.  
 ?S:.  
 ?C:HAS\_FLOCK\_PROTO:  
 ?C: This symbol, if defined, indicates that the system provides  
 ?C: a prototype for the flock() function. Otherwise, it is up  
 ?C: to the program to supply one. A good guess is  
 ?C: extern int flock(int,  
 int);  
 ?C:.  
 ?H:#\$d\_flockproto HAS\_FLOCK\_PROTO /\*\*/  
 ?H:.  
 ?LINT:set d\_flockproto  
 : see if prototype for flock is available  
 echo " "  
 set d\_flockproto flock \$i\_sysfile sys/file.h  
 eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_flockproto.U

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

?RCS: \$Id\$  
 ?RCS:  
 ?RCS: Copyright (c) 2009 H.Merijn Brand  
 ?RCS:  
 ?RCS: You may distribute under the terms of either the GNU General Public  
 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?MAKE:d\_inetntop: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_inetntop:  
 ?S: This variable conditionally defines the HAS\_INETNTOP symbol,  
 ?S: which indicates to the C program that the inet\_ntop() function  
 ?S: is available.  
 ?S:.  
 ?C:HAS\_INETNTOP:  
 ?C: This symbol, if defined, indicates that the inet\_ntop() function  
 ?C: is available to parse IPv4 and IPv6 strings.  
 ?C:.

?H:#\$d\_inetntop HAS\_INETNTOP /\*\*/

?H:.

?LINT:set d\_inetntop

: see if inet\_ntop exists

set inet\_ntop d\_inetntop

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_inetntop.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_wifstat.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:47:43 ram

?RCS: patch61: added a ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:09:10 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.1 1995/03/21 08:47:46 ram

?RCS: patch52: created

?RCS:

?MAKE:d\_wifstat: d\_uwait +cc +ccflags +ldflags +libs Oldconfig cat rm

?MAKE: -pick add \$@ %<

?S:d\_wifstat:

?S: This symbol conditionally defines USE\_WIFSTAT if the C program can

?S: safely

use the WIFxxx macros with the kind of wait() parameter

?S: declared in the program (see UNION\_WAIT), or if it can't. Should

?S: only matter on HP-UX, where the macros are incorrectly written and

?S: therefore cause programs using them with an 'union wait' variable

?S: to not compile properly.

?S:.

?C:USE\_WIFSTAT:

?C: This symbol, if defined, indicates to the C program that the argument

?C: for the WIFxxx set of macros such as WIFSIGNALED or WIFEXITED can

?C: be of the same kind as the one used to hold the wait() status. Should

?C: only matter on HP-UX, where the macros are incorrectly written and

?C: therefore cause programs using them with an 'union wait' variable

?C: to not compile properly. See also UNION\_WAIT.

?C:.

?H:#\$d\_wifstat USE\_WIFSTAT /\*\*/

?H:.

?T:type

?F:!foo

: see if we can use WIFxxx macros

echo " "

case "\$d\_wifstat" in

"\$define") echo "As before, you can safely use WIFEXITED and friends!" >&4;;

"\$undef") echo "You still can't use WIFEXITED and friends!" >&4;;

\*)

echo

"Let's see whether you can use the WIFEXITED(status) macro and its"

case "\$d\_uwait" in

"\$define") type='union wait';

\*) type='int';

esac

echo "friends with status declared as '\$type status'..."

\$cat >foo.c <<EOCP

#include <sys/types.h>

#include <sys/wait.h>

int main()

{

  \$type status;

  int e = 0;

#ifdef WIFEXITED

  if (WIFEXITED(status))

    printf("\n");

    exit(0);

#else

  exit(2);

#endif

}

EOCP

d\_wifstat="\$undef"

if \$cc \$ccflags \$ldflags -o foo foo.c \$libs >/dev/null 2>&1; then

  if ./foo >/dev/null; then

    echo "Great! Looks like we can use the WIFxxx macros." >&4

    d\_wifstat="\$define"

  else

    echo "You don't seem to have WIFxxx macros, but that's ok." >&4

  fi

else

  echo "Apparently you can't use WIFxxx macros properly." >&4



```
fi
$rm -f foo.* foo core
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_wifstat.U
```

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

```
?RCS: $Id: vendorbin.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: vendorbin.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:d_vendorbin vendorbin vendorbinexp installvendorbin: Getfile \
```

```
Setprefixvar Oldconfig Prefixit vendorprefix
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:vendorbin:
```

```
?S: This variable contains the eventual value of the VENDORBIN symbol.
```

```
?S: It may have a ~ on the front.
```

```
?S: The standard distribution will put nothing in this directory.
```

```
?S: Vendors who distribute perl
```

```
may wish to place additional
```

```
?S: binaries in this directory with
```

```
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor
```

```
?S: or equivalent. See INSTALL for details.
```

```
?S:.
```

```
?S:vendorbinexp:
```

```
?S: This variable is the ~name expanded version of vendorbin, so that you
```

```
?S: may use it directly in Makefiles or shell scripts.
```

```
?S:.
```

```
?D:installvendorbin="
```

```
?S:installvendorbin:
```

```
?S: This variable is really the same as vendorbinexp but may differ on
```

```
?S: those systems using AFS. For extra portability, only this variable
```

```
?S: should be used in makefiles.
```

```
?S:.
```

?S:d\_vendorbin:

?S: This variable conditionally defines PERL\_VENDORBIN.

?S:.

?C:PERL\_VENDORBIN:

?C: If defined, this symbol contains the name of a directory

?C: for holding vendor-supplied executables.

?C: It may have a ~ on the front.

?C: The standard distribution will put nothing in this directory.

?C: Vendors who distribute perl may wish to place additional

?C: binaries in this directory with

?C: MakeMaker Makefile.PL INSTALLDIRS=vendor

?C: or equivalent.

See INSTALL for details.

?C:.

?C:PERL\_VENDORBIN\_EXP:

?C: This symbol contains the ~name expanded version of VENDORBIN, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_vendorbin PERL\_VENDORBIN "\$vendorbin" /\*\*/

?H:#\$d\_vendorbin PERL\_VENDORBIN\_EXP "\$vendorbinexp" /\*\*/

?H:.

?LINT:change prefixvar

?LINT:set installvendorbin

: Set the vendorbin variables

case "\$vendorprefix" in

) d\_vendorbin="\$undef"

vendorbin="

vendorbinexp="

;;

\*) d\_vendorbin="\$define"

: determine where vendor-supplied executables go.

case "\$vendorbin" in

) dflt=\$vendorprefix/bin ;;

\*) dflt="\$vendorbin" ;;

esac

fn=d~+

rp='Pathname for the vendor-supplied executables directory?'

./getfile

vendorbin="\$ans"

vendorbinexp="\$ansexp"

;;

esac

prefixvar=vendorbin

./installprefix

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/installdirs/vendorbin.U

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

```
# $Id: errnolist.sh,v 3.0.1.1 1994/01/24 14:00:00 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
# You may redistribute only under the terms of the Artistic Licence,
# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.sh,v $
# Revision 3.0.1.1 1994/01/24 14:00:00 ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0 1993/08/18 12:04:36 ram
# Baseline for dist 3.0 netwide release.
#
```

```
case $CONFIG in
")
if test -f config.sh; then TOP=.;
elif test -f ../config.sh; then TOP=..;
elif test -f ../../config.sh; then TOP=../../;
elif test -f ../../../config.sh; then TOP=../../../;
elif
test -f ../../../../config.sh; then TOP=../../../../;
else
echo "Can't find config.sh."; exit 1
fi
. $TOP/config.sh
;;
esac
case "$0" in
*/*) cd `expr X$0 : 'X\(.*/\)'` ;;
esac
case "$Serrnolistic" in
") ;;
*)
echo "Making $Serrnolistic ..."
awk -f errnolist.a < /usr/include/sys/errno.h > $Serrnolistic
echo "It would be a good idea to make sure that $Serrnolistic is correct."
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/errnolist.SH
```

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

```
case $CONFIG in
")
if test -f config.sh; then TOP=.;
elif test -f ../config.sh; then TOP=..;
elif test -f ../../config.sh; then TOP=../../;
elif test -f ../../../config.sh; then TOP=../../../;
elif test -f ../../../../config.sh; then TOP=../../../../../;
else
echo "Can't find config.sh."; exit 1
fi
. $TOP/config.sh
;;
esac
case "$0" in
*/*) cd `expr X$0 : 'X\(.*/'` ;;
esac
echo "Extracting makedir (with variable substitutions)"
$spitshell >makedir <<!GROK!THIS!
$startsh
# $Id: makedir.sh,v 3.0.1.1 1994/01/24 14:00:08 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
# You may redistribute only under the terms of the Artistic Licence,
# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
# Original
Author: Larry Wall <lwall@netlabs.com>
#
# $Log: makedir.sh,v $
# Revision 3.0.1.1 1994/01/24 14:00:08 ram
# patch16: changed top ln-style config.sh lookup into test-style one
#
# Revision 3.0 1993/08/18 12:04:38 ram
# Baseline for dist 3.0 netwide release.
#

export PATH || (echo "OOPS, this isn't sh. Desperation time. I will feed myself to sh."; sh $0; kill $$)

case $# in
0)
```

```
$echo "mkdir pathname filenameflag"
exit 1
;;
esac
```

```
: guarantee one slash before 1st component
case \ $1 in
/*) ;;
*) set .^ $1 \ $2 ;;
esac
```

```
: strip last component if it is to be a filename
case X $2 in
X1) set \ $echo \ $1 | $sed 's:(.*)/[^]*\$:1:\` ;;
*) set \ $1 ;;
esac
```

```
: return reasonable status if nothing to be created
if $test -d "\ $1" ; then
    exit 0
fi
```

```
list=""
while true ; do
    case \ $1 in
    /*)
list="\ $1 \ $list"
set \ echo \ $1 | $sed 's:(.*)/:\1 :'\`
;;
*)
break
;;
    esac
done
```

```
set \ $list
```

```
for dir do
    $mkdir \ $dir >/dev/null 2>&1
done
!GROK!THIS!
$unicefix
mkdir
chmod +x mkdir
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/mkdir.SH
```

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

```
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:perladmin: cf_email Oldconfig Myread cat
?MAKE: -pick add $@ %<
?Y:TOP
?S:perladmin:
?S: Electronic mail address of the perl5 administrator.
?S:.
: Ask e-mail of administrator
$cat <<EOM
```

If you or somebody else will be maintaining perl at your site, please fill in the correct e-mail address here so that they may be contacted if necessary. Currently, the "perlbug" program included with perl will send mail to this address in addition to perlbug@perl.org. You may enter "none" for no administrator.

```
EOM
case "$perladmin" in
") dflt="$cf_email";;
*) dflt="$perladmin";;
esac
rp='Perl administrator e-mail address'
./myread
perladmin="$ans"
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perladmin.U
```

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

```
?RCS: $Id: d_sigsetmk.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sigsetmk.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:23 ram
```

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_sigsetmk: Csym Setvar

?MAKE: -pick add \$@ %<

?S:d\_sigsetmk:

?S: This variable conditionally defines the HAS\_SIGSETPMASK symbol, which

?S: indicates to the C program that the sigsetmask() routine is available

?S: to set current signal mask.

?S:.

?C:HAS\_SIGSETPMASK (SIGSETPMASK):

?C: This symbol, if defined, indicates that the sigsetmask()

routine is

?C: available to set current signal mask. Otherwise, you should probably

?C: emulate this by using signal(), but fear race conditions...

?C:.

?H:#\$d\_sigsetmk HAS\_SIGSETPMASK /\*\*/

?H:.

?LINT:set d\_sigsetmk

: see if sigsetmask exists

echo " "

if set sigsetmask val -f d\_sigsetmk; eval \$csym; \$val; then

echo 'sigsetmask() found.' >&4

val="\$define"

else

echo "sigsetmask() not found -- We'll use signal()." >&4

val="\$undef"

fi

set d\_sigsetmk

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sigsetmk.U

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

?RCS: \$Id: d\_waitpid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_waitpid.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:d\_waitpid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_waitpid:  
?S: This variable conditionally defines HAS\_WAITPID if waitpid() is  
?S: available to wait for child process.  
?S:.  
?C:HAS\_WAITPID (WAITPID):  
?C: This symbol, if defined, indicates that the waitpid routine is  
?C: available to wait for child process.  
?C:.  
?H:#\$d\_waitpid HAS\_WAITPID /\*\*/  
?H:.  
?LINT:set  
d\_waitpid  
: see if waitpid exists  
set waitpid d\_waitpid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_waitpid.U

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

?RCS: \$Id: d\_inetaton.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1996, Spider Boardman  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_inetaton.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:36:35 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:d\_inetaton: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_inetaton:  
?S: This variable conditionally defines the HAS\_INET\_ATON symbol, which  
?S: indicates to the C program that the inet\_aton() function is available  
?S: to parse IP address "dotted-quad" strings.  
?S:.  
?C:HAS\_INET\_ATON:  
?C: This symbol, if defined, indicates



```

to the C program that the
?C: inet_aton() function is available to parse IP address "dotted-quad"
?C: strings.
?C:.
?H:#$d_inetaton HAS_INET_ATON /**/
?H:.
?LINT:set d_inetaton
: check whether inet_aton exists
set inet_aton d_inetaton
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_inetaton.U

```

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

```

?RCS: $Id: Warn_v7EXT.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Warn_v7EXT.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:01:42 ram
?RCS: patch36: call ./v7 explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:17 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit issues warnings to V7 sites that they are living dangerously.
?X: This unit needs to get mentioned in End.U to get included.
?X:
?MAKE:Warn_v7EXT: package Guess
?MAKE: -pick add $@ %<
: Warnings
if ./v7;
then
cat <<EOM

```

NOTE: the V7 compiler may ignore some #undefs that \$package uses. If so, you may get messages about redefining EXT. Some V7 compilers also have difficulties with #defines near buffer boundaries, so beware. You may have to play with the spacing in some .h files, believe it or not.

EOM

fi

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Warn\_v7EXT.U

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

?RCS: \$Id: Configdir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Configdir.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 14:58:36 ram

?RCS: patch61: have README explicitly mention the package name

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:49 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:Configdir: package

?MAKE: -pick add \$@ %<

: create .config dir to save info across Configure sessions

test -d ../config || mkdir ../config

cat >../config/README <<EOF

This directory created by Configure to save

information that should

persist across sessions for \$package.

You may safely delete it if you wish.

EOF

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Configdir.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

```

?RCS:
?X: This unit generates a $hasstruct string that is used internally
?X: by Configure to check if this system has a field for a
?X: particular struct (of if this system has a particular struct!)
?X:
?X: To use it, say something like:
?X: set d_statblocks stat i_sysstat sys/stat.h
?X: eval $hasstruct
?X: Or, for more complicated sets of headers, do something like
?X: hdrs="$define sys/foo.h
?X: $i_sysbar sys/bar.h
?X: $i_syszot sys/zot.h
?X: $i_zappa zappa.h"
?X: set d_statblocks stat $hdrs
?X: eval $hasstruct
?X:
?MAKE:Hasstruct: Setvar rm_try test Compile
?MAKE: -pick add $@ %<
?T:varname struct
?V:hasstruct
: Define hasstruct macro for Configure internal use
hasstruct='varname=$1; struct=$2; shift;
shift;
while $test $# -ge 2; do
case "$1" in
$define) echo "#include <$2>;";
esac ;
shift 2;
done > try.c;
echo "int main () { struct $struct foo; }" >> try.c;
set try;
if eval $compile; then
val="$define";
else
val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Hasstruct.U

```

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

```

?RCS: $Id: d_endhent.U,v 3.0 1993/08/18 12:06:09 ram Exp $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

```

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endhent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endhent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endhent:
?S: This variable conditionally defines HAS_ENDHOSTENT if endhostent() is
?S: available to close whatever was being used for host queries.
?S:.
?C:HAS_ENDHOSTENT:
?C: This symbol, if defined, indicates that the endhostent() routine is
?C: available to close whatever was being used for host
queries.
?C:.
?H:#$d_endhent HAS_ENDHOSTENT /**/
?H:.
?LINT:set d_endhent
: see if endhostent exists
set endhostent d_endhent
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/d_endhent.U

```

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

```

?RCS: $Id: d_strerror.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_strerror.U,v $
?RCS: Revision 3.0.1.2 1994/05/06 14:54:34 ram
?RCS: patch23: fixed a typo (WED)
?RCS:

```

?RCS: Revision 3.0.1.1 1993/09/13 16:04:39 ram  
?RCS: patch10: created (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:24 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_strncmp: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strncmp:  
?S: This variable conditionally defines the HAS\_STRCASECMP symbol, which  
?S: indicates to the C program  
that the strcasecmp() routine is available  
?S: for case-insensitive string compares.  
?S:.  
?C:HAS\_STRCASECMP:  
?C: This symbol, if defined, indicates that the strcasecmp() routine is  
?C: available for case-insensitive string compares.  
?C:.  
?H:#\$d\_strncmp HAS\_STRCASECMP /\*\*/  
?H:.  
?LINT:set d\_strncmp  
: see if strcasecmp exists  
set strcasecmp d\_strncmp  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strncmp.U

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

?RCS: \$Id: d\_ftrncate.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_ftrncate.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:07 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_ftrncate: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_ftrncate (d\_ftruncate):  
?S: This variable conditionally defines the HAS\_FTRUNCATE symbol, which

?S: indicates to the C program that the ftruncate() subroutine exists.

?S:.

?C:HAS\_FTRUNCATE:

?C: This symbol, if defined, indicates that the ftruncate() subroutine

?C: exists.

?C:.

?H:#\$d\_ftruncate

HAS\_FTRUNCATE /\*\*/

?H:.

?LINT:set d\_ftruncate

: see if ftruncate exists

set ftruncate d\_ftruncate

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ftruncate.U

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

?RCS: \$Id: yacc.U,v 3.0.1.1 1994/05/13 15:28:48 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: yacc.U,v \$

?RCS: Revision 3.0.1.1 1994/05/13 15:28:48 ram

?RCS: patch27: added by yacc as another alternative (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:10:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:yacc yaccflags: Guess Myread Oldconfig yacc bison cat test \_exe

?MAKE: -pick add \$@ %<

?S:yacc:

?S: This variable holds the name of the compiler compiler we

?S: want to use in the Makefile. It can be yacc, byacc, or bison -y.

?S:.

?S:yaccflags:

?S: This

variable contains any additional yacc flags desired by the

?S: user. It is up to the Makefile to use this.

?S:.

?T:comp

```

: determine compiler compiler
case "$yacc" in
")
dflt=yacc;;
*)
dflt="$yacc";;
esac
echo " "
comp='yacc'
if $test -f "$byacc$_exe"; then
dflt="$byacc"
comp="byacc or $comp"
fi
if $test -f "$bison$_exe"; then
comp="$comp or bison -y"
fi
rp="Which compiler compiler ($comp) shall I use?"
./myread
yacc="$ans"
case "$yacc" in
*bis*)
case "$yacc" in
*-y*) ;;
*)
yacc="$yacc -y"
echo "(Adding -y option to bison to get yacc-compatible behavior.)"
;;
esac
;;
esac

```

```

@if yaccflags
: see if we need extra yacc flags
dflt="$yaccflags"
case "$dflt" in
") dflt=none;;
esac
$cat <<EOH

```

Your yacc program may need extra flags to normally process the parser sources. Do NOT specify any -d or -v flags here, since those are explicitly known by the various Makefiles. However, if your machine has strange/undocumented options (like -Sr# on SCO to specify the maximum number of grammar rules), then please add them here. To use no flags, specify the word "none".

```

EOH
rp="Any additional yacc flags?"

```

```
./myread
case "$ans" in
none) yaccflags="";;
*) yaccflags="$ans";;
esac
```

@end

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/yacc.U
```

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

?RCS: \$Id: MailAuthor.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: MailAuthor.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:04:41 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.4 1994/08/29 16:05:09 ram

?RCS: patch32: avoid message sending if they said no previously

?RCS:

?RCS: Revision 3.0.1.3 1993/10/16 13:47:30 ram

?RCS: patch12: now makes sure user-specified address is in Internet format

?RCS:

?RCS: Revision

3.0.1.2 1993/09/13 15:48:49 ram

?RCS: patch10: reverted to original intent by the Author himself

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:38:38 ram

?RCS: patch7: now prompts user for its e-mail address

?RCS: patch7: no longer silent when mail has been sent

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:06 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?RCS:

?X:



?X: This unit asks the user to please send a message to the author.  
?X: To force inclusion of this unit, you must add it's name to the  
?X: dependancies on the MAKE line in your private copy of End.U.  
?X: This allows a smart mailagent program to automatically let users know  
?X: when their package is out of date, and to allow users to be notified of  
?X: any future patches.

?X:

?MAKE:MailAuthor mailpatches notifypatches usermail: test cat mailer \  
package Myread patchlevel baserev rm rsrc Oldconfig Configdir

?MAKE: -pick wipe \$@ %<

?S:mailpatches:

?S: Indicates whether the user would like future patches to be mailed

?S: directly

to them.

?S:.

?S:notifypatches:

?S: Indicates whether the user would like notification of future patches

?S: mailed to them.

?S:.

?S:usermail:

?S: This variable is used internally by Configure to keep track of the

?S: user e-mail address, where notifications or patches should be sent.

?S: A '-' value means the return address will be extracted by parsing

?S: the mail headers.

?S:.

?T:opt mailpatches notifypatches atsh status

: notify author that his package is used

if \$test -f ../config/mailauthor &&

cmp \$rsrc/patchlevel.h ../config/mailauthor >/dev/null 2>&1

then

status="say that you're using \$package";

case "\$mailpatches" in

true) status='have patches mailed to you as they are issued';;

esac

case "\$notifypatches" in

true) status='be notified when new patches are issued';;

esac

\$cat <<EOM

You have already sent the author of \$package (<MAINTLOC>) mail to

\$status. If you wish, you may modify

your previous request by sending a new mail with different options.

EOM

rp='Should

I send a status update to <MAINTLOC>?'

dflt=n

else

\$cat <<EOM

If you are able to send mail to the Internet, the author of \$package would really appreciate you letting me send off a quick note, just to say that you've tried it. The author is more likely to spend time maintaining \$package if it's known that many people are using it, and you can even ask to get sent new patches automagically this way if you wish. To protect your privacy, all I'll say in the mail is the version of \$package that you're using.

EOM

```
rp='Should I send mail to <MAINTLOC>?'
dflt=y
?X: Ensure default is 'n' if question has been asked already, in case they
?X: run Configure -d next time and answered 'n' the first time. Therefore,
?X: an empty nomail will be created later on even if no mail is sent.
$test -f ../.config/nomail && dflt=n
fi
. ./myread
case "$ans" in
[yY]*)
echo " "
echo "Great! Your cooperation is really appreciated."
$cat <<EOM
```

Some braindead sites do not set a proper return address in the From: header of their outgoing mail, making it impossible to reply to mail they generate. If your site is broken in this way, write to your system administrator and get it fixed!!! In the mean time, you can manually specify the Internet e-mail address by which the author can get back to you, should there be a need to do so. If manually specified, it should be something like "user@domain.top". If your mail system generates addresses correctly, specify "none".

EOM

```
case "$usermail" in
'|'|) dflt=none;;
*) dflt="$usermail";;
esac
rp='Manually specify a return address to use:'
. ./myread
case "$ans" in
none|*@*.*)
case "$ans" in
none) usermail='-';;
*) usermail="$ans";;
esac
;;
*)
```

```

echo "(Address does not look like an Internet one -- ignoring it.)"
?X:
?X: If we can't trust their mailer or their return address, it's highly
?X: suggested that they only register and don't ask to get anything from
?X: the author, since it's likely to bounce in null-land --
RAM.
?X:
usermail='- '
mailpatches=false
notifypatches=false
;;
esac
echo " "
opt=""
rp='Would you like to have new patches automatically mailed to you?'
case "$mailpatches" in
true) dflt=y;;
*) dflt=n;;
esac
. ./myread
case "$ans" in
[yY]*) opt=' mailpatches'; mailpatches=true;;
*)
mailpatches=false
echo " "
rp='Ok, would you like to simply be notified of new patches?'
case "$notifypatches" in
false) dflt=n;;
*) dflt=y;;
esac
. ./myread
echo " "
case "$ans" in
[yY]*) opt=' notifypatches'; notifypatches=true;;
*)
echo "Fine, I'll simply say that you've tried it then."
notifypatches=false
;;
esac
;;
esac
echo "Sending mail to <MAINTLOC>..." >&4
?X: Bizarre hack here. We can't just put @SH in the hereis lines below, because
?X: metaconfig will interpret it as a command, and there's no quoting mechanism.
?X: Do it via a variable instead.
atsh='@SH'
$mailer <MAINTLOC> <<EOM >/dev/null 2>&1
Subject: Command

```

Precedence: junk  
To: <MAINTLOC>

```
$atsh
package $usermail $package $baserev $patchlevel$opt
EOM
$rm -f ../config/mailauthor ../config/nomail
cp $src/patchlevel.h ../config/mailauthor
;;
*)
case "$dfit" in
"y")
echo "Oh well, maybe next time."
cp /dev/null ../config/nomail
;;
esac
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/MailAuthor.U
```

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_asinh: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_asinh:

?S: This variable conditionally defines the HAS\_ASINH symbol, which

?S: indicates to the C program that the asinh() routine is available.

?S:.

?C:HAS\_ASINH:

?C: This symbol, if defined, indicates that the asinh routine is

?C: available to do the inverse hyperbolic sine function.

?C:.

?H:#\$d\_asinh HAS\_ASINH /\*\*/

?H:.

?LINT:set d\_asinh

: see if asinh exists

set asinh d\_asinh

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_asinh.U
```

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

```
?RCS: $Id: d_getnent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_getnent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_getnent: Inlibc
?MAKE: -pick add $@ %<
?S:d_getnent:
?S: This variable conditionally defines HAS_GETNETENT if getnent() is
?S: available to look up network names in some data base or another.
?S:.
?C:HAS_GETNETENT:
?C: This symbol, if defined, indicates that the getnent() routine is
?C: available to look up network names in some data base
?C: or another.
?C:.
?H:#$d_getnent HAS_GETNETENT /**/
?H:.
?LINT:set d_getnent
: see if getnent exists
set getnent d_getnent
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_getnent.U
```

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

```
?RCS: $Id: d_fcntl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

?RCS:  
?RCS: \$Log: d\_fcntl.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:01 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_fcntl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fcntl:  
?S: This variable conditionally defines the HAS\_FCNTL symbol, and indicates  
?S: whether the fcntl() function exists  
?S:.  
?C:HAS\_FCNTL:  
?C: This symbol, if defined, indicates to the C program that  
?C: the fcntl() function exists.  
?C:.  
?H:#\$d\_fcntl HAS\_FCNTL /\*\*/  
?H:.  
?LINT:set d\_fcntl  
:  
  see if this is an fcntl system  
set fcntl d\_fcntl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fcntl.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_readv: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_readv:  
?S: This variable conditionally defines the HAS\_READV symbol, which  
?S: indicates to the C program that the readv() routine is available.  
?S:.  
?C:HAS\_READV:  
?C: This symbol, if defined, indicates that the readv routine is  
?C: available to do gather reads. You will also need <sys/uio.h>  
?C: and there I\_SYSUIO.  
?C:.  
?H:#\$d\_readv HAS\_READV /\*\*/  
?H:.

```
?LINT:set d_readv
: see if readv exists
set readv d_readv
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_readv.U
```

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

```
?RCS: $Id: d_link.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_link.U,v $
```

```
?RCS: Revision 3.0.1.1 1993/08/25 14:01:13 ram
```

```
?RCS: patch6: created for completeness
```

```
?RCS:
```

```
?MAKE:d_link: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_link:
```

```
?S: This variable conditionally defines HAS_LINK if link() is
```

```
?S: available to create hard links.
```

```
?S:.
```

```
?C:HAS_LINK:
```

```
?C: This symbol, if defined, indicates that the link routine is
```

```
?C: available to create hard links.
```

```
?C:.
```

```
?H:#$d_link HAS_LINK /**/
```

```
?H:.
```

```
?LINT:set d_link
```

```
: see if link exists
```

```
set
```

```
link d_link
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_link.U
```

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

```
?RCS: $Id$
```

?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_strtold: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strtold:  
?S: This variable conditionally defines the HAS\_STRTOLD symbol, which  
?S: indicates to the C program that the strtold() routine is available.  
?S:.  
?C:HAS\_STRTOLD:  
?C: This symbol, if defined, indicates that the strtold routine is  
?C: available to convert strings to long doubles.  
?C:.  
?H:#\$d\_strtold HAS\_STRTOLD /\*\*/  
?H:.  
?LINT:set d\_strtold  
: see if strtold exists  
set strtold d\_strtold  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtold.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2014 Jarkko Hietaniemi & H.Merijn Brand  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_copysign: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_copysign:  
?S: This variable conditionally defines the HAS\_COPYSIGN symbol, which  
?S: indicates to the C program that the copysign() routine is available.  
?S:.  
?C:HAS\_COPYSIGN:  
?C: This symbol, if defined, indicates that the copysign routine is  
?C: available to do the copysign function.  
?C:.  
?H:#\$d\_copysign HAS\_COPYSIGN /\*\*/  
?H:.  
?LINT:set d\_copysign



```
: see if copysign exists
set copysign d_copysign
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_copysign.U
```

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

?RCS: Copyright (c) 2017-2018, H.Merijn Brand

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_mkostemp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mkostemp:

?S: This variable conditionally defines HAS\_MKOSTEMP if mkostemp() is

?S: available to exclusively create and open a uniquely named (with a

?S: suffix) temporary file.

?S:.

?C:HAS\_MKOSTEMP:

?C: This symbol, if defined, indicates that the mkostemp routine is

?C: available to exclusively create and open a uniquely named (with a

?C: suffix) temporary file.

?C:.

?H:#\$d\_mkostemp HAS\_MKOSTEMP /\*\*/

?H:.

?LINT:set d\_mkostemp

```
: see if mkostemp exists
```

```
set mkostemp d_mkostemp
```

```
eval $inlibc
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_mkostemp.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

```

?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: patchlevel.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 16:18:41 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:31 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:patchlevel: package baserev test rsrc
?MAKE: -pick add $@ %<
?T:Revision
?S:patchlevel:
?S: The patchlevel level of this package.
?S: The value of patchlevel comes from the patchlevel.h file.
?S:.
: get the patchlevel
echo " "
echo "Getting the current patchlevel..." >&4
if $test -r
  $src/patchlevel.h;then
  patchlevel=`awk \
  '/^#[ ]*define[ ]*[ ]*PATCHLEVEL/ {print $3}' \
  < $src/patchlevel.h`
else
  patchlevel=0
fi
echo "(You have $package $baserev PL$patchlevel.)"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/patchlevel.U

```

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

```

?RCS: $Id: d_rmdir.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_rmdir.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:56 ram

```

?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_rmdir: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_rmdir:  
?S: This variable conditionally defines HAS\_RMDIR if rmdir() is  
?S: available to remove directories.  
?S:.  
?C:HAS\_RMDIR (RMDIR):  
?C: This symbol, if defined, indicates that the rmdir routine is  
?C: available to remove directories. Otherwise you should fork off a  
?C: new process to exec  
/bin/rmdir.  
?C:.  
?H:#\$d\_rmdir HAS\_RMDIR /\*\*/  
?H:.  
?LINT:set d\_rmdir  
: see if rmdir exists  
set rmdir d\_rmdir  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_rmdir.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:ivdformat uvuformat uvoformat uvxformat uvXUformat \  
nvEUformat nvFUformat nvGUformat \  
nveformat nvffformat nvformat: \  
ivsize longsize intsize shortsize \  
sPRId64 sPRIu64 sPRIo64 sPRIx64 sPRIXU64 \  
uselongdouble d\_longdbl usequadmath d\_PRIgldbl \  
sPRIEUldbl sPRIFUldbl sPRIGUldbl sPRIeldbl sPRIfldbl sPRIgldbl \  
test echo  
?MAKE: -pick add \$@ %<  
?S:ivdformat:  
?S: This variable contains the format string used for printing  
?S: a Perl IV as a signed decimal integer.  
?S:.  
?S:uvuformat:  
?S: This variable contains the format string used for printing

?S: a Perl UV as an unsigned decimal integer.  
?S:.  
?S:uvoformat:  
?S: This variable contains the format string used for printing  
?S: a Perl UV as an unsigned  
octal integer.  
?S:.  
?S:uvxformat:  
?S: This variable contains the format string used for printing  
?S: a Perl UV as an unsigned hexadecimal integer in lowercase abcdef.  
?S:.  
?S:uvXUformat:  
?S: This variable contains the format string used for printing  
?S: a Perl UV as an unsigned hexadecimal integer in uppercase ABCDEF.  
?S:.  
?S:nveformat:  
?S: This variable contains the format string used for printing  
?S: a Perl NV using %e-ish floating point format.  
?S:.  
?S:nvffformat:  
?S: This variable contains the format string used for printing  
?S: a Perl NV using %f-ish floating point format.  
?S:.  
?S:nvgformat:  
?S: This variable contains the format string used for printing  
?S: a Perl NV using %g-ish floating point format.  
?S:.  
?S:nvEUformat:  
?S: This variable contains the format string used for printing  
?S: a Perl NV using %E-ish floating point format.  
?S:.  
?S:nvFUformat:  
?S: This variable contains the format string used for printing  
?S: a Perl NV using %F-ish floating point format.  
?S:.  
?S:nvGUformat:  
?S: This  
variable contains the format string used for printing  
?S: a Perl NV using %G-ish floating point format.  
?S:.  
?C:IVdf:  
?C: This symbol defines the format string used for printing a Perl IV  
?C: as a signed decimal integer.  
?C:.  
?C:UVuf:  
?C: This symbol defines the format string used for printing a Perl UV  
?C: as an unsigned decimal integer.  
?C:.

?C:UVof:  
?C: This symbol defines the format string used for printing a Perl UV  
?C: as an unsigned octal integer.  
?C:.

?C:UVxf:  
?C: This symbol defines the format string used for printing a Perl UV  
?C: as an unsigned hexadecimal integer in lowercase abcdef.  
?C:.

?C:UVXf:  
?C: This symbol defines the format string used for printing a Perl UV  
?C: as an unsigned hexadecimal integer in uppercase ABCDEF.  
?C:.

?C:NVef:  
?C: This symbol defines the format string used for printing a Perl NV  
?C: using %e-ish floating point format.  
?C:.

?C:NVff:  
?C: This symbol defines the format string used for printing a Perl NV  
?C: using %f-ish floating point  
format.  
?C:.

?C:NVgf:  
?C: This symbol defines the format string used for printing a Perl NV  
?C: using %g-ish floating point format.  
?C:.

?C:NVEf:  
?C: This symbol defines the format string used for printing a Perl NV  
?C: using %E-ish floating point format.  
?C:.

?C:NVFF:  
?C: This symbol defines the format string used for printing a Perl NV  
?C: using %F-ish floating point format.  
?C:.

?C:NVGf:  
?C: This symbol defines the format string used for printing a Perl NV  
?C: using %G-ish floating point format.  
?C:.

?H:#define IVdf \$ivdformat /\*\*/  
?H:#define UVuf \$uvuformat /\*\*/  
?H:#define UVof \$uvoformat /\*\*/  
?H:#define UVxf \$uvxf format /\*\*/  
?H:#define UVXf \$uvXUformat /\*\*/  
?H:#define NVef \$nveformat /\*\*/  
?H:#define NVff \$nvffformat /\*\*/  
?H:#define NVgf \$nvgf format /\*\*/  
?H:#define NVEf \$nvEUformat /\*\*/  
?H:#define NVFf \$nvFUformat /\*\*/  
?H:#define NVGf \$nvGUformat /\*\*/

?H:

: Check format strings for internal types

echo " "

\$echo "Checking the format strings to be used for Perl's  
internal types..." >&4

if \$test X"\$ivsize" = X8; then

ivdformat="\$sPRId64"

uvuformat="\$sPRU64"

uvoformat="\$sPRIo64"

uvxformat="\$sPRIX64"

uvXUformat="\$sPRIXU64"

else

if \$test X"\$ivsize" = X"\$longsize"; then

ivdformat="Id"

uvuformat="lu"

uvoformat="lo"

uvxformat="Ix"

uvXUformat="IX"

else

if \$test X"\$ivsize" = X"\$intsize"; then

ivdformat="d"

uvuformat="u"

uvoformat="o"

uvxformat="x"

uvXUformat="X"

else

: far out

if \$test X"\$ivsize" = X"\$shortsize"; then

ivdformat="hd"

uvuformat="hu"

uvoformat="ho"

uvxformat="hx"

uvXUformat="hX"

fi

fi

fi

fi

if \$test X"\$usequadmath" = X"\$define"; then

nveformat="Qe"

nvffformat="Qf"

nvgformat="Qg"

nvEUformat="QE"

nvFUformat="QF"

nvGUformat="QG"

else

if \$test X"\$uselongdouble" = X"\$define" -a X"\$d\_longdbl" = X"\$define" -a X"\$d\_PRIdbl" = X"\$define"; then

```

nveformat="$sPRIeldbl"
nvffformat="$sPRIfldbl"
nvgformat="$sPRIGldbl"
nvEUformat="$sPRIEUldbl"
nvFUformat="$sPRIFUldbl"
nvGUformat="$sPRIGUldbl"
    else
nveformat="e"
nvffformat="f"
nvgformat="g"
nvEUformat="E"
nvFUformat="F"
nvGUformat="G"
    fi
fi

case "$ivdformat" in
") echo "$0: Fatal: failed to find format strings, cannot continue." >&4
    exit 1
    ;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perlxf.U
```

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

```

?RCS: $Id: sitebin.U,v $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: sitebin.U,v $
?RCS:
?MAKE:sitebin sitebinexp installsitebin : Getfile Oldconfig \
Setprefixvar siteprefix
?MAKE: -pick add $@ %<
?Y:TOP
?D:sitebin="
?S:sitebin:
?S: This variable holds the name of the directory in which the user wants
?S: to put add-on publicly executable files for the package in question. It
?S: is most often a local directory such as /usr/local/bin. Programs using

```

?S: this variable must be prepared to deal with ~name substitution.  
 ?S: The standard distribution will put nothing  
 in this directory.  
 ?S: After perl has been installed, users may install their own local  
 ?S: executables in this directory with  
 ?S: MakeMaker Makefile.PL  
 ?S: or equivalent. See INSTALL for details.  
 ?S:.  
 ?D:sitebinexp="  
 ?S:sitebinexp:  
 ?S: This is the same as the sitebin variable, but is filename expanded at  
 ?S: configuration time, for use in your makefiles.  
 ?S:.  
 ?D:installsitebin="  
 ?S:installsitebin:  
 ?S: This variable is usually the same as sitebinexp, unless you are on  
 ?S: a system running AFS, in which case they may differ slightly. You  
 ?S: should always use this variable within your makefiles for portability.  
 ?S:.  
 ?LINT:change prefixvar  
 ?LINT:set installsitebin  
 ?LINT:set sitebin  
 ?LINT:set sitebinexp  
 : determine where add-on public executables go  
 case "\$sitebin" in  
 ") dflt=\$siteprefix/bin ;;  
 \*) dflt=\$sitebin ;;  
 esac  
 fn=d~  
 rp='Pathname where the add-on public executables should be installed'  
 ./getfile  
 prefixvar=sitebin  
 ./setprefixvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitebin.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_statfs\_f\_flags: \

Hasfield i\_sysparam i\_sysmount i\_systypes \



```

i_sysvfs i_sysstatfs Setvar d_statfs_s
?MAKE: -pick add $@ %<
?S:d_statfs_f_flags:
?S: This variable conditionally defines the HAS_STRUCT_STATFS_F_FLAGS
?S: symbol, which indicates to struct statfs from has f_flags member.
?S: This kind of struct statfs is coming from sys/mount.h (BSD),
?S: not from sys/statfs.h (SYSV).
?S:.
?C:HAS_STRUCT_STATFS_F_FLAGS:
?C: This symbol, if defined, indicates that the struct statfs
?C: does have the f_flags member containing the mount flags of
?C: the filesystem containing the file.
?C: This kind of struct statfs is coming from <sys/mount.h> (BSD 4.3),
?C: not from <sys/statfs.h> (SYSV). Older BSDs
(like Ultrix) do not
?C: have statfs() and struct statfs, they have ustat() and getmnt()
?C: with struct ustat and struct fs_data.
?C:.
?H:#$d_statfs_f_flags HAS_STRUCT_STATFS_F_FLAGS /**/
?H:.
?LINT:set d_statfs_f_flags
: see if struct statfs knows about f_flags
case "$d_statfs_s" in
define)
echo " "
echo "Checking to see if your struct statfs has f_flags field..." >&4
set d_statfs_f_flags statfs f_flags $i_systypes sys/types.h $i_sysparam sys/param.h $i_sysmount sys/mount.h
$i_sysvfs sys/vfs.h $i_sysstatfs sys/statfs.h
eval $hasfield
;;
*) val="$undef"
set d_statfs_f_flags
eval $setvar
;;
esac
case "$d_statfs_f_flags" in
"$define") echo "Yes, it does." ;;
*) echo "No, it doesn't." ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_statfs_f_flags.U

```

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

```

?RCS: $Id: packadmin.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1996, Andy Dougherty

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:packadmin: cf_email Oldconfig Myread cat spackage package
?MAKE: -pick add $@ %<
?Y:TOP
?S:packadmin:
?S: Electronic mail address of the package administrator.
?S:.
: check wehther they will act as local admin for the package
$cat <<EOM

```

If you or somebody else will be maintaining \$package at your site, please fill in the correct e-mail address here so that they may be contacted if necessary. You may enter "none" for no administrator.

```

EOM
case "$packadmin" in
*) dflt="$cf_email";;
*) dflt="$packadmin";;
esac
rp="$spackage administrator e-mail address"
./myread
packadmin="$ans"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/packadmin.U

```

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

```

?RCS: $Id: d_pwrite.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_pwrite.U,v $
?RCS:

```

?MAKE:d\_pwrite: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_pwrite:  
?S: This variable conditionally defines the HAS\_PWRITE symbol, which  
?S: indicates to the C program that the pwrite() routine is available.  
?S:.  
?C:HAS\_PWRITE :  
?C: This symbol, if defined, indicates that the pwrite routine is  
?C: available to perform writes on a file descriptor at a given offset.  
?C:.  
?H:#\$d\_pwrite HAS\_PWRITE /\*\*/  
?H:.  
?LINT:set d\_pwrite  
: see if pwrite  
exists  
set pwrite d\_pwrite  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pwrite.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_j0 d\_j0l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_j0:

?S: This variable conditionally defines the HAS\_J0 symbol, which

?S: indicates to the C program that the j0() routine is available.

?S:.

?S:d\_j0l:

?S: This variable conditionally defines the HAS\_J0L symbol, which

?S: indicates to the C program that the j0l() routine is available.

?S:.

?C:HAS\_J0:

?C: This symbol, if defined, indicates to the C program that the

?C: j0() function is available for Bessel functions of the first

?C: kind of the order zero, for doubles.

?C:.

?C:HAS\_J0L:

?C: This symbol, if defined, indicates to the C program that the

?C: j0l() function is available for Bessel functions of the first

?C: kind of the order zero, for long doubles.

?C:.

?H:#\$d\_j0 HAS\_J0 /\*\*/  
?H:#\$d\_j0l HAS\_J0L /\*\*/

```
?H:
?LINT:set
d_j0
?LINT:set d_j0l
: see if j0 exists
set j0 d_j0
eval $inlibc
```

```
: see if j0l exists
set j0l d_j0l
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_j0.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000, Jarkko Hietaniemi
```

```
?RCS:
```

```
?X:
```

```
?X: This unit allows the duplication of the source tree to the current
```

```
?X: directory via symbolic links. This must be requested explicitly
```

```
?X: by them issuing a -Dmksymlinks on the command line.
```

```
?X:
```

```
?MAKE:Mksymlinks: Mkdirp lns issymlink src rsrc pkgsrc
```

```
?MAKE: -pick add $@ %<
```

```
?F:!UU
```

```
?T: dir filename tmppwd filelist
```

```
?LINT:extern mksymlinks
```

```
@if {test -f ../MANIFEST}
```

```
: Duplicate the tree with symbolic links if -Dmksymlinks was supplied
```

```
case "$mksymlinks"
```

```
in
```

```
$define|true|[yY]*)
```

```
echo " "
```

```
case "$src" in
```

```
"|.") echo "Cannot create symlinks in the original directory." >&4
```

```
exit 1
```

```

;;
*) case "$lns:$sissymlink" in
*"ln"*" -s:"*"test -"?)
echo "Creating the symbolic links..." >&4
echo "(First creating the subdirectories..." >&4
cd ..
awk '{print $1}' $src/MANIFEST | grep / | sed 's:[^/]*$::' | \
sort -u | while true
do
read dir
test -z "$dir" && break
./UU/mkdirp $dir 2>/dev/null
if test -d $dir; then
: ok
else
echo "Failed to create '$dir'. Aborting." >&4
exit 1
fi
done
echo "(Now creating the symlinks..." >&4
awk '{print $1}' $src/MANIFEST | while true; do
read filename
test -z "$filename" && break
if test -f $filename; then
if $sissymlink $filename; then
rm -f $filename
fi
fi
if test -f $filename; then
echo "$filename already exists, not symlinking."
else
?X: Note that the following works because "$pkgsrc" is absolute
ln
-s $pkgsrc/$filename $filename
fi
done
?X: Check that everything was correctly copied
echo "(Checking current directory..." >&4
cd UU
awk '$1 !~ /PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
(split -l 50 2>/dev/null || split -50)
rm -f missing
tmppwd=`pwd`
for filelist in x??: do
(cd ..; ls `cat "$tmppwd/$filelist" ` \
>/dev/null 2>>"$tmppwd/missing")
done
if test -s missing; then

```

```

    echo "Failed duplication of source tree. Aborting." >&4
    exit 1
fi
;;
*) echo "(I cannot figure out how to do symbolic links, ignoring!)" >&4
;;
esac
;;
esac
;;
esac
@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Mksymlinks.U
```

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

```

?RCS: $Id: randfunc.U,v 3.0 1993/08/18 12:09:39 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: randfunc.U,v $
?RCS: Revision 3.0 1993/08/18 12:09:39 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This is the new unit that should be used when random
?X: functions are to be used. It thus makes randbits.U obsolete.
?X:
?X: This unit gives a simple #define for Drand01, which produces
?X: doubles in the range [0,1) using the "best" random number
?X: generator available. The source should just call Drand01
?X: and not worry about the underlying
?X: implementation.
?X: Andy Dougherty July 1998
?X:
?MAKE:randfunc drand01 seedfunc randbits randseedtype: \
?MAKE: Compile Myread Csym cflags
?MAKE: -pick add $@ %<
?S:randfunc:

```

?S: Indicates the name of the random number function to use.

?S: Values include drand48, random, and rand. In C programs,

?S: the 'Drand01' macro is defined to generate uniformly distributed

?S: random numbers over the range [0., 1.[ (see drand01 and nrand).

?S:.

?S:drand01:

?S: Indicates the macro to be used to generate normalized

?S: random numbers. Uses randfunc, often divided by

?S: (double) (((unsigned long) 1 << randbits)) in order to

?S: normalize the result.

?S: In C programs, the macro 'Drand01' is mapped to drand01.

?S:.

?S:randseedtype:

?S: Indicates the type of the argument of the seedfunc.

?S:.

?S:seedfunc:

?S: Indicates the random number generating seed function.

?S: Values include srand48, srandom, and srand.

?S:.

?S:randbits:

?S: Indicates how many bits are produced by the function used to

?S: generate

normalized random numbers.

?S:.

?C:RANDFUNC:

?C: This symbol defines the random function used to define Drand01().

?C:.

?C:Drand01:

?C: This macro is to be used to generate uniformly distributed

?C: random numbers over the range [0., 1.[. You may have to supply

?C: an 'extern double drand48();' in your program since SunOS 4.1.3

?C: doesn't provide you with anything relevant in its headers.

?C: See HAS\_DRAND48\_PROTO.

?C:.

?C:Rand\_seed\_t:

?C: This symbol defines the type of the argument of the

?C: random seed function.

?C:.

?C:seedDrand01:

?C: This symbol defines the macro to be used in seeding the

?C: random number generator (see Drand01).

?C:.

?C:RANDBITS:

?C: This symbol indicates how many bits are produced by the

?C: function used to generate normalized random numbers.

?C: Values include 15, 16, 31, and 48.

?C:.

?H:#define RANDFUNC \$randfunc /\*\*/

```

?H:#define Drand01() $drand01 /**/
?H:#define Rand_seed_t $randseedtype /**/
?H:#define seedDrand01(x) $seedfunc((Rand_seed_t)x) /**/
?H:#define
  RANDBITS $randbits /**/
?H:.
?LINT:change ccflags
?LINT:unclosed $randbits))"
: How can we generate normalized random numbers ?
echo " "
echo "Using our internal random number implementation..." >&4

case "$ccflags" in
*-Dmy_rand=|*-Dmy_srand=*)
  echo "Removing obsolete -Dmy_rand, -Dmy_srand, and -Drandbits from ccflags." >&4
  ccflags="`echo $ccflags | sed -e 's/-Dmy_rand=random/ /'"
  ccflags="`echo $ccflags | sed -e 's/-Dmy_srand=random/ /'"
  ccflags="`echo $ccflags | sed -e 's/-Drandbits=[0-9][0-9]*/ /'"
  ;;
esac

randfunc=Perl_drand48
drand01="Perl_drand48()"
seedfunc="Perl_drand48_init"
randbits=48
randseedtype=U32

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/randfunc.U

```

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

?RCS: \$Id: d\_gethostent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_gethostent\_r gethostent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_gethostent\_r:

?S: This variable conditionally defines the HAS\_GETHOSTENT\_R symbol,

?S: which indicates to the C program that the gethostent\_r()

?S: routine is available.

?S:.



?S: gethostent\_r\_proto:  
 ?S: This variable encodes the prototype of gethostent\_r.  
 ?S: It is zero if d\_gethostent\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostent\_r  
 ?S: is defined.  
 ?S:.  
 ?C: HAS\_GETHOSTENT\_R:  
 ?C: This symbol, if defined, indicates that the gethostent\_r routine  
 ?C: is  
 available to gethostent re-entrantly.  
 ?C:.  
 ?C: GETHOSTENT\_R\_PROTO:  
 ?C: This symbol encodes the prototype of gethostent\_r.  
 ?C: It is zero if d\_gethostent\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_gethostent\_r  
 ?C: is defined.  
 ?C:.  
 ?H: #d\_gethostent\_r HAS\_GETHOSTENT\_R /\*\*/  
 ?H: #define GETHOSTENT\_R\_PROTO \$gethostent\_r\_proto /\*\*/  
 ?H:.  
 ?T: try hdrs d\_gethostent\_r\_proto  
 : see if gethostent\_r exists  
 set gethostent\_r d\_gethostent\_r  
 eval \$inlibc  
 case "\$d\_gethostent\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
 case "\$d\_gethostent\_r\_proto:\$usethreads" in  
 ":define") d\_gethostent\_r\_proto=define  
 set d\_gethostent\_r\_proto gethostent\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_gethostent\_r\_proto" in  
 define)  
 case "\$gethostent\_r\_proto" in  
 "|0) try='int gethostent\_r(struct hostent\*, char\*, size\_t, struct hostent\*\*, int\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && gethostent\_r\_proto=I\_SBWRE ;;  
 esac  
 case "\$gethostent\_r\_proto"  
 in  
 "|0) try='int gethostent\_r(struct hostent\*, char\*, int, int\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && gethostent\_r\_proto=I\_SBIE ;;  
 esac  
 case "\$gethostent\_r\_proto" in  
 "|0) try='struct hostent\* gethostent\_r(struct hostent\*, char\*, int, int\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && gethostent\_r\_proto=S\_SBIE ;;  
 esac

```

case "$gethostent_r_proto" in
"|0) try='struct hostent* gethostent_r(struct hostent*, char*, int);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=S_SBI ;;
esac
case "$gethostent_r_proto" in
"|0) try='int gethostent_r(struct hostent*, char*, int);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=I_SBI ;;
esac
case "$gethostent_r_proto" in
"|0) try='int gethostent_r(struct hostent*, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && gethostent_r_proto=I_SD ;;
esac
case "$gethostent_r_proto" in
"|0) d_gethostent_r=undef
gethostent_r_proto=0
echo "Disabling gethostent_r, cannot determine prototype." >&4 ;;
*) case
"$gethostent_r_proto" in
REENTRANT_PROTO*) ;;
*) gethostent_r_proto="REENTRANT_PROTO_$gethostent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "gethostent_r has no prototype, not using it." >&4 ;;
esac
d_gethostent_r=undef
gethostent_r_proto=0
;;
esac
;;
*) gethostent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/threads/d_gethostent_r.U

```

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

?RCS: \$Id: i\_sysstatvfs.U,v \$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_sysstatvfs: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_sysstatvfs:  
?S: This variable conditionally defines the I\_SYSSTATVFS symbol,  
?S: and indicates whether a C program should include <sys/statvfs.h>.  
?S:.  
?C:I\_SYS\_STATVFS:  
?C: This symbol, if defined, indicates that <sys/statvfs.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_sysstatvfs I\_SYS\_STATVFS /\*\*/  
?H:.  
?LINT:set i\_sysstatvfs  
: see if this is a sys/statvfs.h system  
set sys/statvfs.h i\_sysstatvfs  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_sysstatvfs.U

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1997, Chip Salzenberg  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sh.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:20:13 ram  
?RCS: patch61: created  
?RCS:  
?MAKE:sh: Head  
?MAKE: -pick wipe \$@ %<  
?S:sh:  
?S: This variable contains the full pathname of the shell used  
?S: on this system to execute Bourne shell scripts. Usually, this will be  
?S: /bin/sh, though it's possible that some systems will have /bin/ksh,  
?S: /bin/pdksh, /bin/ash, /bin/bash, or even something such as  
?S: D:/bin/sh.exe.  
?S: This unit comes before Options.U,  
so you can't set sh with a -D  
?S: option, though you can override this (and startsh)

?S: with -O -Dsh=/bin/whatever -Dstartsh=whatever

?S:.

?C:SH\_PATH:

?C: This symbol contains the full pathname to the shell used on this

?C: on this system to execute Bourne shell scripts. Usually, this will be

?C: /bin/sh, though it's possible that some systems will have /bin/ksh,

?C: /bin/pdksh, /bin/ash, /bin/bash, or even something such as

?C: D:/bin/sh.exe.

?C:.

?H:#define SH\_PATH "\$sh" /\*\*/

?H:.

?T:xxx try pth p SYSTYPE

?LINT:extern maintloc maintname

?X:

?X: Be quiet unless something unusual happens because this gets

?X: loaded up even before options are processed.

?X: Can't use ./loc because that depends on startsh, which, in turn

?X: depends on this unit.

?X:

: Find the basic shell for Bourne shell scripts

```

case "$sh" in
")
?X: SYSTYPE is for some older MIPS systems.
?X: I do not know if it is still needed.
case "$SYSTYPE" in
*bsd*|sys5*) xxx="/$SYSTYPE/bin/sh";;
*) xxx='/bin/sh';;
esac
if
test -f "$xxx"; then
sh="$xxx"
else
: Build up a list and do a single loop so we can 'break' out.
pth=`echo $PATH | sed -e "s/$p_/ /g"`
for xxx in sh bash ksh pdksh ash; do
for p in $pth; do
try="$try ${p}/${xxx}"
done
done
for xxx in $try; do
if test -f "$xxx"; then
sh="$xxx"
break
elif test -f "$xxx$_exe"; then
sh="$xxx"
break
elif test -f "$xxx.exe"; then
sh="$xxx"

```

```
break
fi
done
fi
;;
esac
```

?X: fd 4 isn't open yet...

```
case "$sh" in
") cat >&2 <<EOM
$me: Fatal Error: I can't find a Bourne Shell anywhere.
```

Usually it's in /bin/sh. How did you even get this far?  
Please contact me (<\$maintname>) at <\$maintloc> and  
we'll try to straighten this all out.

```
EOM
exit 1
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sh.U
```

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

```
?RCS: $Id: d_pause.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_pause.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:09:54 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:d_pause: Inlibc
?MAKE:-pick add $@ %<
?S:d_pause:
?S: This variable conditionally defines the HAS_PAUSE symbol, which
?S: indicates to the C program that the pause() routine is available
?S: to suspend a process until a signal is received.
?S:.
```

?C:HAS\_PAUSE :  
?C: This symbol,  
if defined, indicates that the pause routine is  
?C: available to suspend a process until a signal is received.

?C:.  
?H:#\$d\_pause HAS\_PAUSE /\*\*/  
?H:.

?LINT:set d\_pause  
: see if pause exists  
set pause d\_pause  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pause.U

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

?RCS: \$Id: d\_gethname.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_gethname.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:13:00 ram

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:11 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_gethname d\_uname d\_phostname aphostname: phostname cat \

myhostname package d\_portable Loc echo n c +i\_whoami +usrinc \

Myread Guess Oldconfig Csym

?MAKE: -pick add \$@ %<

?S:d\_gethname:

?S: This variable conditionally

defines the HAS\_GETHOSTNAME symbol, which

?S: indicates to the C program that the gethostname() routine may be

?S: used to derive the host name.

?S:.

?S:d\_uname:

?S: This variable conditionally defines the HAS\_UNAME symbol, which

?S: indicates to the C program that the uname() routine may be

?S: used to derive the host name.

?S:.

?S:d\_phostname:

?S: This variable conditionally defines the HAS\_PHOSTNAME symbol, which

?S: contains the shell command which, when fed to popen(), may be

?S: used to derive the host name.

?S:.

?S:aphostname:

?S: This variable contains the command which can be used to compute the

?S: host name. The command is fully qualified by its absolute path, to make

?S: it safe when used by a process with super-user privileges.

?S:.

?C:HAS\_GETHOSTNAME (GETHOSTNAME):

?C: This symbol, if defined, indicates that the C program may use the

?C: gethostname() routine to derive the host name. See also HAS\_UNAME

?C: and PHOSTNAME.

?C:.

?C:HAS\_UNAME (UNAME):

?C: This symbol,

if defined, indicates that the C program may use the

?C: uname() routine to derive the host name. See also HAS\_GETHOSTNAME

?C: and PHOSTNAME.

?C:.

?C:PHOSTNAME:

?C: This symbol, if defined, indicates the command to feed to the

?C: popen() routine to derive the host name. See also HAS\_GETHOSTNAME

?C: and HAS\_UNAME. Note that the command uses a fully qualified path,

?C: so that it is safe even if used by a process with super-user

?C: privileges.

?C:.

?C:HAS\_PHOSTNAME:

?C: This symbol, if defined, indicates that the C program may use the

?C: contents of PHOSTNAME as a command to feed to the popen() routine

?C: to derive the host name.

?C:.

```
?H:?%<:#$d_gethname HAS_GETHOSTNAME /**/
?H:?%<:#$d_uname HAS_UNAME /**/
?H:?%<:#$d_phostname HAS_PHOSTNAME /**/
?H:?%<:#ifdef HAS_PHOSTNAME
?H:?%<:#define PHOSTNAME "$aphostname" /* How to get the host name */
?H:?%<:#endif
?H:.
```

?T:file val call

?LINT:change i\_whoami

: see how we will look up host name

echo " "

call="

@if HAS\_GETHOSTNAME

if

```

set gethostname val -f d_gethname; eval $csym; $val; then
echo 'gethostname() found.' >&4
d_gethname="$define"
call=gethostname
fi
@end
@if HAS_UNAME
if set uname val -f d_uname; eval $csym; $val; then
if ./xenix; then
$cat <<'EOM'
uname() was found, but you're running xenix, and older versions of xenix
have a broken uname(). If you don't really know whether your xenix is old
enough to have a broken system call, use the default answer.

```

EOM

```

dflt=y
case "$d_uname" in
"$define") dflt=n;;
esac
rp='Is your uname() broken?'
./myread
case "$ans" in
n*) d_uname="$define"; call=uname;;
esac
else
echo 'uname() found.' >&4
d_uname="$define"
case "$call" in
") call=uname ;;
esac
fi
fi
@end
case "$d_gethname" in
") d_gethname="$undef";;
esac
case "$d_uname" in
") d_uname="$undef";;
esac
@if PHOSTNAME || MYHOSTNAME
case "$d_uname$d_gethname" in
*define*)
dflt=n
cat <<EOM

```

Every now and then someone has a \$call() that lies about the hostname  
but can't be fixed



```

for political or economic reasons. If you wish, I can
@if MYHOSTNAME && PHOSTNAME
pretend $call() isn't there and maybe compile in the hostname or
compute it from the '$phostname' command at run-time.
@elsif MYHOSTNAME
pretend $call() isn't there and maybe compile in the hostname.
@elsif PHOSTNAME
pretend $call() isn't there and maybe compute hostname at run-time
thanks to the '$phostname' command.
@elsif WHOAMI
get the hostname from whomai.h (provided you have one).
@else
simply ignore your host name and use something like "noname" instead.
@end

```

EOM

```

rp="Shall I ignore $call() from now on?"
. ./myread
case "$ans" in
y*) d_undef="$undef" d_gethname="$undef"; $echo $n "Okay...$c";;
esac;;
esac
@end
@if PHOSTNAME || aphostname
?X: Compute the full path name for the command
case "$phostname" in
") aphostname="";;
*) case "$aphostname" in
/*) ;;
*) set X $phostname
shift
file=$1
shift
file=`./loc $file $file $pth`
aphostname=`echo $file $*`
;;
esac
;;
esac
@end
@if
PHOSTNAME && MYHOSTNAME
case "$d_undef$d_gethname" in
*define*) ;;
*)
case "$phostname" in
") ;;
*)

```

\$cat <<EOT

There is no gethostname() or uname() on this system. You have two possibilities at this point:

- 1) You can have your host name (\$myhostname) compiled into \$package, which lets \$package start up faster, but makes your binaries non-portable, or
- 2) you can have \$package use a

```
popen("$aphostname","r")
```

which will start slower but be more portable.

@ if WHOAMI

Option 1 will give you the option of using whoami.h if you have one.

@ end

If you want option 2 but with a different command, you can edit config.sh at the end of this shell script.

EOT

```
case "$d_phostname" in
"$define") dflt=n;;
"$undef") dflt=y;;
")
case "$d_portable" in
"$define") dflt=n ;;
*) dflt=y ;;
esac;;
esac
rp="Do you want your host name compiled in?"
./myread
case "$ans" in
n*) d_phostname="$define" ;;
*) aphostname=""; d_phostname="$undef";;
esac;;
esac
case
"$aphostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat <<EOM
```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

EOM

```
rp="Use whoami.h to get hostname?"
./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
$cat <<EOM
```

No hostname function and no whoami.h -- hardwiring "\$myhostname".

EOM

```
;;
esac;;
@ else
echo 'No hostname function -- hardwiring "$myhostname"! '>&4;;
@ end
esac;;
esac
@elsif PHOSTNAME
case "$d_uname$d_gethname" in
*define*) ;;
*)
case "$phostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
$cat <<EOM
```

No hostname function--we'll use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

EOM

```
;;
*) echo "There will be no way for $package to get your hostname." >&4;;
esac;;
@ else
echo "There will be no way
for $package to get your hostname." >&4;;
@ end
*)
echo "I'll use 'popen('"'$aphostname"', "r")' to get your hostname." >&4
;;
esac;;
esac
```

```

@elsif MYHOSTNAME
case "$d_underscore$d_gethostname" in
*define*) ;;
*)
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat <<EOM

```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

EOM

```

rp="Use whoami.h to get hostname?"
. ./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
echo 'No whoami.h--hardwiring "$myhostname".' >&4;;
esac;;
@ else
echo 'Hardwiring "$myhostname".' >&4;;
@ end
esac
@end
case "$d_phostname" in
") d_phostname="$undef";;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_gethostname.U
```

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?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:uselongdouble: Myread Oldconfig Setvar cat test usemorebits

?MAKE: -pick add \$@ %<

```

?Y:TOP
?S:uselongdouble:
?S: This variable conditionally defines the USE_LONG_DOUBLE symbol,
?S: and indicates that long doubles should be used when available.
?S:.
?C:USE_LONG_DOUBLE:
?C: This symbol, if defined, indicates that long doubles should
?C: be used when available.
?C:.
?H:%<:#ifndef USE_LONG_DOUBLE
?H:%<:#$uselongdouble USE_LONG_DOUBLE /**/
?H:%<:#endif
?H:.
?LINT:extern ccflags
?LINT:use usemorebits
?F:!uselongdouble.cbu
: Check for uselongdouble support
case "$ccflags" in
*-DUSE_LONG_DOUBLE*|*-DUSE_MORE_BITS*) uselongdouble="$define" ;;
esac

case "$uselongdouble" in
$define|true|[yY]*) dflt='y';;
*)
dflt='n';;
esac
cat <<EOM

```

Perl can be built to take advantage of long doubles which (if available) may give more accuracy and range for floating point numbers.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```

EOM
rp="Try to use long doubles if available?"
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set uselongdouble
eval $setvar

case "$uselongdouble" in
true|[yY]*) uselongdouble="$define" ;;
esac

```

: Look for a hint-file generated 'call-back-unit'. If the  
: user has specified that long doubles should be used,

```

: we may need to set or change some other defaults.
if $test -f uselongdouble.cbu; then
    echo "Your platform has some specific hints regarding long doubles, using them..."
    ./uselongdouble.cbu
else
    case "$uselongdouble" in
    $define)
        $cat <<EOM
(Your platform does not have any specific hints for long doubles.)
EOM
        ;;
    esac
fi

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/uselongdbl.U
```

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

```

?RCS: $Id: Setprefixvar.U,v 3.0 2006/04/01 17:25:29 hmbrand $
?RCS:
?RCS: Copyright (c) 2006-2006, H.Merijn Brand & Nicholas Clark
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?X:
?X: This unit sets up the scripts installprefix and setprefixvar, so code
?X: in other parts can be more simple and maintainable
?X:
?MAKE:Setprefixvar: Myread Getfile startsh eunicefix test \
prefix prefixexp installprefix installprefixexp
?MAKE: -pick add $@ %<
?LINT:extern prefixvar
?X: metalint still sees "\${prefixvar}exp`" as variable :(
?T:prefixvarexp
?F:./setprefixvar
?F:./installprefix
: Perform
the prefixexp/installprefixexp correction if necessary
cat <<EOS >installprefix
$startsh
EOS
cat <<'EOSC' >>installprefix

```

```

: Change installation prefix, if necessary.
if $test X"$prefix" != X"$installprefix"; then
    eval "install${prefixvar}=\`echo \${$prefixvar}exp | sed \"s#^\${prefixexp#\$installprefixexp#\"`\"
else
    eval "install${prefixvar}=\\"$${prefixvar}exp\""
fi
EOSC
chmod +x installprefix
$eunicefix installprefix

```

```

: Set variables such as privlib and privlibexp from the output of ./getfile
: performing the prefixexp/installprefixexp correction if necessary.

```

```

cat <<EOS >setprefixvar
$startsh
EOS
cat <<'EOSC' >>setprefixvar
eval "${prefixvar}=\\"$ans\""
eval "${prefixvar}exp=\\"$ansexp\""
./installprefix
EOSC
chmod +x setprefixvar
$eunicefix setprefixvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/installdirs/Setprefixvar.U

```

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

```

?RCS: $Id: d_setpwent_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_setpwent_r setpwent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_pwd extern_C
?MAKE: -pick add $@ %<
?S:d_setpwent_r:
?S: This variable conditionally defines the HAS_SETPWENT_R symbol,
?S: which indicates to the C program that the setpwent_r()
?S: routine is available.
?S:.
?S:setpwent_r_proto:
?S: This variable encodes the prototype of setpwent_r.
?S: It is zero if d_setpwent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setpwent_r

```

?S: is defined.

?S:.

?C:HAS\_SETPWENT\_R:

?C: This symbol, if defined, indicates that the setpwent\_r routine

?C: is available to

setpwent re-entrantly.

?C:.

?C:SETPWENT\_R\_PROTO:

?C: This symbol encodes the prototype of setpwent\_r.

?C: It is zero if d\_setpwent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setpwent\_r

?C: is defined.

?C:.

?H:#\$d\_setpwent\_r HAS\_SETPWENT\_R /\*\*/

?H:#define SETPWENT\_R\_PROTO \$setpwent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_setpwent\_r\_proto

: see if setpwent\_r exists

set setpwent\_r d\_setpwent\_r

eval \$inlibc

case "\$d\_setpwent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_pwd pwd.h"

case "\$d\_setpwent\_r\_proto:\$usetthreads" in

":define") d\_setpwent\_r\_proto=define

set d\_setpwent\_r\_proto setpwent\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_setpwent\_r\_proto" in

define)

case "\$setpwent\_r\_proto" in

"|0) try='int setpwent\_r(FILE\*\*);'

./protochk "\$extern\_C \$try" \$hdrs && setpwent\_r\_proto=I\_H ;;

esac

case "\$setpwent\_r\_proto" in

"|0) try='void setpwent\_r(FILE\*\*);'

./protochk "\$extern\_C \$try" \$hdrs && setpwent\_r\_proto=V\_H ;;

esac

case "\$setpwent\_r\_proto"

in

"|0) d\_setpwent\_r=undef

setpwent\_r\_proto=0

echo "Disabling setpwent\_r, cannot determine prototype." >&4 ;;

\*) case "\$setpwent\_r\_proto" in

REENTRANT\_PROTO\*) ;;

\*) setpwent\_r\_proto="REENTRANT\_PROTO\_\$setpwent\_r\_proto" ;;

esac



```

echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "setpwent_r has no prototype, not using it." >&4 ;;
esac
d_setpwent_r=undef
setpwent_r_proto=0
;;
esac
;;
*) setpwent_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setpwent_r.U
```

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?RCS:

?MAKE:d\_fseeko: Inlibc longsize

?MAKE: -pick add \$@ %<

?S:d\_fseeko:

?S: This variable conditionally defines the HAS\_FSEEKO symbol, which

?S: indicates to the C program that the fseeko() routine is available.

?S:.

?C:HAS\_FSEEKO:

?C: This symbol, if defined, indicates that the fseeko routine is

?C: available to fseek beyond 32 bits (useful for ILP32 hosts).

?C:.

?H:#\$d\_fseeko HAS\_FSEEKO /\*\*/

?H:.

?LINT:set d\_fseeko

: see if fseeko exists

set fseeko d\_fseeko

eval \$inlibc

case "\$longsize" in

8) echo "(Your long is 64 bits, so you could use fseek.)" ;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fseeko.U

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

?RCS: \$Id: d\_strtok.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strtok.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:38 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: The strtok routine now appears to be a standard one, but it was

?X: missing in early BSD systems.

?X:

?MAKE:d\_strtok: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtok:

?S: This variable conditionally defines HAS\_STRTOK if strtok() is

?S: available to scan strings for tokens.

?S:.

?C:HAS\_STRTOK (STRTOK):

?C: This symbol, if defined, indicates

that the strtok routine is

?C: available to scan strings for tokens.

?C:.

?H:#\$d\_strtok HAS\_STRTOK /\*\*/

?H:.

?LINT:set d\_strtok

: see if strtok exists

set strtok d\_strtok

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strtok.U

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

?RCS: \$Id: d\_voidsig.U,v 3.0.1.3 1995/05/12 12:12:46 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_voidsig.U,v \$  
?RCS: Revision 3.0.1.3 1995/05/12 12:12:46 ram  
?RCS: patch54: made cppflags dependency optional  
?RCS:  
?RCS: Revision 3.0.1.2 1994/08/29 16:20:35 ram  
?RCS: patch32: now sets signal\_t only once d\_voidsig is known (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/06/20 06:59:54 ram  
?RCS: patch30: now properly sets signal\_t when re-using previous value  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:07:56 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_voidsig  
signal\_t: rm contains cppstdin cppminus +cppflags test Myread \  
Oldconfig Setvar Findhdr  
?MAKE: -pick add \$@ %<  
?S:d\_voidsig:  
?S: This variable conditionally defines VOIDSIG if this system  
?S: declares "void (\*signal(...))()" in signal.h. The old way was to  
?S: declare it as "int (\*signal(...))()".  
?S:.  
?S:signal\_t:  
?S: This variable holds the type of the signal handler (void or int).  
?S:.  
?C:VOIDSIG:  
?C: This symbol is defined if this system declares "void (\*signal(...))()" in  
?C: signal.h. The old way was to declare it as "int (\*signal(...))()". It  
?C: is up to the package author to declare things correctly based on the  
?C: symbol.  
?C:.  
?C:Signal\_t (SIGNAL\_T):  
?C: This symbol's value is either "void" or "int", corresponding to the  
?C: appropriate return type of a signal handler. Thus, you can declare  
?C: a signal handler using "Signal\_t (\*handler)()", and define the  
?C: handler using "Signal\_t handler(sig)".  
?C:.  
?H:#\$d\_voidsig VOIDSIG /\*\*/  
?H:#define  
Signal\_t \$signal\_t /\* Signal handler's return type \*/  
?H:.

```

?T:xxx
?LINT:set d_voidsig
: see if signal is declared as pointer to function returning int or void
echo " "
xxx=`./findhdr signal.h`
$test "$xxx" && $cppstdin $cppminus $cppflags < $xxx >$$.tmp 2>/dev/null
if $contains 'int.*\*[ ]*signal' $$$.tmp >/dev/null 2>&1 ; then
    echo "You have int (*signal())() instead of void." >&4
    val="$undef"
elif $contains 'void.*\*[ ]*signal' $$$.tmp >/dev/null 2>&1 ; then
    echo "You have void (*signal())()." >&4
    val="$define"
elif $contains 'extern[ ]*[(\*)*signal' $$$.tmp >/dev/null 2>&1 ; then
    echo "You have int (*signal())() instead of void." >&4
    val="$undef"
?X: This next test is kind of sloppy, but it catches Linux
?X: which has a
?X: typedef void (*__sig_handler_t) (int) ;
?X: A better fix would be to compile a C program with the proper
?X: prototype, but since nearly everyone uses void, we'll just go with
?X: this.
elif $contains 'void.*\*.*sig' $$$.tmp >/dev/null 2>&1 ; then
    echo "You
    have void (*signal())()." >&4
    val="$define"
else
    case "$d_voidsig" in
    ")
    echo "I can't determine whether signal handler returns void or int..." >&4
    dflt=void
    rp="What type does your signal handler return?"
    . ./myread
    case "$ans" in
    v*) val="$define";;
    *) val="$undef";;
    esac;;
    "$define")
    echo "As you already told me, signal handler returns void." >&4
    val="$define"
    ;;
    *) echo "As you already told me, signal handler returns int." >&4
    val="$undef"
    ;;
    esac
fi
set d_voidsig
eval $setvar
case "$d_voidsig" in

```

```
"$define") signal_t="void";;
*) signal_t="int";;
esac
$rm -f $$tmp
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_voidsig.U
```

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?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_drand48proto: Hasproto i\_stdlib i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_drand48proto:

?S: This variable conditionally defines the HAS\_DRAND48\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the drand48() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_DRAND48\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the drand48() function. Otherwise, it is up

?C: to the program to supply one. A good guess

is

?C: extern double drand48(void);

?C:.

?H:#\$d\_drand48proto HAS\_DRAND48\_PROTO /\*\*/

?H:.

?LINT:set d\_drand48proto

: see if prototype for drand48 is available

echo " "

set d\_drand48proto drand48 \$i\_stdlib stdlib.h \$i\_unistd unistd.h

eval \$hasproto

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d_drand48proto.U
```

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

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_sqrtl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sqrtl:  
?S: This variable conditionally defines the HAS\_SQRTL symbol, which  
?S: indicates to the C program that the sqrt() routine is available.  
?S:.  
?C:HAS\_SQRTL:  
?C: This symbol, if defined, indicates that the sqrt routine is  
?C: available to do long double square roots.  
?C:.  
?H:#\$d\_sqrtl HAS\_SQRTL /\*\*/  
?H:.  
?LINT:set d\_sqrtl  
: see if sqrt exists  
set sqrt d\_sqrtl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sqrtl.U

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?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_acosh: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_acosh:  
?S: This variable conditionally defines the HAS\_ACOSH symbol, which  
?S: indicates to the C program that the acosh() routine is available.  
?S:.  
?C:HAS\_ACOSH:  
?C: This symbol, if defined, indicates that the acosh routine is  
?C: available to do the inverse hyperbolic cosine function.  
?C:.  
?H:#\$d\_acosh HAS\_ACOSH /\*\*/  
?H:.  
?LINT:set d\_acosh  
: see if acosh exists  
set acosh d\_acosh  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_acosh.U

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

?RCS: \$Id: d\_strstr.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strstr.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:37 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_strstr: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strstr:

?S: This variable conditionally defines HAS\_STRSTR if strstr() is

?S: available to find substrings.

?S:.

?C:HAS\_STRSTR (STRSTR):

?C: This symbol, if defined, indicates that the strstr routine is

?C: available to find substrings.

?C:.

?H:#\$d\_strstr HAS\_STRSTR /\*\*/

?H:.

?LINT:set d\_strstr

:

see if strstr exists

set strstr d\_strstr

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strstr.U

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

?RCS: \$Id: d\_msync.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_msync.U,v \$  
?RCS: Revision 3.0.1.1 1993/12/15 08:19:17 ram  
?RCS: patch15: created  
?RCS:  
?MAKE:d\_msync: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_msync:  
?S: This variable conditionally defines HAS\_MSYNCR if msync() is  
?S: available to synchronize a mapped file.  
?S:.  
?C:HAS\_MSYNCR:  
?C: This symbol, if defined, indicates that the msync system call is  
?C: available to synchronize a mapped file.  
?C:.  
?H:#\$d\_msync HAS\_MSYNCR /\*\*/  
?H:.  
?LINT:set d\_msync  
: see if  
msync exists  
set msync d\_msync  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msync.U

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

?RCS: \$Id: i\_dld.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: i\_dld.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:20:07 ram  
?RCS: patch36: created by ADO  
?RCS:



?MAKE:i\_dld: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_dld:  
?S: This variable conditionally defines the I\_DLD symbol, which  
?S: indicates to the C program that <dld.h> (GNU dynamic loading)  
?S: exists and should be included.  
?S:.  
?C:I\_DLD:  
?C: This symbol, if defined, indicates that <dld.h>  
exists and should  
?C: be included before using GNU dynamic loading features.  
?C:.  
?H:#\$i\_dld I\_DLD /\*\*/  
?H:.  
?LINT:set i\_dld  
: see if dld is available  
set dld.h i\_dld  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_dld.U

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

?RCS: \$Id: d\_fmod.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_fmod.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:12:46 ram  
?RCS: patch36: created by ADO  
?RCS:  
?MAKE:d\_fmod: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fmod:  
?S: This variable conditionally defines the HAS\_FMOD symbol, which  
?S: indicates to the C program that the fmod() routine is available.  
?S: See also d\_drem for the drem() routine which does roughly the same.  
?S:.  
?C:HAS\_FMOD

:

?C: This symbol, if defined, indicates that the fmod routine is

?C: available to compute the remainder  $r=x-n*y$  where  $n=\text{trunc}(x/y)$ .

?C:.

?H:#\$d\_fmod HAS\_FMOD /\*\*/

?H:.

?LINT:set d\_fmod

: see if fmod exists

set fmod d\_fmod

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fmod.U

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

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Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/files/Jmake.tmpl

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

?RCS: \$Id: d\_alarm.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_alarm.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:06:58 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_alarm: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_alarm:

?S: This variable conditionally defines the HAS\_ALARM symbol, which

?S: indicates to the C program that the alarm() routine is available.

?S:.

?C:HAS\_ALARM :

?C: This symbol, if defined, indicates that the alarm routine is

?C: available.

?C:.  
?H:#\$d\_alarm  
HAS\_ALARM /\*\*/  
?H:.  
?LINT:set d\_alarm  
: see if alarm exists  
set alarm d\_alarm  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_alarm.U

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

?RCS: \$Id: d\_gethostprotos.U,v \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_gethostprotos : Hasproto i\_netdb

?MAKE: -pick add \$@ %<

?S:d\_gethostprotos:

?S: This variable conditionally defines the HAS\_GETHOST\_PROTOS symbol,

?S: which indicates to the C program that <netdb.h> supplies

?S: prototypes for the various gethost\*() functions.

?S: See also netdbtype.U for probing for various netdb types.

?S:.

?C:HAS\_GETHOST\_PROTOS:

?C: This symbol, if defined, indicates that <netdb.h> includes

?C: prototypes for gethostent(), gethostbyname(), and

?C: gethostbyaddr(). Otherwise,

it is up to the program to guess

?C: them. See netdbtype.U for probing for various Netdb\_xxx\_t types.

?C:.

?H:#\$d\_gethostprotos HAS\_GETHOST\_PROTOS /\*\*/  
?H:.

?LINT:set d\_gethostprotos

?X: This test actually only checks for gethostent() and assumes the

?X: others follow suit. This test fails for ChorusOS, which has

?X: gethostbyname and gethostbyaddr, but not gethostent.

: see if prototypes for various gethostxxx netdb.h functions are available

echo " "

set d\_gethostprotos gethostent \$i\_netdb netdb.h

eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/d\_gethostprotos.U

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

?RCS: \$Id: d\_tcstpgrp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_tcstpgrp.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:12:11 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_tcsetpgrp: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_tcsetpgrp:

?S: This variable conditionally defines the HAS\_TCSETPGRP symbol, which

?S: indicates to the C program that the tcsetpgrp() routine is available

?S: to set foreground process group ID.

?S:.

?C:HAS\_TCSETPGRP

:

?C: This symbol, if defined, indicates that the tcsetpgrp routine is

?C: available to set foreground process group ID.

?C:.

?H:#\$d\_tcsetpgrp HAS\_TCSETPGRP /\*\*/

?H:.

?LINT:set d\_tcsetpgrp

: see if tcsetpgrp exists

set tcsetpgrp d\_tcsetpgrp

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_tcstpgrp.U

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

?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 2000, Jarkko Hietaniemi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:Devel usedevel: Myread rsrc package  
?MAKE: -pick wipe \$@ %<  
?T:xversion  
?X: waiver of rights  
?S:usedevel:  
?S: This variable indicates that Perl was configured with development  
?S: features enabled. This should not be done for production builds.  
?S:.  
?C:PERL\_USE\_DEVEL:  
?C: This symbol, if defined, indicates that Perl was configured with  
?C: -Dusedevel, to enable development features. This should not be  
?C: done for production builds.  
?C:.  
?H:#\$usedevel PERL\_USE\_DEVEL /\*\*/  
?H:.  
?LINT:extern versiononly  
?LINT:extern  
installusrbinperl  
?LINT:change versiononly  
?LINT:change installusrbinperl  
: See if we are using a devel version and want that  
xversion=`awk '/define[ ]+PERL\_VERSION/ {print \$3}' \$src/patchlevel.h`  
case "\$usedevel" in  
\$define|true|[yY]\*)  
usedevel="\$define" ;;  
\*) case "\$xversion" in  
\*[13579])  
cat >&4 <<EOH  
\*\*\* WHOA THERE!!! \*\*\*

This is an UNSTABLE DEVELOPMENT release.  
The version of this \$package distribution is \$xversion, that is, odd,  
(as opposed to even) and that signifies a development release.  
If you want a maintenance release, you want an even-numbered version.

Do \*\*\*NOT\*\*\* install this into production use.  
Data corruption and crashes are possible.

It is most seriously suggested that you do not continue any further

unless you want to help in developing and debugging Perl.

If you *\*still\** want to build perl, you can answer 'y' now,  
or pass -Dusedevel to Configure.

EOH

```
rp='Do you really want to continue?'
dflt='n'
. ./myread
case
"$ans" in
[yY]) echo >&4 "Okay, continuing."
    usedevel="$define" ;;
*) echo >&4 "Okay, bye."
    exit 1
    ;;
esac
;;
esac
usedevel="$undef"
;;
esac
case "$usedevel" in
$define|true|[yY]*)
case "$versiononly" in
") versiononly="$define" ;;
esac
case "$installusrbinperl" in
") installusrbinperl="$undef" ;;
esac
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Devel.U
```

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

?RCS: \$Id: d\_rdchk.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_rdchk.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:51 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_rdchk: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_rdchk:  
?S: This variable conditionally defines the HAS\_RDCHK symbol, which  
?S: indicates to the C program that the rdchk() routine is available  
?S: to find out if there is input pending on an IO channel.  
?S:.  
?C:HAS\_RDCHK (RDCHK):  
?C: This symbol, if defined, indicates that the rdchk routine  
is available  
?C: to find out if there is input pending on an IO channel. Generally  
?C: the routine is used only if FIONREAD and O\_NDELAY aren't available.  
?C:.  
?H:#\$d\_rdchk HAS\_RDCHK /\*\*/  
?H:.  
?LINT:set d\_rdchk  
: see if rdchk exists  
set rdchk d\_rdchk  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_rdchk.U

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

?RCS: Copyright (c) 2017-2018, H.Merijn Brand  
?RCS:  
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?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?MAKE:d\_dup3: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_dup3:  
?S: This variable conditionally defines HAS\_DUP3 if dup3() is  
?S: available to duplicate file descriptors.  
?S:.  
?C:HAS\_DUP3:  
?C: This symbol, if defined, indicates that the dup3 routine is  
?C: available to duplicate file descriptors.  
?C:.  
?H:#\$d\_dup3 HAS\_DUP3 /\*\*/

```
?H:
?LINT:set d_dup3
: see if dup3 exists
set dup3 d_dup3
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_dup3.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:d_sbrkproto: Hasproto i_unistd
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_sbrkproto:
```

```
?S: This variable conditionally defines the HAS_SBRK_PROTO symbol,
```

```
?S: which indicates to the C program that the system provides
```

```
?S: a prototype for the sbrk() function. Otherwise, it is
```

```
?S: up to the program to supply one.
```

```
?S:.
```

```
?C:HAS_SBRK_PROTO:
```

```
?C: This symbol, if defined, indicates that the system provides
```

```
?C: a prototype for the sbrk() function. Otherwise, it is up
```

```
?C: to the program to supply one. Good guesses are
```

```
?C: extern void* sbrk(int);
```

```
?C: extern
```

```
void* sbrk(size_t);
```

```
?C:.
```

```
?H:#$d_sbrkproto HAS_SBRK_PROTO /**/
```

```
?H:.
```

```
?LINT:set d_sbrkproto
```

```
: see if prototype for sbrk is available
```

```
echo " "
```

```
set d_sbrkproto sbrk $i_unistd unistd.h
```

```
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_sbrkproto.U
```



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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_round: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_round:

?S: This variable conditionally defines the HAS\_ROUND symbol, which

?S: indicates to the C program that the round() routine is available.

?S:.

?C:HAS\_ROUND:

?C: This symbol, if defined, indicates that the round routine is

?C: available to round to nearest integer, away from zero.

?C:.

?H:#\$d\_round HAS\_ROUND /\*\*/

?H:.

?LINT:set d\_round

: see if round exists

set round d\_round

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_round.U

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?RCS:

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?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_timegm: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_timegm:

?S: This variable conditionally defines the HAS\_TIMEGM symbol, which

?S: indicates to the C program that the timegm () routine is available.

?S:.

?C:HAS\_TIMEGM:

?C: This symbol, if defined, indicates that the timegm routine is

?C: available to do the opposite of gmtime ()

?C:.

?H:#\$d\_timegm HAS\_TIMEGM /\*\*/

?H:.

?LINT:set d\_timegm

: see if timegm exists

```
set timegm d_timegm
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_timegm.U
```

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

?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Head.U,v \$

?RCS: Revision 3.0.1.9 1997/02/28 15:02:09 ram

?RCS: patch61: make sure we unset CDPATH for shells that support this

?RCS: patch61: improved Korn shell detection and handling

?RCS:

?RCS: Revision 3.0.1.8 1995/07/25 13:40:02 ram

?RCS: patch56: added SVR4-ish /opt directories to path list (ADO)

?RCS: patch56: OS/2 platforms are using another path separator

?RCS:

?RCS: Revision 3.0.1.7 1995/03/21 08:46:15 ram

?RCS: patch52: definition of paths wrongly added spurious '.' chars

?RCS:

?RCS:

Revision 3.0.1.6 1994/10/29 15:54:19 ram

?RCS: patch36: make sure ENV is unset before calling /bin/ksh

?RCS:

?RCS: Revision 3.0.1.5 1994/08/29 16:03:44 ram

?RCS: patch32: now sets PATH only using existing directories

?RCS:

?RCS: Revision 3.0.1.4 1994/06/20 06:54:28 ram

?RCS: patch30: now computes its invocation name into 'me'

?RCS: patch30: symbol me is made visible to all units read-only

?RCS:

?RCS: Revision 3.0.1.3 1993/12/15 08:15:07 ram

?RCS: patch15: added /sbin:/usr/sbin:/usr/libexec in PATH for BSD/386

?RCS:

?RCS: Revision 3.0.1.2 1993/11/10 17:32:35 ram

?RCS: patch14: ensure PATH is reset to '.' before testing for alias

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:38:07 ram

?RCS: patch7: not all 'test' programs support the -x option  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:58 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This is the very first unit in the Configure script. It is mostly just  
?X: things to keep people from getting  
into a tizzy right off the bat.  
?X:  
?MAKE:Head:  
?MAKE: -pick wipe \$@ %<  
?V:PATH p\_\_exe me newsh  
?T:argv Id p paths OS2\_SHELL DJGPP  
?T:inksh needksh avoidksh newsh changesh reason  
?F:!\*  
?LINT:extern ENV CDPATH SHELL MACHTYPE  
?LINT:change ENV CDPATH  
?LINT:nocomment  
#!/bin/sh  
#  
# If these # comments don't work, trim them. Don't worry about any other  
# shell scripts, Configure will trim # comments from them for you.  
#  
# (If you are trying to port this package to a machine without sh,  
# I would suggest you have a look at the prototypical config\_h.SH file  
# and edit it to reflect your system. Some packages may include samples  
# of config.h for certain machines, so you might look for one of those.)  
#  
?X:  
?X: NOTE THAT A CONFIGURE SCRIPT IS IN THE PUBLIC DOMAIN (whether or not  
?X: the software which uses it is in the public domain).  
?X:  
# Yes, you may rip this off to use in other distribution packages. This  
# script belongs to the public domain and cannot be copyrighted.  
#  
?X:  
?X: WE ASK YOU  
NOT TO REMOVE OR ALTER THE FOLLOWING PARAGRAPH, PLEASE:  
?X:  
# Note: this Configure script was generated automatically. Rather than  
# working with this copy of Configure, you may wish to get metaconfig.  
# The dist package (which contains metaconfig) is available via SVN:  
# svn co <https://svn.code.sf.net/p/dist/code/trunk/dist>  
?X:  
?X: NOTA BENE:  
?X: If you develop you own version of metaconfig based on this work,  
?X: you have to add some comments telling that the script was generated

?X: by your version, not mine: It credits your work.

?X:

```
# $Id: Head.U 6 2006-08-25 22:21:46Z rmanfredi $
```

```
#
```

```
# Generated on <DATE> [metaconfig <VERSION> PL<PATCHLEVEL>]
```

```
cat >c1$$ <<EOF
```

```
ARGGGHHHH!!!!
```

SCO csh still thinks true is false. Write to SCO today and tell them that next year Configure ought to "rm /bin/csh" unless they fix their blasted shell. :-)

(Actually, Configure ought to just patch csh in place. Hmm. Hmmmmm. All we'd have to do is go in and swap the && and || tokens, wherever they are.)

```
[End
```

```
of diatribe. We now return you to your regularly scheduled programming...]
```

```
EOF
```

```
cat >c2$$ <<EOF
```

OOPS! You naughty creature! You didn't run Configure with sh!

I will attempt to remedy the situation by running sh for you...

```
EOF
```

```
true || cat c1$$ c2$$
```

```
true || exec sh $0 $argv:q
```

```
(exit $?0) || cat c2$$
```

```
(exit $?0) || exec sh $0 $argv:q
```

```
rm -f c1$$ c2$$
```

```
: compute my invocation name
```

```
me=$0
```

```
case "$0" in
```

```
*/*)
```

```
me=`echo $0 | sed -e 's!.*\!(.*)!\1!' 2>/dev/null`
```

```
test "$me" || me=$0
```

```
::
```

```
esac
```

?X:

?X: To be able to run under OS/2, we must detect that early enough to use

?X: the proper path separator, stored in \$p\_. It is : on UNIX and ; on

?X: DOSish systems such as OS/2.

?X:

: Proper separator for the PATH environment variable

p\_=:

: On OS/2 this directory should exist if this is not floppy only system ":-]"

```
if test -d c:/ ; then
```

```
if test -n "$OS2_SHELL"; then
```

```
  p_=\;
```

```
  PATH=`cmd /c "echo %PATH%" | tr '\\\` /`
```

?X: That's a bug in ksh5.22

```
  OS2_SHELL=`cmd /c "echo %OS2_SHELL%" | tr
```

```
  '\\\` / | tr '[A-Z]' [a-z]"`
```

```
elif test -n "$DJGPP"; then
```

```
  case "X${MACHTYPE:-nonosuchmach}" in
```

```
    *cygwin) ;;
```

```
    *) p_=\; ;;
```

```
  esac
```

```
fi
```

```
fi
```

?X:

?X: There are two schools of thoughts here. Some people correctly argue that

?X: the user has a better chance than we do of setting a reasonable PATH and

?X: others argue that Configure is the best place there is to set up a suitable

?X: PATH. Well, here we try to compromise by keeping the user's PATH and

?X: appending some directories which are known to work on some machine or the

?X: other. The rationale behind this being that a novice user might not have a

?X: proper environment variable set, and some directories like /etc (where

?X: chown is located on some BSD systems) may be missing--RAM.

?X:

?X: SVR4 adds an /opt directory for optional packages. Some sites use

?X: various permutations on /opt as opposed to /usr or /usr/local.-- ADO

?X:

?X: We only add directories that are not already in the PATH of the

?X: user and the directories must

exist also.

?X:

: Proper PATH setting

```
paths="/bin /usr/bin /usr/local/bin /usr/ucb /usr/local /usr/lbin"
```

```
paths="$paths /opt/bin /opt/local/bin /opt/local /opt/lbin"
```

```
paths="$paths /usr/5bin /etc /usr/gnu/bin /usr/new /usr/new/bin /usr/nbin"
```

```
paths="$paths /opt/gnu/bin /opt/new /opt/new/bin /opt/nbin"
```

```
paths="$paths /sys5.3/bin /sys5.3/usr/bin /bsd4.3/bin /bsd4.3/usr/ucb"
```

```
paths="$paths /bsd4.3/usr/bin /usr/bsd /bsd43/bin /usr/ccs/bin"
```

```
paths="$paths /etc /usr/lib /usr/ucblib /lib /usr/ccs/lib"
```

```
paths="$paths /sbin /usr/sbin /usr/libexec"
```

```
paths="$paths /system/gnu_library/bin"
```

```
for p in $paths
```

```
do
```

```
  case "$p_$PATH$p_" in
```

```
    *$p_$p$p_*) ;;
```

```
*) test -d $p && PATH=$PATH$p_$p ;;
esac
done
```

```
PATH=.$p_$PATH
export PATH
```

: shall we be using ksh?

```
inksh=""
```

```
needksh=""
```

```
avoidksh=""
```

```
newsh=/bin/ksh
```

```
changesh=""
```

?X: Use (alias -x) and not (alias) since zsh and bash recognize the alias

?X: builtin but not the -x option which is typically ksh...

?X: We need to set up PATH before calling the "alias" built-in since  
some

?X: systems like HP-UX have a binary called /bin/alias.

```
if (PATH=.; alias -x) >/dev/null 2>&1; then
```

```
    inksh=true
```

```
fi
```

?X: On HP-UX, large Configure scripts may exercise a bug in /bin/sh, use ksh

```
if test -f /hp-ux -a -f /bin/ksh; then
```

```
    needksh='to avoid sh bug in "here document" expansion'
```

```
fi
```

?X: On AIX4, /bin/sh is really ksh and it causes problems, use sh

```
if test -d /usr/lpp -a -f /usr/bin/bsh -a -f /usr/bin/uname; then
```

```
    if test X`/usr/bin/uname -v` = X4; then
```

```
        avoidksh="to avoid AIX 4's /bin/sh"
```

```
        newsh=/usr/bin/bsh
```

```
    fi
```

```
fi
```

?X: On Digital UNIX, /bin/sh may start up buggy /bin/ksh, use sh

```
if test -f /osf_boot -a -f /usr/sbin/setld; then
```

```
    if test X`/usr/bin/uname -s` = XOSF1; then
```

```
        avoidksh="to avoid Digital UNIX' ksh"
```

```
        newsh=/bin/sh
```

?X: if BIN\_SH is set to 'xpg4', sh will start up ksh

```
    unset BIN_SH
```

```
fi
```

```
fi
```

?X: If we are not in ksh and need it, then feed us back to it

case "\$inksh/\$needksh" in

```
/[a-z]*)
```

?X: Clear ENV to avoid any ~/.kshrc that could alias cd or whatever...

?X: Don't

use "unset ENV", that is not portable enough

```
ENV=""
```

```

changesh=true
reason="$needksh"
;;
esac
?X: If we are in ksh and must avoid it, then feed us back to a new shell
case "$inksh/$avoidksh" in
true/[a-z]*)
changesh=true
reason="$avoidksh"
;;
esac
?X: Warn them if they use ksh on other systems, which are those where
?X: we don't need ksh nor want to avoid it explicitly, yet are using it.
case "$inksh/$needksh-$avoidksh-" in
true/--)
cat <<EOM
(I see you are using the Korn shell. Some ksh's blow up on $me,
mainly on older exotic systems. If yours does, try the Bourne shell instead.)
EOM
;;
esac
case "$changesh" in
true)
export newsh
echo "(Feeding myself to $newsh $reason.)"
?X: Make sure they didn't say sh <Configure by checking whether $0 ends
?X: with Configure or not. If they did say sh <././Configure, then too
?X: bad for them anyway, since we lost that path indication...
?X: Otherwise, execing $0 ensures we keep the full remote source dir
?X: indication for src.U.
case
"$0" in
Configure|*/Configure) exec $newsh $0 "$@";;
*) exec $newsh Configure "$@";;
esac
;;
esac

?X: Unset CDPATH to avoid surprises when using cd under some shells
?X: Can't unset it because that's not portable to very old shells.
?X: Can't set it to " because then bash 2.02 won't do "cd UU" --AD 6/98.
?X: Don't want to set it to '.' because then ksh prints out the
?X: name of the directory every time you cd to it. --AD 6/98
?X: In order to inflict the least harm, change it only if it's set.
: if needed, set CDPATH to a harmless value that is not chatty
case "$CDPATH" in
") ;;
*) case "$SHELL" in

```

```
*bash*) CDPATH='! ' ;;
*) CDPATH="" ;;
esac
;;
esac
```

: Configure runs within the UU subdirectory

```
test -d UU || mkdir UU
```

```
?X: Use ./* to avoid any confirmation prompts from enhanced shells -- WED
```

```
cd UU && rm -f ./*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Head.U
```

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

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2003, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:d_pthread_attr_setscope: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_pthread_attr_setscope:
```

```
?S: This variable conditionally defines HAS_PTHREAD_ATTR_SETSCOPE if
```

```
?S: pthread_attr_setscope() is available to set the contention scope
```

```
?S: attribute of a thread attribute object.
```

```
?S:.
```

```
?C:HAS_PTHREAD_ATTR_SETSCOPE:
```

```
?C: This symbol, if defined, indicates that the pthread_attr_setscope
```

```
?C: system call is available to set the contention scope attribute of
```

```
?C: a thread attribute object.
```

```
?C:.
```

```
?H:#$d_pthread_attr_setscope HAS_PTHREAD_ATTR_SETSCOPE /**/
```

```
?H:.
```

```
?LINT:set
```

```
  d_pthread_attr_setscope
```

```
: see if pthread_attr_setscope exists
```

```
set pthread_attr_setscope d_pthread_attr_setscope
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```



5.30.0/U/perl/d\_thread\_attr\_ss.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fmin: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fmin:

?S: This variable conditionally defines the HAS\_FMIN symbol, which

?S: indicates to the C program that the fmin() routine is available.

?S:.

?C:HAS\_FMIN:

?C: This symbol, if defined, indicates that the fmin routine is

?C: available to do the minimum function.

?C:.

?H:#\$d\_fmin HAS\_FMIN /\*\*/

?H:.

?LINT:set d\_fmin

: see if fmin exists

set fmin d\_fmin

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_fmin.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_lround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_lround:

?S: This variable conditionally defines the HAS\_LROUND symbol, which

?S: indicates to the C program that the lround() routine is available

?S: to return the integral value nearest to x.

?S:.

?C:HAS\_LROUND:

?C: This symbol, if defined, indicates that the lround routine is

?C: available to return the nearest integral value.

?C:.

?H:#\$d\_lround HAS\_LROUND /\*\*/

?H:.

?LINT:set d\_lround

: see if lround exists

set lround d\_lround

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_lround.U

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

?RCS: \$Id: d\_readdir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_readdir.U,v \$

?RCS: Revision 3.0.1.1 1994/05/06 14:46:37 ram

?RCS: patch23: added support for seekdir, telldir and rewinddir (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:52 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X: Force checking for <dirent.h> inclusion

?X:INC: i\_dirent

?MAKE:d\_readdir d\_seekdir d\_telldir d\_rewinddir: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_readdir:

?S: This variable conditionally defines HAS\_READDIR if readdir()  
is

?S: available to read directory entries.

?S:.

?C:HAS\_READDIR (READDIR):

?C: This symbol, if defined, indicates that the readdir routine is

?C: available to read directory entries. You may have to include

?C: <dirent.h>. See I\_DIRENT.

?C:.

?H:#\$d\_readdir HAS\_READDIR /\*\*/

?H:.

?S:d\_seekdir:

?S: This variable conditionally defines HAS\_SEEKDIR if seekdir() is

?S: available.

?S:.

?C:HAS\_SEEKDIR:

?C: This symbol, if defined, indicates that the seekdir routine is

?C: available. You may have to include <dirent.h>. See I\_DIRENT.

?C:.

?H:#\$d\_seekdir HAS\_SEEKDIR /\*\*/

?H:

?S:d\_telldir:

?S: This variable conditionally defines HAS\_TELLDIR if telldir() is

?S: available.

?S:.

?C:HAS\_TELLDIR:

?C: This symbol, if defined, indicates that the telldir routine is

?C: available. You may have to include <dirent.h>. See I\_DIRENT.

?C:.

?H:#\$d\_telldir HAS\_TELLDIR /\*\*/

?H:

?S:d\_rewinddir:

?S: This variable conditionally defines HAS\_REWINDDIR if rewinddir() is

?S: available.

?S:.

?C:HAS\_REWINDDIR:

?C: This

symbol, if defined, indicates that the rewinddir routine is

?C: available. You may have to include <dirent.h>. See I\_DIRENT.

?C:.

?H:#\$d\_rewinddir HAS\_REWINDDIR /\*\*/

?H:

?LINT:set d\_readdir d\_seekdir d\_telldir d\_rewinddir

: see if readdir and friends exist

set readdir d\_readdir

eval \$inlibc

@if d\_seekdir || HAS\_SEEKDIR

set seekdir d\_seekdir

eval \$inlibc

@end

@if d\_telldir || HAS\_TELLDIR

set telldir d\_telldir

eval \$inlibc

@end

@if d\_rewinddir || HAS\_REWINDDIR

set rewinddir d\_rewinddir

eval \$inlibc

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_readdir.U

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?RCS: \$Id: intsize.U,v 3.0.1.2 1997/02/28 15:55:26 ram Exp \$

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: intsize.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:55:26 ram  
?RCS: patch61: avoid prompting the user if the test runs ok  
?RCS: patch61: moved code from longsize.U into there  
?RCS: patch61: new tests for shortsize as well  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:21:06 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:52 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:intsize longsize  
shortsize: Compile Myread cat run i\_stdlib rm\_try  
?MAKE: -pick add \$@ %<  
?S:intsize:  
?S: This variable contains the value of the INTSIZE symbol, which  
?S: indicates to the C program how many bytes there are in an int.  
?S:.  
?S:longsize:  
?S: This variable contains the value of the LONGSIZE symbol, which  
?S: indicates to the C program how many bytes there are in a long.  
?S:.  
?S:shortsize:  
?S: This variable contains the value of the SHORTSIZE symbol which  
?S: indicates to the C program how many bytes there are in a short.  
?S:.  
?C:INTSIZE:  
?C: This symbol contains the value of sizeof(int) so that the C  
?C: preprocessor can make decisions based on it.  
?C:.  
?C:LONGSIZE:  
?C: This symbol contains the value of sizeof(long) so that the C  
?C: preprocessor can make decisions based on it.  
?C:.  
?C:SHORTSIZE:  
?C: This symbol contains the value of sizeof(short) so that the C  
?C: preprocessor can make decisions based on it.  
?C:.  
?H:#define INTSIZE \$intsize /\*\*/  
?H:#define LONGSIZE \$longsize /\*\*/  
?H:#define

```

SHORTSIZE $shortsize /**/
?H:.
?F:!try
: check for lengths of integral types
echo " "
case "$intsize" in
")
echo "Checking to see how big your integers are..." >&4
$cat >try.c <<EOCP
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
int main()
{
@if INTSIZE || intsize
printf("intsize=%d;\n", (int)sizeof(int));
@end
@if LONGSIZE || longsize
printf("longsize=%d;\n", (int)sizeof(long));
@end
@if SHORTSIZE || shortsize
printf("shortsize=%d;\n", (int)sizeof(short));
@end
exit(0);
}
EOCP
set try
if eval $compile_ok && $run ./try > /dev/null; then
eval ` $run ./try `
@if INTSIZE || intsize
echo "Your integers are $intsize bytes long."
@end
@if LONGSIZE || longsize
echo "Your long integers are $longsize bytes long."
@end
@if SHORTSIZE || shortsize
echo "Your short integers are $shortsize bytes long."
@end
else
$cat >&4 <<EOM
!
Help! I can't compile and run the intsize test program: please enlighten me!
(This is probably a misconfiguration
in your system or libraries, and
you really ought to fix it. Still, I'll try anyway.)
!

```

```

EOM
@if INTSIZE || intsize
  dflt=4
  rp="What is the size of an integer (in bytes)?"
  ./myread
  intsize="$ans"
@end
@if LONGSIZE || longsize
  dflt=$intsize
  rp="What is the size of a long integer (in bytes)?"
  ./myread
  longsize="$ans"
@end
@if SHORTSIZE || shortsize
  dflt=2
  rp="What is the size of a short integer (in bytes)?"
  ./myread
  shortsize="$ans"
@end
fi
;;
esac
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/a_dvisory/intsize.U
```

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

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_getmnt: Inlibc
?MAKE: -pick add $@ %<
?S:d_getmnt:
?S: This variable conditionally defines the HAS_GETMNT symbol, which
?S: indicates to the C program that the getmnt() routine is available
?S: to retrieve one or more mount info blocks by filename.
?S:.
?C:HAS_GETMNT:
?C: This symbol, if defined, indicates that the getmnt routine is
?C: available to get filesystem mount info by filename.
?C:.
?H:#$d_getmnt HAS_GETMNT /**/

```

?H:  
?LINT:set d\_getmnt  
: see if getmnt exists  
set getmnt d\_getmnt  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getmnt.U

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

?RCS: \$Id: vendorlib.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: vendorlib.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:d\_vendorlib vendorlib vendorlibexp installvendorlib vendorlib\_stem: \

Getfile Setprefixvar Oldconfig Prefixit package vendorprefix sed \

installstyle version

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorlib:

?S: This variable contains the eventual value of the VENDORLIB symbol,

?S: which is the name of the private library for this package.

?S: The standard

distribution will put nothing in this directory.

?S: Vendors who distribute perl may wish to place their own

?S: modules in this directory with

?S: MakeMaker Makefile.PL INSTALLDIRS=vendor

?S: or equivalent. See INSTALL for details.

?S:.

?S:vendorlibexp:

?S: This variable is the ~name expanded version of vendorlib, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installvendorlib="

?S:installvendorlib:

?S: This variable is really the same as vendorlibexp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?S:d\_vendorlib:

?S: This variable conditionally defines PERL\_VENDORLIB.

?S:.

?S:vendorlib\_stem:

?S: This variable is \$vendorlibexp with any trailing version-specific component

?S: removed. The elements in inc\_version\_list (inc\_version\_list.U) can

?S: be tacked onto this variable to generate a list of directories to search.

?S:.

?C:PERL\_VENDORLIB:

?C: If defined, this symbol contains

the name of a private library.

?C: The library is private in the sense that it needn't be in anyone's

?C: execution path, but it should be accessible by the world. The program

?C: should be prepared to do ~ expansion.

?C: The standard distribution will put nothing in this directory.

?C: Vendors who distribute perl may wish to place their own

?C: modules in this directory with

?C: MakeMaker Makefile.PL INSTALLDIRS=vendor

?C: or equivalent. See INSTALL for details.

?C:.

?C:PERL\_VENDORLIB\_EXP:

?C: This symbol contains the ~name expanded version of VENDORLIB, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?C:PERL\_VENDORLIB\_STEM:

?C: This define is PERL\_VENDORLIB\_EXP with any trailing version-specific component

?C: removed. The elements in inc\_version\_list (inc\_version\_list.U) can

?C: be tacked onto this variable to generate a list of directories to search.

?C:.

?H:#\$d\_vendorlib PERL\_VENDORLIB "\$vendorlib" /\*\*/  
 ?H:#\$d\_vendorlib PERL\_VENDORLIB\_EXP  
 "\$vendorlibexp" /\*\*/  
 ?H:#\$d\_vendorlib PERL\_VENDORLIB\_STEM "\$vendorlib\_stem" /\*\*/  
 ?H:.

?T:prog

?LINT:change prefixvar

?LINT:set installvendorlib

: Set the vendorlib variables

case "\$vendorprefix" in

\*) d\_vendorlib="\$undef"

vendorlib="

vendorlibexp="

;;

\*) d\_vendorlib="\$define"

: determine where vendor-supplied modules go.

: Usual default is /usr/local/lib/perl5/vendor\_perl/\$version



```

case "$vendorlib" in
")
?X: remove any trailing -3.0 or other version identification
prog=`echo $package | $sed 's/-*[0-9.]*$//^
case "$installstyle" in
*lib/perl5*) dflt=$vendorprefix/lib/$package/vendor_$prog/$version ;;
*) dflt=$vendorprefix/lib/vendor_$prog/$version ;;
esac
;;
*) dflt="$vendorlib"
;;
esac
fn=d~+
rp='Pathname for the vendor-supplied library files?'
./getfile
vendorlib="$ans"
vendorlibexp="$ansexp"
;;
esac
vendorlib_stem=`echo "$vendorlibexp" | sed "s,/,$version$,,"`
prefixvar=vendorlib
./installprefix

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorlib.U
```

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

```
?RCS: $Id: d_ulimit.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_ulimit.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:51 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_ulimit: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_ulimit:
```

```
?S: This variable conditionally defines HAS_ULIMIT if ulimit() is
```

```
?S: available to get the user limits.
```

```
?S:.
```

?C:HAS\_ULIMIT (ULIMIT):

?C: This symbol, if defined, indicates that the ulimit system call is

?C: available to get the user limits.

?C:.

?H:#\$d\_ulimit HAS\_ULIMIT /\*\*/

?H:.

?LINT:set

d\_ulimit

: see if ulimit exists

set ulimit d\_ulimit

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ulimit.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fpclassl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fpclassl:

?S: This variable conditionally defines the HAS\_FPCLASSL symbol, which

?S: indicates to the C program that the fpclassl() routine is available.

?S:.

?C:HAS\_FPCLASSL:

?C: This symbol, if defined, indicates that the fpclassl routine is

?C: available to classify long doubles. Available for example in IRIX.

?C: The returned values are defined in <ieeefp.h> and are:

?C:

?C: FP\_SNAN signaling NaN

?C: FP\_QNAN quiet NaN

?C: FP\_NINF negative infinity

?C: FP\_PINF positive infinity

?C: FP\_NDENORM negative denormalized non-zero

?C: FP\_PDENORM positive denormalized non-zero

?C: FP\_NZERO negative zero

?C: FP\_PZERO positive zero

?C: FP\_NNORM negative

normalized non-zero

?C: FP\_PNORM positive normalized non-zero

?C:.

?H:#\$d\_fpclassl HAS\_FPCLASSL /\*\*/

?H:  
?LINT:set d\_fpclassl  
: see if fpclassl exists  
set fpclassl d\_fpclassl  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fpclassl.U

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fstatfs : Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fstatfs:

?S: This variable conditionally defines the HAS\_FSTATFS symbol, which

?S: indicates to the C program that the fstatfs() routine is available.

?S:.

?C:HAS\_FSTATFS:

?C: This symbol, if defined, indicates that the fstatfs routine is

?C: available to stat filesystems by file descriptors.

?C:.

?H:#\$d\_fstatfs HAS\_FSTATFS /\*\*/

?H:

?LINT:set d\_fstatfs

: see if fstatfs exists

set fstatfs d\_fstatfs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fstatfs.U

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

?RCS: \$Id: d\_shmget.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_shmget.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:20 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_shmget: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_shmget:  
?S: This variable conditionally defines the HAS\_SHMGET symbol, which  
?S: indicates to the C program that the shmget() routine is available.  
?S:.  
?C:HAS\_SHMGET:  
?C: This symbol, if defined, indicates that the shmget() routine is  
?C: available to request a shared memory segment from  
the kernel.  
?C:.  
?H:#\$d\_shmget HAS\_SHMGET /\*\*/  
?H:.  
?LINT:set d\_shmget  
: see if shmget exists  
set shmget d\_shmget  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_shmget.U

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

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_llrint: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llrint:

?S: This variable conditionally defines the HAS\_LLRLINT symbol, which

?S: indicates to the C program that the llrint() routine is available

?S: to return the long long value closest to a double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LLRLINT:

?C: This symbol, if defined, indicates that the llrint routine is

?C: available to return the long long value closest to a double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_llrint HAS\_LLRLINT /\*\*/  
?H:.

?LINT:set d\_llrint

```
: see if llrint exists
set llrint d_llrint
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_llrint.U
```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: bin.U,v \$

?RCS: Revision 3.0.1.4 1995/09/25 09:15:32 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:32:40 ram

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.2 1994/08/29 16:05:28 ram

?RCS: patch32: now uses installation prefix

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 15:56:51 ram

?RCS: patch10: made prompting more explicit (WAD)

?RCS:

?RCS: Revision 3.0 1993/08/18

12:05:26 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:bin binexp installbin: Prefixit Getfile Oldconfig afs cat test

?MAKE: -pick add \$@ %<

?Y:TOP

?S:bin:

?S: This variable holds the name of the directory in which the user wants

?S: to put publicly executable images for the package in question. It

?S: is most often a local directory such as /usr/local/bin. Programs using

?S: this variable must be prepared to deal with ~name substitution.

?S:.

?S:binexp:

?S: This is the same as the bin variable, but is filename expanded at

?S: configuration time, for use in your makefiles.

?S:.

?S:installbin:

?S: This variable is the same as binexp unless AFS is running in which case

?S: the user is explicitly prompted for it. This variable should always

?S: be used in your makefiles for maximum portability.

?S:.

?C:BIN:

?C: This symbol holds the path of the bin directory where the package will

?C: be installed. Program must be prepared to deal with ~name substitution.

?C:.

?C:BIN\_EXP:

?C: This

symbol is the filename expanded version of the BIN symbol, for

?C: programs that do not want to deal with that at run-time.

?C:.

?H:#define BIN "\$bin" /\*\*/

?H:#define BIN\_EXP "\$binexp" /\*\*/

?H:.

?D:bin='/usr/local/bin'

: determine where public executables go

echo " "

set dflt bin bin

eval \$prefixit

fn=d~

rp='Pathname where the public executables will reside?'

./getfile

if \$test "X\$sansexp" != "X\$binexp"; then

installbin="

fi

bin="\$ans"

binexp="\$sansexp"

if \$afs; then

\$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which executables reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

EOM

case "\$installbin" in

) dflt=`echo \$binexp | sed 's#~/afs/#afs/.#`;;

\*) dflt="\$installbin";;

esac

fn=de~

rp='Where will public executables be installed?'

./getfile

installbin="\$ans"

else

```
installbin="$binexp"
```

```
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/bin.U
```

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

```
?RCS: $Id: cppstdin.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
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```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: cppstdin.U,v $
```

```
?RCS: Revision 3.0.1.4 1994/10/29 16:08:34 ram
```

```
?RCS: patch36: added ?F: line for metalint file checking
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.3 1994/01/24 14:05:38 ram
```

```
?RCS: patch16: comment for CPPLAST was missing
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1993/12/15 08:18:58 ram
```

```
?RCS: patch15: new variables cpprun and cpplast, guaranteed wrapper-free
```

```
?RCS: patch15: cppstdin now tries to use cc, even at the cost of a wrapper
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1
```

```
1993/08/25 14:00:53 ram
```

```
?RCS: patch6: remove wrapper when not actually used
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:05:38 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:cppstdin cppminus cpprun cpplast: contains test \
```

```
Myread Oldconfig Loc cpp +cc rm hint osname gccversion
```

```
?MAKE: -pick add $@ %<
```

```
?S:cppstdin:
```

```
?S: This variable contains the command which will invoke the C
```

```
?S: preprocessor on standard input and put the output to stdout.
```

```
?S: It is primarily used by other Configure units that ask about
```

```
?S: preprocessor symbols.
```

```
?S:.
```

```
?S:cppminus:
```

```
?S: This variable contains the second part of the string which will invoke
```

```
?S: the C preprocessor on the standard input and produce to standard
```

?S: output. This variable will have the value "-" if cppstdin needs  
 ?S: a minus to specify standard input, otherwise the value is "".

?S:.

?S:cpprun:  
 ?S: This variable contains the command which will invoke a C preprocessor  
 ?S: on standard input and put the output to stdout. It is guaranteed  
 not  
 ?S: to be a wrapper and may be a null string if no preprocessor can be  
 ?S: made directly available. This preprocessor might be different from the  
 ?S: one used by the C compiler. Don't forget to append cpplast after the  
 ?S: preprocessor options.

?S:.

?S:cpplast:  
 ?S: This variable has the same functionality as cppminus, only it applies  
 ?S: to cpprun and not cppstdin.

?S:.

?C:CPPSTDIN:  
 ?C: This symbol contains the first part of the string which will invoke  
 ?C: the C preprocessor on the standard input and produce to standard  
 ?C: output. Typical value of "cc -E" or "/lib/cpp", but it can also  
 ?C: call a wrapper. See CPPRUN.

?C:.

?C:CPPMINUS:  
 ?C: This symbol contains the second part of the string which will invoke  
 ?C: the C preprocessor on the standard input and produce to standard  
 ?C: output. This symbol will have the value "-" if CPPSTDIN needs a minus  
 ?C: to specify standard input, otherwise the value is "".

?C:.

?C:CPPRUN:  
 ?C: This symbol contains the string which will invoke  
 a C preprocessor on  
 ?C: the standard input and produce to standard output. It needs to end  
 ?C: with CPPLAST, after all other preprocessor flags have been specified.  
 ?C: The main difference with CPPSTDIN is that this program will never be a  
 ?C: pointer to a shell wrapper, i.e. it will be empty if no preprocessor is  
 ?C: available directly to the user. Note that it may well be different from  
 ?C: the preprocessor used to compile the C program.

?C:.

?C:CPPLAST:  
 ?C: This symbol is intended to be used along with CPPRUN in the same manner  
 ?C: symbol CPPMINUS is used with CPPSTDIN. It contains either "-" or "".

?C:.

?H:#define CPPSTDIN "\$cppstdin"  
 ?H:#define CPPMINUS "\$cppminus"  
 ?H:#define CPPRUN "\$cpprun"  
 ?H:#define CPPLAST "\$cpplast"  
 ?H:.

?F:cppstdin !testcpp.out !testcpp.c



```

?T:wrapper x_cpp x_minus ok
?LINT:extern cppflags
: see how we invoke the C preprocessor
echo " "
echo "Now, how can we feed standard input to your C preprocessor..." >&4
cat <<'EOT' >testcpp.c
#define ABC abc
#define
  XYZ xyz
ABC.XYZ
EOT
cd ..
if test ! -f cppstdin; then
  if test "X$osname" = "Xaix" -a "X$gccversion" = X; then
    # AIX cc -E doesn't show the absolute headerfile
    # locations but we'll cheat by using the -M flag.
    echo 'cat >.$$.c; rm -f .$$.u; ""$cc" "${1+"$@"} -M -c .$$.c 2>/dev/null; test -s .$$.u && awk """"$2 ~ /\.h$/ { print
"# 0 \\""$2"\\""" }"""" .$$.u; rm -f .$$.o .$$.u; ""$cc" -E ${1+"$@"} .$$.c; rm .$$.c' > cppstdin
  else
    echo 'cat >.$$.c; ""$cc $cppflags" -E ${1+"$@"} .$$.c; rm .$$.c' >cppstdin
  fi
else
  echo "Keeping your $hint cppstdin wrapper."
fi
chmod 755 cppstdin
wrapper=`pwd`/cppstdin
ok='false'
cd UU

?X:
?X: We'll run the cpp tests again if we don't have any valid C preprocessor
?X: yet or don't know how to proceed without a wrapper (in which case cprun
?X: is empty and that's really annoying...)
?X:
if $test "X$cppstdin" != "X" && \
  $cppstdin $cppminus <testcpp.c >testcpp.out 2>&1 && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
then
  echo "You used
  to use $cppstdin $cppminus so we'll use that again."
  case "$cprun" in
  ") echo "But let's see if we can live without a wrapper..." ;;
  *)
    if $cprun $cpplast <testcpp.c >testcpp.out 2>&1 && \
      $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1
    then
      echo "(And we'll use $cprun $cpplast to preprocess directly.)"
      ok='true'
    fi
  fi
fi

```

```

else
  echo "(However, $cpprun $cpplast does not work, let's see...)"
fi
;;
esac
else
case "$cppstdin" in
  *)
    echo "Good old $cppstdin $cppminus does not seem to be of any help..."
    ;;
  esac
fi

```

```

if $ok; then
  : nothing
elif echo 'Maybe ""$cc" -E" will work...'; \
  $cc -E <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yup, it does."
  x_cpp="$cc $cppflags -E"
  x_minus="";
elif echo 'Nope...maybe ""$cc" -E -" will work...'; \
  $cc -E - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yup, it does."
  x_cpp="$cc $cppflags -E"
  x_minus='-';
elif
  echo 'Nope...maybe ""$cc" -P" will work...'; \
  $cc -P <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "Yipee, that works!"
  x_cpp="$cc $cppflags -P"
  x_minus="";
elif echo 'Nope...maybe ""$cc" -P -" will work...'; \
  $cc -P - <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "At long last!"
  x_cpp="$cc $cppflags -P"
  x_minus='-';
elif echo 'No such luck, maybe "$cpp" will work...'; \
  $cpp <testcpp.c >testcpp.out 2>&1; \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
  echo "It works!"
  x_cpp="$cpp $cppflags"
  x_minus="";
elif echo 'Nixed again...maybe "$cpp" -" will work...'; \

```

```

$cpp - <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "Hooray, it works! I was beginning to wonder."
x_cpp="$cpp $cppflags"
x_minus='-';
elif echo 'Uh-uh. Time to get fancy. Trying a wrapper...'; \
$wrapper <testcpp.c >testcpp.out 2>&1; \
$contains
'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
x_cpp="$wrapper"
x_minus=""
echo "Eureka!"
else
dflt=""
rp="No dice. I can't find a C preprocessor. Name one:"
. ./myread
x_cpp="$ans"
x_minus=""
$x_cpp <testcpp.c >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 ; then
echo "OK, that will do." >&4
else
echo "Sorry, I can't get that to work. Go find one and rerun Configure." >&4
exit 1
fi
fi

case "$ok" in
false)
cppstdin="$x_cpp"
cppminus="$x_minus"
cpprun="$x_cpp"
cpplast="$x_minus"
?X:
?X: If /lib/cpp is used, try using a wrapper to increase our chances to have
?X: the C compiler and our $cppstdin agree on the same symbols... However,
?X: since cpprun is guaranteed not to be a wrapper, we must clear it if the
?X: only preprocessor we found was a wrapper, with all our luck...
?X:
set X $x_cpp
shift
case "$1" in
"$cpp")
echo "Perhaps can we force $cc -E using a wrapper..."
if $wrapper <testcpp.c >testcpp.out 2>&1; \
$contains 'abc.*xyz'
testcpp.out >/dev/null 2>&1
then

```

```

echo "Yup, we can."
cppstdin="$wrapper"
cppminus=";
else
echo "Nope, we'll have to live without it..."
fi
;;
esac
case "$cpprun" in
"$wrapper")
cpprun="
cpplast="
;;
esac
;;
esac

```

```

case "$cppstdin" in
"$wrapper"|'cppstdin') ;;
*) $rm -f $wrapper;;
esac
$rm -f testcpp.c testcpp.out

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/cppstdin.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_hasmntopt: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_hasmntopt:

?S: This variable conditionally defines the HAS\_HASMNTOPT symbol, which

?S: indicates to the C program that the hasmntopt() routine is available

?S: to query the mount options of file systems.

?S:.

?C:HAS\_HASMNTOPT:

?C: This symbol, if defined, indicates that the hasmntopt routine is

?C: available to query the mount options of file systems.

?C:.

?H:#\$d\_hasmntopt HAS\_HASMNTOPT /\*\*/

?H:.

```
?LINT:set d_hasmntopt
: see if hasmntopt exists
set hasmntopt d_hasmntopt
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_hasmntopt.U
```

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

```
?RCS: $Id: d_hidnet.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```

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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_hidnet.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:06:20 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_hidnet hiddennet: cat sed myhostname mydomain Myread Oldconfig
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_hidnet:
```

```
?S: This variable conditionally defines the symbol HIDDEN_NET, which
```

```
?S: tells the C program that it should pretend it is on a different
```

```
?S: host for purposes of advertising a mailing address.
```

```
?S:.
```

```
?S:hiddennet:
```

```
?S: This variable contains
```

```
the value eventually given to the symbol
```

```
?S: HIDDEN_NET, if d_hidnet defines it. If defined, it's the name
```

```
?S: of the host which serves as the mail server for a network that
```

```
?S: is invisible to the outside world.
```

```
?S:.
```

```
?C:HIDDEN_NET (HIDDENNET):
```

```
?C: This symbol, if defined, contains the host name that you want to
```

```
?C: advertise to the outside world. This name can be different from
```

```
?C: your actual host name, as long as the machine you specify knows
```

```
?C: how to forward mail to you.
```

```
?C:.
```

```
?H:#$d_hidnet HIDDEN_NET "$hiddennet" /**/
```

```
?H:.
```

```
: now get the host name to advertise as our mailing address
```

```
case "$hiddennet" in
```

```

") dflt=n;;
*) dflt=y;;
esac
$cat <<EOM

```

Some sites are on "hidden" networks, in the sense that the network appears to the outside world as a single machine. The advertised name of any host on this hidden network is the name of one machine on the local network which knows how to forward mail to any other host on the hidden network.

Do you wish to advertise a different hostname to the world than the one your own host (\$myhostname\$mydomain) has?

```

EOM
rp='Use "hidden" network?'
. ./myread
case "$ans" in
n*) d_hidnet="$undef" hiddennet="";;
*)
d_hidnet="$define"
echo " "
case "$hiddennet" in
") dflt=`echo $mydomain | $sed -e 's/^\./'`;;
*) dflt="$hiddennet";;
esac
rp='What hostname do you wish to advertise?'
. ./myread
hiddennet="$ans"
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_hidnet.U

```

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?RCS:

?MAKE:d\_memrchr: Inlibc Hasproto d\_gnulibc

?MAKE: -pick add \$@ %<

?S:d\_memrchr:

?S: This variable conditionally defines the HAS\_MEMRCHR symbol, which

?S: indicates to the C program that the memrchr() routine is available

?S: to return a pointer to the last occurrence of a byte in a memory

?S: area (or NULL if not found).

?S:.

```

?C:HAS_MEMRCHR:
?C: This symbol, if defined, indicates that the memrchr routine is
?C: available to return a pointer to the last occurrence of a byte in
?C: a memory area (or NULL if not found).
?C:.
?H:#$d_memrchr HAS_MEMRCHR /**/
?H:.
?T:d_memrchr_proto xx1 xx2 xx3 xx4
?LINT:set d_memrchr
: see if memrchr exists
: We need both a prototype in string.h and the symbol in libc.
echo " "
d_memrchr_proto="
xx1="#$d_gnulibc HAS_GNULIBC"
xx2="#if defined(HAS_GNULIBC)
&& !defined(_GNU_SOURCE)'
xx3='# define _GNU_SOURCE'
xx4='#endif'
set d_memrchr_proto memrchr literal "$xx1" literal "$xx2" literal "$xx3" literal "$xx4" define string.h
eval $hasproto
case "$d_memrchr_proto" in
  define) # see if memrchr exists
set memrchr d_memrchr
eval $inlibc
;;
  *) val=$undef
set d_memrchr
eval $setvar
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_memrchr.U

```

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```

?RCS: $Id: d_poll.U 15 2006-08-30 18:21:51Z rmanfredi $
?RCS:
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_poll.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:38:17 ram

```

?RCS: patch61: mention that <poll.h> can be included if HAS\_POLL defined

?RCS:

?RCS: Revision 3.0.1.1 1995/01/11 15:26:31 ram

?RCS: patch45: created

?RCS:

?MAKE:d\_poll: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_poll:

?S: This variable conditionally defines the HAS\_POLL symbol, which

?S: indicates to the C program that the poll() routine is available

?S: to poll active file descriptors.

?S:.

?C:HAS\_POLL

:

?C: This symbol, if defined, indicates that the poll routine is

?C: available to poll active file descriptors. Please check I\_POLL and

?C: I\_SYS\_POLL to know which header should be included as well.

?C:.

?H:#\$d\_poll HAS\_POLL /\*\*/

?H:.

?LINT:set d\_poll

: see if poll exists

set poll d\_poll

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_poll.U

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?RCS:

?RCS: \$Log: d\_setpgrp.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:44:16 ram

?RCS: patch61: obsoleted USE\_BSDGRP in favor of USE\_BSD\_SETPGRP

?RCS: patch61: another unit now also defines a USE\_BSD\_GETPGRP

?RCS: patch61: fallback for test program failure improved

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 13:59:30 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects



```

?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:15:37 ram
?RCS: patch36: added 'ldflags' to the test compile line (ADO)
?RCS:
patch36: call ./usg explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_setpgrp d_bsdsetpgrp: cat rm +cc +libs +ccflags \
+ldflags Inlibc Guess Setvar i_unistd
?MAKE: -pick add $@ %<
?S:d_setpgrp:
?S: This variable conditionally defines HAS_SETPGRP if setpgrp() is
?S: available to set the current process group.
?S:.
?S:d_bsdsetpgrp (d_bsdpggrp):
?S: This variable conditionally defines USE_BSD_SETPGRP if
?S: setpgrp needs two arguments whereas USG one needs none.
?S: See also d_setpgid for a POSIX interface.
?S:.
?C:HAS_SETPGRP (SETPGRP):
?C: This symbol, if defined, indicates that the setpgrp routine is
?C: available to set the current process group.
?C:.
?C:USE_BSD_SETPGRP (USE_BSDPGRP BSDPGRP):
?C: This symbol, if defined, indicates that setpgrp needs two
?C: arguments whereas USG one needs none. See also HAS_SETPGID
?C: for a POSIX interface.
?C:.
?H:#$d_setpgrp HAS_SETPGRP /**/
?H:#$d_bsdsetpgrp
USE_BSD_SETPGRP /**/
?H:.
?F:!set.c !set
?T:xxx
?LINT:set d_setpgrp d_bsdsetpgrp
: see if setpgrp exists
set setpgrp d_setpgrp
eval $inlibc

@if USE_BSD_SETPGRP || d_bsdsetpgrp
case "$d_setpgrp" in
"$define")
echo " "
echo "Checking to see which flavor of setpgrp is in use..."
$cat >set.c <<EOP
#$i_unistd I_UNISTD

```

```

#include <sys/types.h>
#ifdef I_UNISTD
# include <unistd.h>
#endif
int main()
{
if (getuid() == 0) {
printf("(I see you are running Configure as super-user...)\n");
setuid(1);
}
#ifdef TRY_BSD_PGRP
if (-1 == setpgrp(1, 1))
exit(0);
#else
if (setpgrp() != -1)
exit(0);
#endif
exit(1);
}
EOP
if $cc -DTRY_BSD_PGRP $ccflags $ldflags -o set set.c $libs >/dev/null 2>&1 && ./set; then
echo 'You have to use setpgrp(pid,pgrp) instead of setpgrp().' >&4
val="$define"
elif $cc $ccflags $ldflags -o set set.c $libs >/dev/null 2>&1 && ./set; then
echo 'You have to use setpgrp() instead of setpgrp(pid,pgrp).' >&4
val="$undef"
else
echo "(I can't
seem to compile and run the test program.)"
if ./usg; then
xxx="a USG one, i.e. you use setpgrp()."
else
# SVR4 systems can appear rather BSD-ish.
case "$i_unistd" in
$undef)
xxx="a BSD one, i.e. you use setpgrp(pid,pgrp)."
val="$define"
;;
$define)
xxx="probably a USG one, i.e. you use setpgrp()."
val="$undef"
;;
esac
fi
echo "Assuming your setpgrp is $xxx" >&4
fi
;;
*) val="$undef";;

```

```
esac
set d_bsdsetpgrp
eval $setvar
$rm -f set set.c
@end
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setpgrp.U

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?RCS:

?MAKE:d\_setitimer: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setitimer:

?S: This variable conditionally defines the HAS\_SETITIMER symbol, which

?S: indicates to the C program that the setitimer() routine is available.

?S:.

?C:HAS\_SETITIMER:

?C: This symbol, if defined, indicates that the setitimer routine is

?C: available to set interval timers.

?C:.

?H:#\$d\_setitimer HAS\_SETITIMER /\*\*/

?H:.

?LINT:set d\_setitimer

: see if setitimer exists

set setitimer d\_setitimer

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_setitimer.U

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```

?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_flexfnam.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:04 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_flexfnam: cat rm test Setvar
?MAKE: -pick add $@ %<
?S:d_flexfnam:
?S: This variable conditionally defines the FLEXFILENAMES symbol, which
?S: indicates that the system supports filenames longer than 14 characters.
?S:.
?C:FLEXFILENAMES:
?C: This symbol, if defined, indicates that the system supports filenames
?C: longer than 14 characters.
?C:.
?H:#$d_flexfnam FLEXFILENAMES /**/
?H:.
?T:first
second
?LINT:set d_flexfnam
: see if we can have long filenames
echo " "
?X:
?X: We have to test in both /tmp and . because of NFS (remote server may allow
?X: long filenames while the local filesystem cannot support them). If at least
?X: one of those file systems cannot support long filenames, then we assume the
?X: whole system can't.
?X:
rmlist="$rmlist /tmp/cf$$"
$test -d /tmp/cf$$ || mkdir /tmp/cf$$
first=123456789abcdef
second=/tmp/cf$$/$first
$rm -f $first $second
if (echo hi >$first) 2>/dev/null; then
if $test -f 123456789abcde; then
echo 'You cannot have filenames longer than 14 characters. Sigh.' >&4
val="$undef"
else
if (echo hi >$second) 2>/dev/null; then
if $test -f /tmp/cf$$/123456789abcde; then
$cat <<'EOM'
That's peculiar... You can have filenames longer than 14 characters, but only
on some of the filesystems. Maybe you are using NFS. Anyway, to avoid problems
I shall consider your system cannot support long filenames at all.
EOM
val="$undef"
else

```

```
echo
'You can have filenames longer than 14 characters.' >&4
  val="$define"
fi
else
  $cat <<'EOM'
```

How confusing! Some of your filesystems are sane enough to allow filenames longer than 14 characters but some others like /tmp can't even think about them. So, for now on, I shall assume your kernel does not allow them at all.

```
EOM
  val="$undef"
fi
fi
else
  $cat <<'EOM'
```

You can't have filenames longer than 14 chars. You can't even think about them!

```
EOM
val="$undef"
fi
set d_flexfnam
eval $setvar
$rm -rf /tmp/cf$$ 123456789abcde*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_flexfnam.U
```

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

```
?RCS: $Id: i_sysfile.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysfile.U,v $
?RCS: Revision 3.0.1.2 1995/07/25 14:11:36 ram
?RCS: patch56: removed <> characters from comment, per metalint suggestion
?RCS:
?RCS: Revision 3.0.1.1 1993/08/25 14:01:23 ram
?RCS: patch6: added default for i_sysfile
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:31 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
```

```

?MAKE:i_sysfile: h_sysfile Inhdr Setvar
?MAKE: -pick add $@ %<
?S:i_sysfile:
?S: This variable conditionally defines
the I_SYS_FILE symbol, and indicates
?S: whether a C program should include <sys/file.h> to get R_OK and friends.
?S:.
?C:I_SYS_FILE (I_SYSFILE):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/file.h> to get definition of R_OK and friends.
?C:.
?H:#$i_sysfile I_SYS_FILE /**/
?H:.
?T:val
?D:i_sysfile=""
?LINT:change h_sysfile
?LINT:set i_sysfile
: see if this is a sys/file.h system
val=""
set sys/file.h val
eval $inhdr

: do we need to include sys/file.h ?
case "$val" in
"$define")
echo " "
if $h_sysfile; then
val="$define"
echo "We'll be including <sys/file.h>." >&4
else
val="$undef"
echo "We won't be including <sys/file.h>." >&4
fi
;;
*)
h_sysfile=false
;;
esac
set i_sysfile
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysfile.U

```

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

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_statblks.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:29 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_statblks: contains Setvar Findhdr

?MAKE: -pick add \$@ %<

?S:d\_statblks:

?S: This variable conditionally defines USE\_STAT\_BLOCKS if this system

?S: has a stat structure declaring st\_blksize and st\_blocks.

?S:.

?C:USE\_STAT\_BLOCKS (STATBLOCKS):

?C: This symbol is defined if this system has a stat structure declaring

?C: st\_blksize and st\_blocks.

?C:.

?H:#\$d\_statblks USE\_STAT\_BLOCKS

/\*\*/

?H:.

?T:xxx

?LINT:set d\_statblks

: see if stat knows about block sizes

echo " "

xxx=`./findhdr sys/stat.h`

if \$contains 'st\_blocks;' "\$xxx" >/dev/null 2>&1 ; then

if \$contains 'st\_blksize;' "\$xxx" >/dev/null 2>&1 ; then

echo "Your stat() knows about block sizes." >&4

val="\$define"

else

echo "Your stat() doesn't know about block sizes." >&4

val="\$undef"

fi

else

echo "Your stat() doesn't know about block sizes." >&4

val="\$undef"

fi

set d\_statblks

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/d\_statblks.U

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```
?RCS: $Id: Csym.U,v 3.0.1.4 1995/07/25 13:36:29 ram Exp $
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Csym.U,v $
?RCS: Revision 3.0.1.4 1995/07/25 13:36:29 ram
?RCS: patch56: re-arranged compile line to include ldflags before objects
?RCS: patch56: added quotes for OS/2 support
?RCS:
?RCS: Revision 3.0.1.3 1995/05/12 12:00:33 ram
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)
?RCS:
?RCS: Revision 3.0.1.2 1994/10/31 09:34:13 ram
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U
?RCS:
?RCS: Revision
3.0.1.1 1993/08/25 14:00:05 ram
?RCS: patch6: added ldflags as a conditional dependency and to compile line
?RCS: patch6: a final double quote was missing in csym variable after eval
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:50 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:Csym mistrustnm extern_C: Options contains libc libs runnm test \
+cc +optimize +ccflags +ldflags run rm_try _exe d_cplusplus
?MAKE: -pick add $@ %<
?LINT:define csym
?LINT:use libc
?LINT:extern mistrustnm
?LINT:set mistrustnm
?S:csym:
?S: This shell variable is used internally by Configure to check
?S: whether a given C symbol is defined or not. A typical use is:
?S: set symbol result [-fva] [previous]
?S: eval $csym
?S: That will set result to 'true' if the function [-f], variable [-v]
?S: or array [-a] is defined, 'false' otherwise. If a previous value is
?S: given and the -r flag was provided on the command line, that value
?S: is reused without questioning.
?S:.
```



?S:extern\_C:

?S: ANSI C

requires 'extern' where C++ requires 'extern "C"'. This

?S: variable can be used in Configure to do the right thing.

?S:.

?S:mistrustnm:

?S: This variable can be used to establish a fallback for the cases

?S: where nm fails to find a symbol. If use\_nm is false or use\_nm is true

?S: and mistrustnm is false, this variable has no effect. If use\_nm is true

?S: and mistrustnm is "compile", a test program will be compiled to try to

?S: find any symbol that can't be located via nm lookup. If mistrustnm is

?S: "run", the test program will be run as well as being compiled.

?S:.

?V:csym

?T:tval tx tlook tf tdc

?F:!try

: is a C symbol defined?

```
csym='tlook=$1;
```

```
case "$3" in
```

```
-v) tf=libc.tmp; tdc="";;
```

```
-a) tf=libc.tmp; tdc="[]";;
```

```
*) tlook="^$1\$"; tf=libc.list; tdc="()";;
```

```
esac;
```

```
case "$d_cplusplus" in
```

```
  $define) extern_C="extern \"C\"";;
```

```
  *) extern_C="extern";;
```

```
esac;
```

```
tx=yes;
```

```
case "$reuseval-$4" in
```

```
true-) ;;
```

```
true-*) tx=no; eval "tval=\$4"; case "$tval" in "") tx=yes;; esac;;
```

```
esac;
```

```
case "$tx"
```

```
in
```

```
yes)
```

?X:

?X: Put symbol inside a printf to fool optimizing compilers...

?X:

?X: We use 'short' instead of 'int' to try to circumvent overzealous

?X: optimizing compilers using built-in prototypes for commonly used

?X: routines to complain when seeing a different external declaration. For

?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against

?X: memcpy() on machines where sizeof(int) == sizeof(char \*) (the usual return

?X: type), the compiler assuming it's a built-in declaration given that the

?X: returned size matches. At least with 'short' we are safe! -- RAM, for ADO

?X:

?X: Let's thank GNU cc for making our lives so easy! :-)

?X: (An alternative for the future would be to use our knowledge about gcc

```

?X: to force a -fno-builtin option in the compile test, in case the 'short'
?X: trick is obsoleted by future gcc releases). -- RAM
?X:
tval=false;
if $test "$runnm" = true; then
  if $contains $tlook $tf >/dev/null 2>&1; then
    tval=true;
    elif $test "$mistrustnm"
= compile -o "$mistrustnm" = run; then
  echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
  $cc -o try $optimize $ccflags $ldflags try.c >/dev/null 2>&1 $libs && tval=true;
  $test "$mistrustnm" = run -a -x try && { $run ./try$_exe >/dev/null 2>&1 || tval=false; };
  $rm_try;
fi;
else
  echo "$extern_C void *$1$tdc; void *(*(p()))$tdc { return &$1; } int main(int argc, char **argv) { if(p() && p() !=
(void *)argv[0]) return(0); else return(1); }"> try.c;
  $cc -o try $optimize $ccflags $ldflags try.c $libs >/dev/null 2>&1 && tval=true;
  $rm_try;
fi;
;;
*)
case "$tval" in
$define) tval=true;;
*) tval=false;;
esac;
;;
esac;
eval "$2=$tval"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/compline/Csym.U

```

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

```

?RCS: $Id: d_getprior.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic Licence,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

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```

```

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```

```

?RCS: of the source tree for dist 4.0.

```

```

?RCS:

```

```

?RCS: $Log: d_getprior.U,v $

```

```

?RCS: Revision 3.0 1993/08/18 12:06:16 ram

```

?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?MAKE:d\_getprior: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_getprior:  
 ?S: This variable conditionally defines HAS\_GETPRIORITY if getpriority()  
 ?S: is available to get a process's priority.  
 ?S:.  
 ?C:HAS\_GETPRIORITY (GETPRIORITY):  
 ?C: This symbol, if defined, indicates that the getpriority routine is  
 ?C: available to get a process's priority.  
 ?C:.  
 ?H:#\$d\_getprior  
 HAS\_GETPRIORITY /\*\*/  
 ?H:.  
 : see if getpriority exists  
 ?LINT:set d\_getprior  
 set getpriority d\_getprior  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_getprior.U

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

/\*

\* \$Id: dup2.C,v 3.0.1.1 1994/01/24 13:58:37 ram Exp ram \$

\*

\* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

\*

\* You may redistribute only under the terms of the Artistic Licence,

\* as specified in the README file that comes with the distribution.

\* You may reuse parts of this distribution only within the terms of

\* that same Artistic Licence; a copy of which may be found at the root

\* of the source tree for dist 4.0.

\*

\* Original Author: Larry Wall <lwall@netlabs.com>

\*

\* \$Log: dup2.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:37 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/dup2.C

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_unistd.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_unistd.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:46 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_unistd: Inhdr
?MAKE: -pick add $@ %<
?S:i_unistd:
?S: This variable conditionally defines the I_UNISTD symbol, and indicates
?S: whether a C program should include <unistd.h>.
?S:.
?C:I_UNISTD:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <unistd.h>.
?C:.
?H:#$i_unistd I_UNISTD /**/
?H:.
?LINT:set
i_unistd
: see if this is a unistd.h system
set unistd.h i_unistd
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_unistd.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: libpth.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

?RCS:  
?RCS: \$Log: libpth.U,v \$  
?RCS: Revision 3.0.1.6 1997/02/28 16:08:49 ram  
?RCS: patch61: new loclibpth variable  
?RCS:  
?RCS: Revision 3.0.1.5 1995/01/11 15:31:30 ram  
?RCS: patch45: call ./mips instead of just mips (WED)  
?RCS:  
?RCS: Revision 3.0.1.4 1994/08/29 16:29:15 ram  
?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)  
?RCS: patch32: fixed information message, making it clearer (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/06/20 07:03:54  
ram  
?RCS: patch30: added /usr/shlib to glibpth for shared-only libraries  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:26:57 ram  
?RCS: patch27: fixed a typo (libpth -> glibpth)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:07:53 ram  
?RCS: patch23: now asks for library directories to be searched (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:02 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit initializes the path for C library lookup.  
?X:  
?MAKE:libpth glibpth xlibpth plibpth loclibpth incpth: \  
usrinc incpath test cat Myread Oldconfig sysroot osname \  
ccname echo cppstdin awk grep sed rm usecrosscompile  
?MAKE: -pick add \$@ %<  
?S:libpth:  
?S: This variable holds the general path (space-separated) used to find  
?S: libraries. It is intended to be used by other units.  
?S:.  
?S:glibpth:  
?S: This variable holds the general path (space-separated) used to  
?S: find libraries. It may contain directories that do not exist on  
?S: this platform, libpth is the cleaned-up  
version.  
?S:.  
?S:xlibpth:  
?S: This variable holds extra path (space-separated) used to find  
?S: libraries on this platform, for example CPU-specific libraries  
?S: (on multi-CPU platforms) may be listed here.  
?S:.  
?S:loclibpth:

?S: This variable holds the paths (space-separated) used to find local  
?S: libraries. It is prepended to libpth, and is intended to be easily  
?S: set from the command line.  
?S:.  
?S:plibpth:  
?S: Holds the private path used by Configure to find out the libraries.  
?S: Its value is prepend to libpth. This variable takes care of special  
?S: machines, like the mips. Usually, it should be empty.  
?S:.  
?S:incpth:  
?S: This variable must precede the normal include path to get the  
?S: right one, as in "\$incpath/usr/include" or "\$incpath/usr/lib".  
?S: Value can be "" or "/bsd43" on mips.  
?S:.  
?T: xxx dlist i j croak  
?LINT:extern incpth  
?LINT:change usrine  
?INIT:: change the next line if compiling for Xenix/286 on Xenix/386  
?INIT:xlibpth="/usr/lib/386 /lib/386"  
?INIT::  
Possible local library directories to search.  
?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"  
?INIT:loclibpth="\$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"  
?INIT:  
?INIT:: general looking path for locating libraries  
?INIT:glibpth="/lib /usr/lib \$xlibpth"  
?INIT:glibpth="\$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"  
?X: /shlib is for Digital Unix 4.0  
?X: /usr/shlib is for OSF/1 systems.  
?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib \$glibpth"  
?INIT:test -f /shlib/libc.so && glibpth="/shlib \$glibpth"  
?INIT:test -d /usr/lib64 && glibpth="\$glibpth /lib64 /usr/lib64 /usr/local/lib64"  
?INIT:  
?INIT:: Private path used by Configure to find libraries. Its value  
?INIT:: is prepended to libpth. This variable takes care of special  
?INIT:: machines, like the mips. Usually, it should be empty.  
?INIT:plibpth="  
?INIT:  
?X:cppfilter is later used in Findhdr.U, but we not want to expose it to config.h  
?T:cppfilter  
: Adjust cppfilter for path component separator  
case  
"\$osname" in  
vos) cppfilter="tr '\\|>' '/' |" ;; # path component separator is >  
os2) cppfilter="sed -e 's|\\\\\\\\\\\\\\\\\\\\\\\\|/g' |" ;; # path component separator is \  
\*) cppfilter=" " ;;  
esac

```

: Use gcc to determine libpth and incpth
# If using gcc or clang, we can get better values for libpth, incpth
# and usrinc directly from the compiler.
# Note that ccname for clang is also gcc.
case "$ccname" in
    gcc)
        $echo 'extern int foo;' > try.c
        set X `$cppstdin -v try.c 2>&1 | $awk '/^#include </,/^End of search /|'$cppfilter $grep '/include`
        shift
        if $test $# -gt 0; then
            incpth="$incpth $*"
            incpth="" $echo $incpth|$sed 's/^ //'
            for i in $*; do
                j="" $echo $i|$sed 's,/include$,/lib,`
            if $test -d $j; then
                libpth="$libpth $j"
            fi
        done
        libpth="" $echo $libpth|$sed 's/^ //'
        for xxx in $libpth $loclibpth $plibpth $glibpth; do
            if $test -d $xxx; then
                case " $libpth " in
                    *" $xxx ") ;;
                    *) libpth="$libpth $xxx";;
                esac
            fi
        done
    fi
    $rm -f try.c
    case "$usrinc" in
        ") for i in $incpth; do
            if $test -f $i/errno.h -a -f $i/stdio.h -a -f $i/time.h; then
                usrinc="$i"
                break
            fi
        done
        ;;
    esac

    case "$usecrosscompile" in
        $define|true|[yY]*)
            case "$incpth" in
                ") echo "Incpth not defined." >&4; croak=y ;;
                *) echo "Using incpth '$incpth'." >&4 ;;
            esac
            case "$libpth" in
                ") echo "Libpth not defined." >&4; croak=y ;;

```

```

*) echo "Using libpth '$libpth.'" >&4 ;;
  esac
  case "$usrinc" in
") echo "Usrinc not defined." >&4; croak=y ;;
*) echo "Using usrinc $usrinc." >&4 ;;
  esac
  case "$croak" in
y)
if test "X$sysroot" = X; then
  echo "Cannot continue, aborting." >&4; exit 1
else
  echo "Cross-compiling using sysroot $sysroot, failing to guess inc/lib paths is not fatal" >&4
fi
;;
  esac
;;
esac
;;
esac
;;
esac

```

```

: Default value for incpth is just usrinc
case "$incpth" in
") incpth="$usrinc";;
esac

```

```

: Set private lib path
case
"$plibpth" in
") if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
plibpth="$incpath/usr/lib $sysroot/usr/local/lib $sysroot/usr/ccs/lib"
  fi;;
esac
case "$libpth" in
' ') dlist="";;
") dlist="$loclibpth $plibpth $glibpth";;
*) dlist="$libpth";;
esac

```

```

: Now check and see which directories actually exist, avoiding duplicates
for xxx in $dlist
do
  if $test -d $xxx; then
  case " $libpth " in
*" $xxx "*) ;;
*) libpth="$libpth $xxx";;
  esac
fi

```



```
done
$cat <<'EOM'
```

Some systems have incompatible or broken versions of libraries. Among the directories listed in the question below, please remove any you know not to be holding relevant libraries, and add any that are needed. Say "none" for none.

EOM

```
if test "X$sysroot" != X; then
```

```
  $cat <<EOM
```

You have set sysroot to \$sysroot, please supply the directories excluding sysroot

EOM

```
fi
```

```
case "$libpth" in
```

```
  *) dflt='none';;
```

```
*)
```

```
?X: strip leading space
```

```
set X $libpth
```

```
shift
```

```
dflt=${1+"$@"}
```

```
;;
```

```
esac
```

```
rp="Directories
```

```
to use for library searches?"
```

```
./myread
```

```
case "$ans" in
```

```
  none) libpth=' ';;
```

```
*) libpth="$ans";;
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/libpth.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_mblen.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_mblen.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:09:40 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_mblen: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mblen:  
?S: This variable conditionally defines the HAS\_MBLEN symbol, which  
?S: indicates to the C program that the mblen() routine is available  
?S: to find the number of bytes in a multibyte character.  
?S:.  
?C:HAS\_MBLEN:  
?C: This  
symbol, if defined, indicates that the mblen routine is available  
?C: to find the number of bytes in a multibyte character.  
?C:.  
?H:#\$d\_mblen HAS\_MBLEN /\*\*/  
?H:.  
?LINT:set d\_mblen  
: see if mblen exists  
set mblen d\_mblen  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mblen.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: lex.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>  
?RCS:  
?RCS: \$Log: lex.U,v \$  
?RCS: Revision 3.0.1.3 1994/10/29 16:22:50 ram  
?RCS: patch36: spurious single quote could cause Configure to crash  
?RCS: patch36: (reported by Xavier Le Vouch <xavierl@eiffel.com>.)  
?RCS:

```

?RCS: Revision 3.0.1.2 1994/08/29 16:27:09 ram
?RCS: patch32: added lexflags variable for lex flags setting
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 15:06:01 ram
?RCS: patch23: added
trailing blank line for metalint
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:55 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:lex lexflags: Guess Myread Oldconfig flex test
?MAKE: -pick add $@ %<
?S:lex:
?S: This variable holds the name of the lexical analyser generator we
?S: want to use in the Makefile. It can be lex or flex.
?S:.
?S:lexflags:
?S: This variable holds any flags that should be passed to the lexical
?S: analyzer. It is up to the Makefile to use it.
?S:.
: determine lexical analyser generator
case "$lex" in
")
dflt=lex;;
*)
dflt="$lex";;
esac
echo " "
if $test -f "$flex"; then
rp='Which lexical analyser generator (lex or flex) shall I use?'
else
rp='Which lexical analyser generator shall I use?'
fi
./myread
lex="$ans"

@if lexflags
: if using lex this will normally be useless, but flex frequently takes args
echo " "
case "$lexflags" in
") dflt='none';;
*) dflt="$lexflags";;
esac
rp="What flags should be given to $lex?"
./myread
case "$ans"
in
none) lexflags="";;

```

```
*) lexflags="$ans";;
```

```
esac
```

```
@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lex.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_sysmman.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/01/24 14:11:20 ram
```

```
?RCS: patch16: created
```

```
?RCS:
```

```
?X:
```

```
?X: Look wether <sys/mman.h> needs to be included.
```

```
?X:
```

```
?MAKE:i_sysmman: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_sysmman:
```

```
?S: This variable conditionally defines the I_SYS_MMAN symbol,
```

```
?S: and indicates whether a C program should include <sys/mman.h>.
```

```
?S:.
```

```
?C:I_SYS_MMAN:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/mman.h>.
```

```
?C:.
```

```
?H:#$i_sysmman I_SYS_MMAN /**/
```

```
?H:.
```

```
?LINT:set
```

```
  i_sysmman
```

```
  : see if sys/mman.h has to be included
```

```
  set sys/mman.h i_sysmman
```

```
  eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysmman.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: cpp\_stuff.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: cpp\_stuff.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:08:24 ram  
?RCS: patch36: now uses cppstd in instead of plain cpp for consistency (ADO)  
?RCS: patch36: remove temporary files when done  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:36 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:cpp\_stuff: cat contains cppstd in cppflags cppminus rm  
?MAKE: -pick add \$@ %<  
?S:cpp\_stuff:  
?S: This variable contains an identification of the concatenation  
mechanism  
?S: used by the C preprocessor.  
?S:.  
?C:CAT2:  
?C: This macro concatenates 2 tokens together.  
?C:.  
?C:CAT3:  
?C: This macro concatenates 3 tokens together.  
?C:.  
?C:CAT4:  
?C: This macro concatenates 4 tokens together.  
?C:.  
?C:CAT5:  
?C: This macro concatenates 5 tokens together.  
?C:.  
?C:STRINGIFY:  
?C: This macro surrounds its token with double quotes.  
?C:.  
?C:SCAT2:  
?C: This macro concatenates 2 tokens together and stringifies the result.  
?C: It might not exist, so #ifdef it in your code!  
?C:.  
?C:SCAT3:  
?C: This macro concatenates 3 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?C:SCAT4:

?C: This macro concatenates 4 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?C:SCAT5:

?C: This macro concatenates 5 tokens together and stringifies the result.

?C: It might not exist, so #ifdef it in your code!

?C:.

?X: Dist pl70 included the following, but AIX's xlc compiler

?X: (which

is ANSI-ish and has cpp\_stuff == 42)) rejects

?X: The SQuote/EQuote stuff because the string literals are on

?X: separate lines. Sigh.

?X: Andy Dougherty 24 Feb 1998

?X: ?H: ?%<: #if \$cpp\_stuff == 1

?X: ?H: ?CAT2: #define CAT2(a,b) a/\*\*/b

?X: ?H: ?CAT3: #define CAT3(a,b,c) a/\*\*/b/\*\*/c

?X: ?H: ?CAT4: #define CAT4(a,b,c,d) a/\*\*/b/\*\*/c/\*\*/d

?X: ?H: ?CAT5: #define CAT5(a,b,c,d,e) a/\*\*/b/\*\*/c/\*\*/d/\*\*/e

?X: ?H: ?STRINGIFY: #define STRINGIFY(a) "a"

?X: ?H: ?%<: #define SQuote(a) "a"

?X: ?H: ?%<: #define EQuote(a) a"

?X: ?H: ?SCAT2: #define SCAT2(a,b) EQuote(SQuote(a)b)

?X: ?H: ?SCAT3: #define SCAT3(a,b,c) EQuote(SQuote(a)b/\*\*/c)

?X: ?H: ?SCAT4: #define SCAT4(a,b,c,d) EQuote(SQuote(a)b/\*\*/c/\*\*/d)

?X: ?H: ?SCAT5: #define SCAT5(a,b,c,d,e) EQuote(SQuote(a)b/\*\*/c/\*\*/d/\*\*/e)

?X: ?H: ?%<: #endif

?H: ?%<: #if \$cpp\_stuff == 1

?H: ?CAT2: #define CAT2(a,b) a/\*\*/b

?H: ?CAT3: #define CAT3(a,b,c) a/\*\*/b/\*\*/c

?H: ?CAT4: #define CAT4(a,b,c,d) a/\*\*/b/\*\*/c/\*\*/d

?H: ?CAT5: #define CAT5(a,b,c,d,e) a/\*\*/b/\*\*/c/\*\*/d/\*\*/e

?H: ?STRINGIFY: #define STRINGIFY(a) "a"

?X: If

you can get stringification with catify, tell me how!

?H: ?%<: #endif

?H: ?%<: #if \$cpp\_stuff == 42

?H: ?%<: #define PeRl\_CaTiFy(a, b) a ## b

?H: ?%<: #define PeRl\_StGiFy(a) #a

?X: The additional level of indirection enables these macros to be

?X: used as arguments to other macros. See K&R 2nd ed., page 231.

?H: ?CAT2: #define CAT2(a,b) PeRl\_CaTiFy(a,b)

?H: ?CAT3: #define CAT3(a,b,c) CAT2(PeRl\_CaTiFy(a,b),c)

?H: ?CAT4: #define CAT4(a,b,c,d) CAT2(CAT3(a,b,c),d)

?H: ?CAT5: #define CAT5(a,b,c,d,e) CAT2(CAT4(a,b,c,d),e)

?H: ?%<: #define StGiFy(a) PeRl\_StGiFy(a)

```

?H:?STRINGIFY:#define STRINGIFY(a) PeRl_StGiFy(a)
?H:?SCAT2:#define SCAT2(a,b) PeRl_StGiFy(a) PeRl_StGiFy(b)
?H:?SCAT3:#define SCAT3(a,b,c) PeRl_StGiFy(a) PeRl_StGiFy(b) PeRl_StGiFy(c)
?H:?SCAT4:#define SCAT4(a,b,c,d) PeRl_StGiFy(a) PeRl_StGiFy(b) PeRl_StGiFy(c) PeRl_StGiFy(d)
?H:?SCAT5:#define SCAT5(a,b,c,d,e) PeRl_StGiFy(a) PeRl_StGiFy(b) PeRl_StGiFy(c) PeRl_StGiFy(d)
PeRl_StGiFy(e)
?H:?%<:#endif
?H:?%<:#if $cpp_stuff != 1 && $cpp_stuff
!= 42
?H:?%<:#include "Bletch: How does this C preprocessor concatenate tokens?"
?H:?%<:#endif
?H:.
?W:%<:CAT2 CAT3 CAT4 CAT5 STRINGIFY SCAT2 SCAT3 SCAT4 SCAT5
?F!:cpp_stuff.c
?LINT:known StGiFy
?LINT:known PeRl_CaTiFy
?LINT:known PeRl_StGiFy
: how do we concatenate cpp tokens here?
echo " "
echo "Checking to see how your cpp does stuff like concatenate tokens..." >&4
$cat >cpp_stuff.c <<'EOCP'
#define RCAT(a,b)a/**/b
#define ACAT(a,b)a ## b
RCAT(Rei,ser)
ACAT(Cir,cus)
EOCP
$cppstdin $cppflags $cppminus <cpp_stuff.c >cpp_stuff.out 2>&1
if $contains 'Circus' cpp_stuff.out >/dev/null 2>&1; then
echo "Oh! Smells like ANSI's been here." >&4
echo "We can catify or stringify, separately or together!"
cpp_stuff=42
elif $contains 'Reiser' cpp_stuff.out >/dev/null 2>&1; then
echo "Ah, yes! The good old days!" >&4
echo "However, in the good old days we don't know how to stringify and"
echo "catify at the same time."
cpp_stuff=1
else
$cat >&4 <<EOM
Hmm, I don't seem to be able to concatenate
tokens with your cpp.
You're going to have to edit the values of CAT[2-5] in config.h...
EOM
?X: It would be nice to have configure remind us at the end that some manual
?X: intervention is needed -- FIXME
cpp_stuff="/* Help! How do we handle cpp_stuff? */*/"
fi
$rm -f cpp_stuff.*

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/cpp\_stuff.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2019 Karl Williamson

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_towupper: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_towupper:

?S: This variable conditionally defines the HAS\_TOWUPPER symbol, which

?S: indicates to the C program that the towupper() routine is available.

?S:.

?C:HAS\_TOWUPPER:

?C: This symbol, if defined, indicates that the towupper () routine is

?C: available to do case conversion.

?C:.

?H:#\$d\_towupper HAS\_TOWUPPER /\*\*/

?H:.

?LINT:set d\_towupper

: see if towupper exists

set towupper d\_towupper

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_towupper.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Obsol\_sh.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Obsol\_sh.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:11 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:



```

?X:
?X: This file is prepended to .MT/ObsoL_sh if that file is not empty. That file
?X: contains the necessary mappings of new symbols to obsolete ones.
?X:
?MAKE:ObsoL_sh:
?MAKE: -pick prepend $@ ./ObsoL_sh
?LINT:nocomment
#
# The following symbols are obsolete. They are mapped to the the new
# symbols only to ease the transition process.
# The sources should be
# updated so as to use the new symbols only, since supporting of those
# obsolete symbols may end without notice.
#

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/ObsoL_sh.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_scalbnL: Inlibc
?MAKE: -pick add $@ %<
?S:d_scalbnL:
?S: This variable conditionally defines the HAS_SCALBNL symbol, which
?S: indicates to the C program that the scalbnL() routine is available.
?S: If ilogbl is also present we can emulate frexpl.
?S:.
?C:HAS_SCALBNL:
?C: This symbol, if defined, indicates that the scalbnL routine is
?C: available. If ilogbl is also present we can emulate frexpl.
?C:.
?H:#$d_scalbnL HAS_SCALBNL /**/
?H:.
?LINT:set d_scalbnL
: see if scalbnL exists
set scalbnL d_scalbnL
eval $inlibc

```

```

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/perl/d_scalbnL.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sig\_name.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: sig\_name.U,v \$  
?RCS: Revision 3.0.1.5 1997/02/28 16:21:25 ram  
?RCS: patch61: brand new algorithm for sig\_name and (new!) sig\_num  
?RCS:  
?RCS: Revision 3.0.1.4 1995/07/25 14:14:54 ram  
?RCS: patch56: added <asm/signal.h> lookup for Linux  
?RCS:  
?RCS: Revision 3.0.1.3 1995/05/12 12:24:11 ram  
?RCS: patch54: now looks for <linux/signal.h> too (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/06/20 07:06:57 ram  
?RCS: patch30: final echo was missing to close  
awk-printed string  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:17:55 ram  
?RCS: patch23: signal list now formatted to avoid scroll-ups (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:47 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:sig\_name sig\_name\_init sig\_num sig\_num\_init sig\_count sig\_size: \  
awk Signal Oldconfig rm  
?MAKE: -pick add \$@ %<  
?S:sig\_name:  
?S: This variable holds the signal names, space separated. The leading  
?S: SIG in signal name is removed. A ZERO is prepended to the list.  
?S: This is currently not used, sig\_name\_init is used instead.  
?S:.  
?S:sig\_name\_init:  
?S: This variable holds the signal names, enclosed in double quotes and  
?S: separated by commas, suitable for use in the SIG\_NAME definition  
?S: below. A "ZERO" is prepended to the list, and the list is  
?S: terminated with a plain 0. The leading SIG in signal names  
?S: is removed. See sig\_num.  
?S:.  
?S:sig\_num:

?S: This variable holds the signal numbers, space separated. A ZERO is prepended to the list (corresponding to the fake SIGZERO).

?S: Those numbers correspond to the value of the signal listed in the same place within the sig\_name list.

?S: This is currently not used, sig\_num\_init is used instead.

?S:.

?S:sig\_num\_init:

?S: This variable holds the signal numbers, enclosed in double quotes and separated by commas, suitable for use in the SIG\_NUM definition below. A "ZERO" is prepended to the list, and the list is terminated with a plain 0.

?S:.

?S:sig\_count (sig\_name.U):

?S: This variable holds a number larger than the largest valid signal number. This is usually the same as the NSIG macro.

?S:.

?S:sig\_size:

?S: This variable contains the number of elements of the sig\_name and sig\_num arrays.

?S:.

?C:SIG\_NAME:

?C: This symbol contains a list of signal names in order of signal number. This is intended to be used as a static array initialization, like this:

?C: char \*sig\_name[] = { SIG\_NAME };

?C: The signals in the list are separated with commas, and each signal is surrounded by double quotes. There is no leading SIG in the signal name, i.e. SIGQUIT is known as "QUIT".

?C: Gaps in the signal numbers (up to NSIG) are filled in with NUMnn, etc., where nn is the actual signal number (e.g. NUM37).

?C: The signal number for sig\_name[i] is stored in sig\_num[i].

?C: The last element is 0 to terminate the list with a NULL. This corresponds to the 0 at the end of the sig\_name\_init list.

?C: Note that this variable is initialized from the sig\_name\_init, not from sig\_name (which is unused).

?C:.

?C:SIG\_NUM:

?C: This symbol contains a list of signal numbers, in the same order as the SIG\_NAME list. It is suitable for static array initialization, as in:

?C: int sig\_num[] = { SIG\_NUM };

?C: The signals in the list are separated with commas, and the indices within that list and the SIG\_NAME list match, so it's easy to compute the signal name from a number or vice versa at the price of a small dynamic linear lookup.

?C: Duplicates are allowed, but are moved to the end of the list.

?C: The signal number corresponding to sig\_name[i] is sig\_number[i].

?C: if (i < NSIG) then sig\_number[i] == i.

?C: The last element is 0, corresponding to the 0 at the end of

?C: the sig\_name\_init list.

?C: Note that this variable is initialized from the sig\_num\_init,

?C: not from sig\_num (which is unused).

?C:.

?C:SIG\_COUNT:

?C: This variable contains a number larger than the largest

?C: signal number. This is usually the same as the NSIG macro.

?C:.

?C:SIG\_SIZE:

?C: This variable contains the number of elements of the SIG\_NAME

?C: and SIG\_NUM arrays, excluding the final NULL entry.

?C:.

?H:#define SIG\_NAME \$sig\_name\_init /\*\*/

?H:#define SIG\_NUM \$sig\_num\_init /\*\*/

?H:#define SIG\_COUNT \$sig\_count /\*\*/

?H:#define SIG\_SIZE \$sig\_size /\*\*/

?H:.

?T:i doinit

?F:!= !signal\_cmd

?X: signal.cmd creates a file signal.lst which has two columns:

?X: NAME number, e.g.

?X: HUP 1

?X: The list is

sorted on signal number, with duplicates moved to

?X: the end..

: generate list of signal names

case "\$sig\_num\_init" in

)

echo " "

case "\$sig\_name\_init" in

) doinit=yes ;;

\*) case "\$sig\_num\_init" in

"\*,\*) doinit=yes ;;

esac ;;

esac

case "\$doinit" in

yes)

echo "Generating a list of signal names and numbers..." >&4

./signal\_cmd

sig\_count=`\$awk '/^NSIG/ { printf "%d", \$2 }' signal.lst`

sig\_name=`\$awk 'BEGIN { printf "ZERO " }

!/^NSIG/ { printf "%s ", \$1 }' signal.lst`

sig\_num=`\$awk 'BEGIN { printf "0 " }

!/^NSIG/ { printf "%d ", \$2 }' signal.lst`

sig\_name\_init=`\$awk 'BEGIN { printf "\"ZERO\", " }

```

    !/^NSIG/ { printf "\"%s\\", ", $1 }
    END { printf "0\\n" }' signal.lst`
sig_num_init=`$awk 'BEGIN { printf "0, " }
    !/^NSIG/ { printf "%d, ", $2}
    END { printf "0\\n" }' signal.lst`
;;
esac
echo "The following $sig_count signals are available:"
echo " "
echo $sig_name | $awk \
'BEGIN { linelen = 0 }
{
for (i = 1; i <= NF; i++) {
    name
= "SIG" $i " "
    linelen = linelen + length(name)
    if (linelen > 70) {
        printf "\\n"
        linelen = length(name)
    }
    printf "%s", name
    }
    printf "\\n"
}'
sig_size=`echo $sig_name | awk '{print NF}'`
$rm -f signal signal.c signal.awk signal.lst signal_cmd
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/sig\_name.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:sysroot: Head

?MAKE: -pick add \$@ %<

?S:sysroot:

?S: This variable is empty unless supplied by the Configure user.

?S: It can contain a path to an alternative root directory, under which

?S: headers and libraries for the compilation target can be found. This

?S: is generally used when cross-compiling using a gcc-like compiler.

?S:.

?LINT:extern cc

```

?LINT:extern cppflags
?LINT:change cppflags
?LINT:extern ccflags
?LINT:change ccflags
?LINT:extern ldflags
?LINT:change ldflags
?LINT:extern cccldflags
?X: _sysroot is later used in ccflags, but we do not want it in config.sh
?T:var xxx path _sysroot
: Set 'sysroot' to change the logical root directory to your headers and libraries see man gcc
: This is primarily meant for cross-compile environments, and
  may fail to be useful in other cases
if test "X$sysroot" = X; then
  sysroot=""
else
  case "$cc" in
  *gcc*|*g++*)
    echo "Using $sysroot to find your headers and libraries, adding to ccflags"
    # _sysroot is used in places where we need --sysroot=foo
    # but using the rest of the flags could cause issues.
    _sysroot="--sysroot=$sysroot";
    case "$ccflags" in
    *sysroot*) ;;
    'undef'|*)
      ccflags="$ccflags $_sysroot"
    esac
    case "$ldflags" in
    *sysroot*) ;;
    'undef'|*)
      ldflags="$ldflags $_sysroot"
    esac
    case "$cppflags" in
    *sysroot*) ;;
    'undef'|*)
      cppflags="$cppflags $_sysroot"
    esac
    # lddflags updated below in lddflags section;
    # same with cccldflags
    ;;
  esac

  # Adjust some defaults to also use $sysroot
  for var in xlibpth loclibpth locincpth glibpth; do
    eval xxx=\${$var}
    eval $var="
  for path in $xxx; do
    eval $var="\${$var} $sysroot$path\"
  done

```

done

fi

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Sysroot.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_mprotect: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_mprotect:

?S: This variable conditionally defines HAS\_MPROTECT if mprotect() is

?S: available to modify the access protection of a memory mapped file.

?S:.

?C:HAS\_MPROTECT:

?C: This symbol, if defined, indicates that the mprotect system call is

?C: available to modify the access protection of a memory mapped file.

?C:.

?H:#\$d\_mprotect HAS\_MPROTECT /\*\*/

?H:.

?LINT:set d\_mprotect

: see if mprotect exists

set mprotect d\_mprotect

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_mprotect.U

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?RCS:

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?RCS: of the source tree for dist 4.0.  
 ?RCS:  
 ?MAKE:Assert: cat  
 ?MAKE: -pick add \$@ %<  
 ?F:./static\_assert.h  
 : static assertion checking include file  
 ?X:  
 ?X: C programs can include this file to perform STATIC\_ASSERT() checks  
 ?X: which are done at compile-time and cause the compilation to fail when  
 ?X: the expression is false.  
 ?X:  
 ?X: It is sufficient to compile with: \$cc -c \$ccflags try.c  
 ?X: There is no need to link the file to spot the assertion failure.  
 ?X:  
 \$cat >static\_assert.h <<'EOC'  
 #define STATIC\_ASSERT(expr) \  
 do { switch (0) { case ((expr) ? 1 : 0): case 0: break; } }  
 while(0)  
 EOC

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Assert.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Rcs.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Rcs.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:15 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This is a unit that helps people who write SH scripts and keep them under

?X: RCS, but don't think to protect the \$Log and other \$Id keywords from

?X: variable substitution (or people like me who do not like to).

?X:

?MAKE:Author Date Header Id Locker Log RCSfile Revision Source State: Oldconfig

?MAKE: -pick weed \$@ %<

?LINT:describe Author



Date Header Id Locker Log RCSfile Revision Source State  
: preserve RCS keywords in files with variable substitution, grrr  
?Author:Author='\$Author'  
?Date:Date='\$Date'  
?Header:Header='\$Header'  
?Id:Id='\$Id'  
?\$Locker'  
?Log:Log='\$Log'  
?RCSfile:RCSfile='\$RCSfile'  
?Revision:Revision='\$Revision'  
?Source:Source='\$Source'  
?State:State='\$State'

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Rcs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_NeWS.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_NeWS.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:05:39 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_news d\_news0 d\_newshome d\_textcan: test rm Myread Getfile  
?MAKE: -pick add \$@ %<  
?S:d\_news:  
?S: Set if running NeWS 1.1  
?S:.  
?S:d\_news0:  
?S: Set if running NeWS 1.0  
?S:.  
?S:d\_newshome:  
?S: Path to the top directory of the NeWS structure.  
?S:.  
?S:d\_textcan:  
?S: Path to where the textcan.ps stuff is...  
?S:.  
?C:HAS\_NEWS1\_1 (NEWS1\_1):  
?C: This

```

symbol defined if running NeWS 1.1.
?C:.
?C:HAS_NEWS1_0 (NEWS1_0):
?C: This symbol defined if running NeWS 1.0.
?C:.
?C:TEXTCAN:
?C: Tells path to where the textcan.ps stuff is...
?C:.
?H:#$d_news HAS_NEWS1_1  /**/
?H:#$d_news0 HAS_NEWS1_0  /**/
?H:#define TEXTCAN $d_textcan /**/
?H:.
?INIT:: default path for NeWS
?INIT:d_newshome="/usr/NeWS"
?INIT:
: Check to see what version of NeWS is being run?
cd ..
echo " "
echo "Now for the interesting stuff... Lets see what kind of NeWS"
echo "they grow round here...."
echo " "
dflt='y'
if $test -d $d_newshome; then
d_newshome=`(cd $d_newshome ; /bin/pwd)`
echo "Ah...found myself a NeWS in $d_newshome..."
dflt='y'
rp="Is this the NeWS you want your children to grow up with?"
. UU/myread
fi
while $test $ans = "n"; do
dflt=$d_newshome
fn=d
rp="Path to NeWS you want:"
. UU/getfile
d_newshome=$ans

echo " "
if $test ! -d $d_newshome/lib; then
echo "ARG! No lib directory in $d_newshome!!!"
: heavy medicine. I wonder what the disease
is...
$rm -f kit*isdone
$rm -rf UU
: bye bye
set -t; echo "Sorry... no NeWS is bad news..."
fi

if $test -r $d_newshome/lib/NeWS/colors.ps ; then

```

```

echo 'Ahh... your running NeWS 1.1! Boy... that makes stuff easy....'
echo " "
d_news="$define"
d_news0="$undef"
if $test -r $d_newshome/lib/NeWS/textcan.ps; then
d_textcan=$d_newshome/lib/NeWS
echo "The textcan.ps stuff seems to be in : $d_textcan"
else
d_textcan=$d_newshome/clientsrc/client/nterm
if $test ! -r $d_textcan/textcan.ps; then
d_news="$undef"
d_news0="$define"
echo 'Hmm... must have been fooled... gotta be NeWS 1.1 beta!'
else
echo "The textcan.ps stuff seems to be in : $d_textcan"
fi
fi
else
echo 'snif... sniff... I smell the dilapidated smell of NeWS 1.0..''
echo 'Some things will not work under NeWS 1.0...''
d_news="$undef"
d_news0="$define"
fi
cd UU

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_NeWS.U
```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_dirent.U,v \$

?RCS: Revision 3.0.1.4 1994/10/29 16:20:01 ram

?RCS: patch36: failed scanning for 'd\_namlen' with missing <dirent.h> (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/06/20 07:01:25 ram

?RCS: patch30: added direntrytype for hints, merely for NeXT (ADO)

?RCS: patch30: now checks for both struct dirent and direct (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:22:37 ram

?RCS: patch27: new variable direntrytype for proper type setting (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24  
14:11:15 ram

?RCS: patch16: added new Direntry\_t pseudo-type for directory entries

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:17 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit looks whether there is a dirent system or not

?X:

?MAKE:i\_dirent d\_dirnamlen direntrytype: test contains Setvar \  
Myread Findhdr cppstdin cppflags cppminus rm\_try

?MAKE: -pick add \$@ %<

?S:i\_dirent:

?S: This variable conditionally defines I\_DIRENT, which indicates  
?S: to the C program that it should include <dirent.h>.

?S:.

?S:d\_dirnamlen:

?S: This variable conditionally defines DIRNAMLEN, which indicates  
?S: to the C program that the length of directory entry names is  
?S: provided by a d\_namelen field.

?S:.

?S:direntrytype:

?S: This symbol is set to 'struct direct' or 'struct dirent' depending on  
?S: whether dirent is available or not. You should use this pseudo type to  
?S: portably declare your directory entries.

?S:.

?C:I\_DIRENT:

?C: This symbol, if defined, indicates to the C program  
that it should  
?C: include <dirent.h>. Using this symbol also triggers the definition  
?C: of the Direntry\_t define which ends up being 'struct dirent' or  
?C: 'struct direct' depending on the availability of <dirent.h>.

?C:.

?C:DIRNAMLEN:

?C: This symbol, if defined, indicates to the C program that the length  
?C: of directory entry names is provided by a d\_namlen field. Otherwise  
?C: you need to do strlen() on the d\_name field.

?C:.

?C:Direntry\_t:

?C: This symbol is set to 'struct direct' or 'struct dirent' depending on  
?C: whether dirent is available or not. You should use this pseudo type to  
?C: portably declare your directory entries.

?C:.

?H:#\$i\_dirent I\_DIRENT /\*\*/

```

?H:#$d_dirnamlen DIRNAMLEN /**/
?H:?%<:@if I_DIRENT && Direntry_t
?H:?%<:#define Direntry_t $direntrytype
?H:?%<:@end
?H:.
?T:xinc guess1 guess2
?LINT:set i_dirent d_dirnamlen
: see if this is a dirent system
echo " "
if xinc=`./findhdr dirent.h`; $test "$xinc"; then
  val="$define"
  echo "<dirent.h> found." >&4
else
  val="$undef"
  if
  xinc=`./findhdr sys/dir.h`; $test "$xinc"; then
    echo "<sys/dir.h> found." >&4
    echo " "
  else
    xinc=`./findhdr sys/ndir.h`
  fi
  echo "<dirent.h> NOT found." >&4
fi
set i_dirent
eval $setvar

```

?X: Use struct dirent or struct direct? If we're using dirent.h,  
?X: it's probably struct dirent, but apparently not always.  
?X: Assume \$xinc still contains the name of the header file we're using.  
@if direntrytype || Direntry\_t  
: Look for type of directory structure.  
echo " "  
\$cppstdin \$cppflags \$cppminus < "\$xinc" > try.c

```

case "$direntrytype" in
'|' )
  case "$i_dirent" in
$define) guess1='struct dirent' ;;
*) guess1='struct direct' ;;
esac
;;
*) guess1="$direntrytype"
;;
esac

```

```

case "$guess1" in
'struct dirent') guess2='struct direct' ;;
*) guess2='struct dirent' ;;

```

esac

```
if $contains "$guess1" try.c >/dev/null 2>&1; then
  direntrytype="$guess1"
  echo "Your directory entries are $direntrytype." >&4
elif $contains "$guess2" try.c >/dev/null 2>&1; then
  direntrytype="$guess2"
  echo
  "Your directory entries seem to be $direntrytype." >&4
else
  echo "I don't recognize your system's directory entries." >&4
  rp="What type is used for directory entries on this system?"
  dflt="$guess1"
  . /myread
  direntrytype="$ans"
fi
$rm_try
```

@end

```
@if d_dirnamlen || DIRNAMLEN
: see if the directory entry stores field length
echo " "
$cppstdin $cppflags $cppminus < "$xinc" > try.c
if $contains 'd_namlen' try.c >/dev/null 2>&1; then
  echo "Good, your directory entry keeps length information in d_namlen." >&4
  val="$define"
else
  echo "Your directory entry does not know about the d_namlen field." >&4
  val="$undef"
fi
set d_dirnamlen
eval $setvar
$rm_try
```

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_dirent.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:dtraceobject dtracexnolibs: usedtrace dtrace cc cflags optimize \

```

Compile cat rm_try
?MAKE: -pick add $@ %<
?S:dtraceobject:
?S: Whether we need to build an object file with the dtrace tool.
?S:.
?S:dtracexnolib:
?S: Whether dtrace accepts -xnolib. If available we call dtrace -h
?S: and dtrace -G with -xnolib to allow dtrace to run in a jail on
?S: FreeBSD.
?S:.
?F: !perldtrace.h
?T:xnolib
: Probe whether dtrace builds an object, as newer Illumos requires an input
: object file that uses at least one of the probes defined in the .d file
case "$usedtrace" in
$define)
    case "$dtracexnolib" in
    $define|true|[yY]*)
        dtracexnolib=$define
$dtrace -h -xnolib -s ../perldtrace.d -o perldtrace.h
;;
'')
    if $dtrace -h -xnolib -s ../perldtrace.d -o perldtrace.h 2>&1 ; then
        dtracexnolib=$define
        echo "Your dtrace accepts -xnolib"
elif $dtrace -h -s ../perldtrace.d -o perldtrace.h 2>&1 ; then
        dtracexnolib=$undef
        echo "Your dtrace doesn't accept -xnolib"
else
        echo "Your dtrace doesn't work at all, try building without dtrace support" >&4
    exit 1
fi
;;
*)
    dtracexnolib=$undef
$dtrace -h -s ../perldtrace.d -o perldtrace.h
;;
esac

case $dtracexnolib in
$define) xnolib=-xnolib ;;
*) xnolib= ;;
esac

case "$dtraceobject" in
$define|true|[yY]*)
    dtraceobject=$define
    ;;
'')

```

```

$cat >try.c <<EOM
#include "perldtrace.h"
int main(void) {
    PERL_LOADED_FILE("dummy");
    return 0;
}
EOM

dtraceobject=$undef
if $cc -c -o try.o $optimize $ccflags try.c \
    && $dtrace -G $xnolibs -s ../perldtrace.d try.o >/dev/null 2>&1; then

    dtraceobject=$define
    echo "Your dtrace builds an object file"
fi
;;
*) dtraceobject=$undef ;;
esac
$rm_try perldtrace.o perldtrace.h
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/dtraceobject.U
```

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getprpwnam: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getprpwnam:

?S: This variable conditionally defines HAS\_GETPRPWNAME if getprpwnam() is

?S: available to retrieve protected (shadow) password entries by name.

?S:.

?C:HAS\_GETPRPWNAME:

?C: This symbol, if defined, indicates that the getprpwnam system call is

?C: available to retrieve protected (shadow) password entries by name.

?C:.

?H:#\$d\_getprpwnam HAS\_GETPRPWNAME /\*\*/

?H:.

?LINT:set d\_getprpwnam



```
: see if getprpwnam exists
set getprpwnam d_getprpwnam
eval $inlibc
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getprpwnam.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_regex.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Sidney C. Smith <scsmith@cbda9.apgea.army.mil>
```

```
?RCS:
```

```
?RCS: $Log: i_regex.U,v $
```

```
?RCS: Revision 3.0.1.1 1995/01/30 14:35:45 ram
```

```
?RCS: patch49: created
```

```
?RCS:
```

```
?RCS:
```

```
?MAKE:i_regex: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_regex:
```

```
?S: This variable conditionally defines the I_REGEX symbol, which
```

```
?S: indicates to the C program that <regex.h> exists and should
```

```
?S: be included.
```

```
?S:.
```

```
?C:I_REGEX:
```

```
?C: This symbol, if defined, indicates that <regex.h> exists
```

```
and should
```

```
?C: be included.
```

```
?C:.
```

```
?H:#$i_regex I_REGEX /**/
```

```
?H:.
```

```
?LINT:set i_regex
```

```
: see if regex is available
```

```
set regex.h i_regex
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/i\_regex.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_sterror.U,v \$

?RCS: Revision 3.0.1.3 1994/05/13 15:20:27 ram

?RCS: patch27: now uses new macro support for cleaner Strerror def

?RCS:

?RCS: Revision 3.0.1.2 1994/05/06 14:58:26 ram

?RCS: patch23: renamed sterror into Strerror to protect name space (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:08:56 ram

?RCS: patch16: protected code looking for sys\_errnolist[] with @if

?RCS: patch16: added default value for d\_sysernlst

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:35 ram

?RCS: Baseline

for dist 3.0 netwide release.

?RCS:

?MAKE:d\_sterror d\_syserrlst d\_sysernlst d\_sterrm: contains Csym Findhdr

?MAKE: -pick add \$@ %<

?S:d\_sterror:

?S: This variable conditionally defines HAS\_STRERROR if sterror() is

?S: available to translate error numbers to strings.

?S:.

?S:d\_syserrlst:

?S: This variable conditionally defines HAS\_SYS\_ERRLIST if sys\_errlist[] is

?S: available to translate error numbers to strings.

?S:.

?S:d\_sysernlst:

?S: This variable conditionally defines HAS\_SYS\_ERRNOLIST if sys\_errnolist[]

?S: is available to translate error numbers to the symbolic name.

?S:.

?S:d\_sterrm:

?S: This variable holds what Strerrr is defined as to translate an error

?S: code condition into an error message string. It could be 'sterror'

?S: or a more complex macro emulating strror with sys\_errlist[], or the

?S: "unknown" string when both sterror and sys\_errlist are missing.

?S:.

?C:HAS\_STRERROR (STRERROR):

?C: This symbol, if defined, indicates that the strerror routine is

?C: available

to translate error numbers to strings. See the writeup

?C: of Strerror() in this file before you try to define your own.

?C:.

?C:HAS\_SYS\_ERRLIST (SYSERRLIST):

?C: This symbol, if defined, indicates that the sys\_errlist array is

?C: available to translate error numbers to strings. The extern int

?C: sys\_nerr gives the size of that table.

?C:.

?C:HAS\_SYS\_ERRNOLIST (SYSERRNOLIST):

?C: This symbol, if defined, indicates that the sys\_errnolist array is

?C: available to translate an errno code into its symbolic name (e.g.

?C: ENOENT). The extern int sys\_nerrno gives the size of that table.

?C:.

?C:Strerror:

?C: This preprocessor symbol is defined as a macro if strerror() is

?C: not available to translate error numbers to strings but sys\_errlist[]

?C: array is there.

?C:.

```
?H:#$d_strerror HAS_STRERROR /**/
```

```
?H:#$d_syserrlst HAS_SYS_ERRLIST /**/
```

```
?H:#$d_sysernlst HAS_SYS_ERRNOLIST /**/
```

```
?H:#define Strerror(e) $d_strerror
```

?H:.

```
?D:d_sysernlst="
```

```
?T:xxx val
```

```
: see if strerror and/or sys_errlist[]
```

```
exist
```

```
echo " "
```

```
if set strerror val -f d_strerror; eval $csym; $val; then
```

```
echo 'strerror() found.' >&4
```

```
d_strerror="$define"
```

```
d_strerror='strerror(e)'
```

```
if set sys_errlist val -a d_syserrlst; eval $csym; $val; then
```

```
echo "(You also have sys_errlist[], so we could roll our own strerror.)"
```

```
d_syserrlst="$define"
```

```
else
```

```
echo "(Since you don't have sys_errlist[], sterror() is welcome.)"
```

```
d_syserrlst="$undef"
```

```
fi
```

```
elif xxx=`./findhdr string.h`; test "$xxx" || xxx=`./findhdr strings.h`; \
```

```
$contains '#[ ]*define.*strerror' "$xxx" >/dev/null 2>&1; then
```

```
echo 'strerror() found in string header.' >&4
```

```
d_strerror="$define"
```

```
d_strerror='strerror(e)'
```

```
if set sys_errlist val -a d_syserrlst; eval $csym; $val; then
```

```

echo "(Most probably, strerror() uses sys_errlist[] for descriptions.)"
d_syserrlst="$define"
else
echo "(You don't appear to have any sys_errlist[], how can this be?)"
d_syserrlst="$undef"
fi
elif set sys_errlist val -a d_syserrlst; eval $csym; $val; then
echo "strerror()
not found, but you have sys_errlist[] so we'll use that." >&4
d_strerror="$undef"
d_syserrlst="$define"
d_strerrorm='((e)<0||(e)>=sys_nerr?"unknown":sys_errlist[e])'
else
echo 'strerror() and sys_errlist[] NOT found.' >&4
d_strerror="$undef"
d_syserrlst="$undef"
d_strerrorm=""unknown""
fi
@if d_syserrlst || HAS_SYS_ERRNOLIST
if set sys_errnolist val -a d_syserrlst; eval $csym; $val; then
echo "(Symbolic error codes can be fetched via the sys_errnolist[] array.)"
d_syserrnolist="$define"
else
echo "(However, I can't extract the symbolic error code out of errno.)"
d_syserrnolist="$undef"
fi
@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strerror.U
```

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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_erfc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_erfc:

?S: This variable conditionally defines the HAS\_ERFC symbol, which

?S: indicates to the C program that the erfc() routine is available.

?S:.

?C:HAS\_ERFC:

?C: This symbol, if defined, indicates that the erfc routine is

?C: available to do the complementary error function.

?C:.

?H:#\$d\_erfc HAS\_ERFC /\*\*/

?H:.

```
?LINT:set d_erfc
: see if erfc exists
set erfc d_erfc
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_erfc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_strcspn.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
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```

```
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```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_strcspn.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:33 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_strcspn: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_strcspn:
```

```
?S: This variable conditionally defines the HAS_STRCSPN symbol, which
```

```
?S: indicates to the C program that the strcspn() routine is available
```

```
?S: to scan strings.
```

```
?S:.
```

```
?C:HAS_STRCSPN (STRCSPN):
```

```
?C: This symbol, if defined, indicates that the strcspn routine is
```

```
?C: available to scan
```

```
strings.
```

```
?C:.
```

```
?H:#$d_strcspn HAS_STRCSPN /**/
```

```
?H:.
```

```
?LINT:set d_strcspn
```

```
: see if strcspn exists
```

```
set strcspn d_strcspn
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_strcspn.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_bcopy.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_bcopy.U,v $
?RCS: Revision 3.0.1.2 1993/10/16 13:48:04 ram
?RCS: patch12: added magic support for bcopy()
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:01:11 ram
?RCS: patch10: now only defines HAS_BCOPY, no macro remap on memcpy (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:44 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_bcopy: Inlibc
?MAKE: -pick add $@ %<
?S:d_bcopy:
?S: This variable conditionally defines the HAS_BCOPY
symbol if
?S: the bcopy() routine is available to copy strings.
?S:.
?C:HAS_BCOPY:
?C: This symbol is defined if the bcopy() routine is available to
?C: copy blocks of memory.
?C:.
?H:#$d_bcopy HAS_BCOPY /**/
?H:.
?M:bcopy: HAS_BCOPY
?M:#ifndef HAS_BCOPY
?M:#ifndef bcopy
?M:#define bcopy(s,d,l) memcpy((d),(s),(l))
?M:#endif
?M:#endif
?M:.
?LINT:set d_bcopy
: see if bcopy exists
set bcopy d_bcopy
eval $inlibc

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_bcopy.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getsrvby.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_getsrvbyname d_getsrvbyport: Inlibc
?MAKE: -pick add $@ %<
?S:d_getsrvbyname:
?S: This variable conditionally defines the HAS_GETSERVBYNAME
?S: symbol, which indicates to the C program that the
?S: getsrvbyname() routine is available to look up services
?S: by their name.
?S:.
?S:d_getsrvbyport:
?S: This variable conditionally defines the HAS_GETSERVBYPOR
?S: symbol, which indicates to the C program that the
?S: getsrvbyport() routine is available to look up services
?S: by their port.
?S:.
?C:HAS_GETSERVBYNAME:
?C: This symbol, if defined, indicates that the getsrvbyname()
?C: routine is available to look up services by their name.
?C:.
?C:HAS_GETSERVBYPOR:
?C: This symbol, if defined,
?C: indicates that the getsrvbyport()
?C: routine is available to look up services by their port.
?C:.
?H:#$d_getsrvbyname HAS_GETSERVBYNAME /**/
?H:#$d_getsrvbyport HAS_GETSERVBYPOR /**/
?H:.
?LINT:set d_getsrvbyname d_getsrvbyport
: Optional checks for getsrvbyname and getsrvbyport

@if d_getsrvbyname || HAS_GETSERVBYNAME
: see if getsrvbyname exists
set getsrvbyname d_getsrvbyname
eval $inlibc
@end

@if d_getsrvbyport || HAS_GETSERVBYPOR
: see if getsrvbyport exists
set getsrvbyport d_getsrvbyport
eval $inlibc
```

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getsrvby.U

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?RCS: \$Id: d\_vfork.U,v 3.0.1.6 1994/08/29 16:18:21 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: d\_vfork.U,v \$

?RCS: Revision 3.0.1.6 1994/08/29 16:18:21 ram

?RCS: patch32: set default to 'y' the first time

?RCS:

?RCS: Revision 3.0.1.5 1994/06/20 06:59:14 ram

?RCS: patch30: usevfork was not always properly set

?RCS:

?RCS: Revision 3.0.1.4 1994/05/13 15:20:56 ram

?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/05/06 14:59:09 ram

?RCS: patch23: now explicitly ask whether vfork() should be used  
(ADO)

?RCS:

?RCS: Revision 3.0.1.2 1993/10/16 13:49:39 ram

?RCS: patch12: added magic for vfork()

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 16:06:57 ram

?RCS: patch10: removed automatic remapping of vfork on fork (WAD)

?RCS: patch10: added compatibility code for older config.sh (WAD)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:55 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_vfork usevfork d\_pseudofork: Inlibc Myread Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_vfork:

?S: This variable conditionally defines the HAS\_VFORK symbol, which

?S: indicates the vfork() routine is available.

?S:.

?S:usevfork:



?S: This variable is set to true when the user accepts to use vfork.  
 ?S: It is set to false when no vfork is available or when the user  
 ?S: explicitly requests not to use vfork.  
 ?S:.  
 ?S:d\_pseudofork:  
 ?S: This variable conditionally defines the HAS\_PSEUDOFORK symbol,  
 ?S: which indicates that an emulation of the fork routine is available.  
 ?S:.  
 ?C:HAS\_VFORK (VFORK):  
 ?C: This  
 symbol, if defined, indicates that vfork() exists.  
 ?C:.  
 ?H:#\$d\_vfork HAS\_VFORK /\*\*/  
 ?H:.  
 ?C:HAS\_PSEUDOFORK:  
 ?C: This symbol, if defined, indicates that an emulation of the  
 ?C: fork routine is available.  
 ?C:.  
 ?H:#\$d\_pseudofork HAS\_PSEUDOFORK /\*\*/  
 ?H:.  
 ?M:vfork: HAS\_VFORK  
 ?M:#ifndef HAS\_VFORK  
 ?M:#define vfork fork  
 ?M:#endif  
 ?M:.  
 ?T:d\_hvfork  
 : backward compatibility for d\_hvfork  
 if test X\$d\_hvfork != X; then  
 d\_vfork="\$d\_hvfork"  
 d\_hvfork="  
 fi  
 ?X:=====  
 : see if there is a vfork  
 val="  
 set vfork val  
 eval \$inlibc  
  
 d\_pseudofork=\$undef  
  
 : Ok, but do we want to use it. vfork is reportedly unreliable in  
 : perl on Solaris 2.x, and probably elsewhere.  
 case "\$val" in  
 \$define)  
 echo " "  
 case "\$usevfork" in  
 false) dflt='n';  
 \*) dflt='y';  
 esac

```
cat <<'EOM'
```

Perl can only use a `vfork()` that doesn't suffer from strict restrictions on calling functions or modifying global data in the child. For example, `glibc-2.1` contains such a `vfork()` that is unsuitable. If your system provides a proper `fork()` call, chances are that you do NOT want perl to use `vfork()`.

EOM

```
rp="Do you still want to use vfork()?"
. ./myread
case "$ans" in
y|Y) ;;
*)
echo "Ok, we won't use vfork()."
val="$undef"
;;
esac
;;
esac
;;
esac
?X:
?X: Only set it when final value is known to avoid spurious Whoa's
?X: Then set usevfork accordingly to the current value, for next run
?X:
set d_vfork
eval $setvar
case "$d_vfork" in
$define) usevfork='true';;
*) usevfork='false';;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_vfork.U
```

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strtoq: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtoq:

?S: This variable conditionally defines the HAS\_STRTOQ symbol, which

?S: indicates to the C program that the strtouq() routine is available.

?S:.

?C:HAS\_STRTOQ:

?C: This symbol, if defined, indicates that the strtouq routine is

?C: available to convert strings to long longs (quads).

?C:.

?H:#\$d\_strtouq HAS\_STRTOQ /\*\*/

?H:.

?LINT:set d\_strtouq

: see if strtouq exists

set strtouq d\_strtouq

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strtouq.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: byteorder.U,v 3.0.1.2 1997/02/28 15:24:55 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS:

?RCS: \$Log: byteorder.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:24:55 ram

?RCS: patch61: no longer ask the user if the test runs ok

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:58 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:28 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:byteorder: cat Myread Oldconfig Loc Compile rm\_try run \  
multiarch uvtype uvsize i\_stdlib

?MAKE: -pick add \$@ %<

?S:byteorder:

?S: This

variable holds the byte order in a UV. In the following,

?S: larger digits indicate more significance. The variable byteorder

?S: is either 4321 on a big-endian machine, or 1234 on a little-endian,

?S: or 87654321 on a Cray ... or 3412 with weird order !

?S:.

?C:BYTEORDER:

?C: This symbol holds the hexadecimal constant defined in byteorder,

?C: in a UV, i.e. 0x1234 or 0x4321 or 0x12345678, etc...

?C: If the compiler supports cross-compiling or multiple-architecture

?C: binaries, use compiler-defined macros to

?C: determine the byte order.

?C:.

```
?H:%<:#if defined(MULTIARCH)
```

```
?H:%<:# ifdef __LITTLE_ENDIAN__
```

```
?H:%<:# if LONGSIZE == 4
```

```
?H:%<:# define BYTEORDER 0x1234
```

```
?H:%<:# else
```

```
?H:%<:# if LONGSIZE == 8
```

```
?H:%<:# define BYTEORDER 0x12345678
```

```
?H:%<:# endif
```

```
?H:%<:# endif
```

```
?H:%<:# else
```

```
?H:%<:# ifdef __BIG_ENDIAN__
```

```
?H:%<:# if LONGSIZE == 4
```

```
?H:%<:# define BYTEORDER 0x4321
```

```
?H:%<:# else
```

```
?H:%<:# if LONGSIZE
```

```
== 8
```

```
?H:%<:# define BYTEORDER 0x87654321
```

```
?H:%<:# endif
```

```
?H:%<:# endif
```

```
?H:%<:# endif
```

```
?H:%<:# endif
```

```
?H:%<:#else
```

```
?H:%<:#define BYTEORDER 0x$byteorder /* large digits for MSB */
```

```
?H:%<:#endif
```

```
?H:.
```

```
?T:xxx_prompt
```

```
?F:!try
```

```
: check for ordering of bytes in a UV
```

```
echo " "
```

```
case "$multiarch" in
```

```
*$define*)
```

```
$cat <<EOM
```

```
You seem to be doing a multiarchitecture build,
```

```
skipping the byteorder check.
```

```
EOM
```

```
byteorder='ffff'
```

```
::
```

```
*)
```

```
case "$byteorder" in
```

```
")
```

```
$cat <<'EOM'
```

In the following, larger digits indicate more significance. A big-endian machine like a Pyramid or a Motorola 680?0 chip will come out to 4321. A little-endian machine like a Vax or an Intel 80?86 chip would be 1234. Other machines may have weird orders like 3412. A Cray will report 87654321, an Alpha will report 12345678. If the test program works the default is probably right.

I'm now running the test program...

```
EOM
```

```
$cat >try.c <<EOCP
```

```
#include <stdio.h>
```

```
#$i_stdlib I_STDLIB
```

```
#ifdef I_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
#include
```

```
<sys/types.h>
```

```
typedef $vtype UV;
```

```
int main()
```

```
{
```

```
int i;
```

```
union {
```

```
UV l;
```

```
char c[$vsize];
```

```
} u;
```

```
if ($vsize > 4)
```

```
u.l = (((UV)0x08070605) << 32) | (UV)0x04030201;
```

```
else
```

```
u.l = (UV)0x04030201;
```

```
for (i = 0; i < $vsize; i++)
```

```
printf("%c", u.c[i]+'0');
```

```
printf("\n");
```

```
exit(0);
```

```
}
```

```
EOCP
```

```
xxx_prompt=y
```

```
set try
```

```
if eval $compile && $run ./try > /dev/null; then
```

```
dflt=`$run ./try`
```

```
case "$dflt" in
```

```
[1-4][1-4][1-4][1-4]|12345678|87654321)
```

```
echo "(The test program ran ok.)"
```

```
echo "byteorder=$dflt"
```

```
xxx_prompt=n
```

```
::
```

```
????|????????) echo "(The test program ran ok.)" ;;
```

```
*) echo "(The test program didn't run right for some reason.)" ;;
```

```

    esac
else
    dflt='4321'
    cat <<'EOM'
(I can't seem to compile the test program. Guessing big-endian...)
EOM
fi
case "$xxx_prompt" in
y)
    rp="What is the order of bytes in $svtype?"
    ./myread
    byteorder="$sans"
    ;;
*) byteorder=$dflt
    ;;
esac
;;
esac
$rm_try
;;
esac

```

Found in path(s):

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/byteorder.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setnent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: d\_setnent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setnent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setnent:

?S: This variable conditionally defines HAS\_SETNETENT if setnent() is

?S: available.

?S:.

?C:HAS\_SETNETENT:

?C: This symbol, if defined, indicates that the setnetent() routine is

?C: available.

?C:.

?H:#\$d\_setnent HAS\_SETNETENT /\*\*/

?H:.

?LINT:set d\_setnent

: see if setnetent exists

set

setnetent d\_setnent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setnent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setnent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$

?RCS:

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?RCS:

?RCS: \$Log: d\_setnent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setnent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setnent:

?S: This variable conditionally defines HAS\_SETHOSTENT if sethostent() is

?S: available.

?S:.

?C:HAS\_SETHOSTENT:

?C: This symbol, if defined, indicates that the sethostent() routine is

?C: available.

?C:.

?H:#\$d\_setnent HAS\_SETHOSTENT /\*\*/

?H:.

?LINT:set d\_setnent

: see if sethostent exists

set

sethostent d\_setnent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_sethent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_shmat.U,v 3.0.1.3 1995/07/25 14:04:23 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_shmat.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 14:04:23 ram

?RCS: patch56: use findhdr to find <sys/shm.h>, to get the right one (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:18:56 ram

?RCS: patch27: added new symbol HAS\_SHMAT\_PROTOTYPE (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:54:18 ram

?RCS: patch23: new Shmat\_t symbol to declare return type of shmat()

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:18 ram

?RCS: Baseline for dist 3.0 worldwide

release.

?RCS:

?MAKE:d\_shmat shmattype d\_shmatprototype: Inlibc cat +cc +ccflags \  
rm cppstdin cppflags cppminus Findhdr Setvar contains

?MAKE: -pick add \$@ %<

?S:d\_shmat:

?S: This variable conditionally defines the HAS\_SHMAT symbol, which

?S: indicates to the C program that the shmat() routine is available.

?S:.

?S:shmattype:

?S: This symbol contains the type of pointer returned by shmat().

?S: It can be 'void \*' or 'char \*'.

?S:.

?S:d\_shmatprototype:

?S: This variable conditionally defines the HAS\_SHMAT\_PROTOTYPE

?S: symbol, which indicates that sys/shm.h has a prototype for

?S: shmat.

?S:.

?C:HAS\_SHMAT:

?C: This symbol, if defined, indicates that the shmat() routine is



?C: available to attach a shared memory segment to the process space.

?C:.

?C:Shmat\_t:

?C: This symbol holds the return type of the shmat() system call.

?C: Usually set to 'void \*' or 'char \*'.

?C:.

?C:HAS\_SHMAT\_PROTOTYPE:

?C: This symbol, if defined, indicates that the sys/shm.h includes

?C: a prototype for shmat().

Otherwise, it is up to the program to

?C: guess one. Shmat\_t shmat(int, Shmat\_t, int) is a good guess,

?C: but not always right so it should be emitted by the program only

?C: when HAS\_SHMAT\_PROTOTYPE is not defined to avoid conflicting defs.

?C:.

```
?H:#$d_shmat HAS_SHMAT /**/
```

```
?H:#define Shmat_t $shmattype /**/
```

```
?H:#$d_shmatprototype HAS_SHMAT_PROTOTYPE /**/
```

```
?H:.
```

```
?LINT:set d_shmat d_shmatprototype
```

```
?T:xxx
```

```
: see if shmat exists
```

```
set shmat d_shmat
```

```
eval $inlibc
```

```
: see what shmat returns
```

```
case "$d_shmat" in
```

```
"$define")
```

```
$cat >shmat.c <<'END'
```

```
#include <sys/shm.h>
```

```
void *shmat();
```

```
END
```

```
if $cc $ccflags -c shmat.c >/dev/null 2>&1; then
```

```
shmattype='void *'
```

```
else
```

```
shmattype='char *'
```

```
fi
```

```
echo "and it returns ($shmattype)." >&4
```

```
: see if a prototype for shmat is available
```

```
xxx=`./findhdr sys/shm.h`
```

```
$cppstdin $cppflags $cppminus < $xxx > shmat.c 2>/dev/null
```

```
if $contains 'shmat.*(' shmat.c >/dev/null 2>&1; then
```

```
val="$define"
```

```
else
```

```
val="$undef"
```

```
fi
```

```
$rm -f shmat.[co]
```

```
::
```

```
*)
```

```
val="$undef"
```

```
;;
esac
set
d_shmatprototype
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_shmat.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_malloc.U,v 3.5 2008/03/29 14:06:51 merijn Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 2008, H.Merijn Brand
```

```
?RCS:
```

```
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```

```
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```

```
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```

```
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```

```
?RCS: of the source tree for dist 3.5.
```

```
?RCS:
```

```
?MAKE:i_mallocmalloc: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_mallocmalloc:
```

```
?S: This variable conditionally defines the I_MALLOCMALLOC symbol,
```

```
?S: and indicates whether a C program should include <malloc/malloc.h>.
```

```
?S:.
```

```
?C:I_MALLOCMALLOC:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <malloc/malloc.h>.
```

```
?C:.
```

```
?H:#$i_mallocmalloc I_MALLOCMALLOC /**/
```

```
?H:.
```

```
?LINT:set i_mallocmalloc
```

```
: see if malloc/malloc.h has to be included
```

```
set malloc/malloc.h i_mallocmalloc
```

```
eval
```

```
$inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_mallocmalloc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: nis.U,v 3.0.1.3 1997/02/28 16:17:38 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: nis.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 16:17:38 ram  
?RCS: patch61: ensure suitable defaults for hostcat and friends  
?RCS:  
?RCS: Revision 3.0.1.2 1995/03/21 08:48:34 ram  
?RCS: patch52: continued fix for NeXT NIS/NetInfo handling  
?RCS:  
?RCS: Revision 3.0.1.1 1995/02/15 14:16:23 ram  
?RCS: patch51: now correctly handles NeXT using NIS rather than NetInfo  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:24 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:passcat  
groupcat hostcat: Myread Oldconfig test contains  
?MAKE: -pick add \$@ %<  
?S:passcat:  
?S: This variable contains a command that produces the text of the  
?S: /etc/passwd file. This is normally "cat /etc/passwd", but can be  
?S: "ypcat passwd" when NIS is used.  
?S: On some systems, such as os390, there may be no equivalent  
?S: command, in which case this variable is unset.  
?S:.  
?S:groupcat:  
?S: This variable contains a command that produces the text of the  
?S: /etc/group file. This is normally "cat /etc/group", but can be  
?S: "ypcat group" when NIS is used.  
?S: On some systems, such as os390, there may be no equivalent  
?S: command, in which case this variable is unset.  
?S:.  
?S:hostcat:  
?S: This variable contains a command that produces the text of the  
?S: /etc/hosts file. This is normally "cat /etc/hosts", but can be  
?S: "ypcat hosts" when NIS is used.  
?S: On some systems, such as os390, there may be no equivalent  
?S: command, in which case this variable is unset.  
?S:.  
:  
see if we have to deal with yellow pages, now NIS.  
?X: NeXT gives us some fun here, as always, by having both NIS (former YP)  
?X: and NetInfo. But since it has both, it's ok to put the test inside the if.  
?X: Contributed by Thomas Neumann <tom@smart.bo.open.de>.

```

if $test -d /usr/etc/yp || $test -d /etc/yp || $test -d /usr/lib/yp; then
@if passcat || groupcat
case "$passcat" in
nidump*) ;;
*)
case "$passcat" in
*yecat*) dflt=y;;
") if $contains '\+' /etc/passwd >/dev/null 2>&1; then
dflt=y
else
dflt=n
fi;;
*) dflt=n;;
esac
echo " "
rp='Are you getting the passwd file via yellow pages?'
./myread
case "$ans" in
y*) passcat='yecat passwd'
@if groupcat
echo "(Assuming /etc/group is also distributed.)"
groupcat='yecat group'
@end
;;
*) passcat='cat /etc/passwd'
@if groupcat
echo "(Assuming /etc/group is also local.)"
groupcat='cat /etc/group'
@end
;;
esac
;;
esac
@end
@if hostcat
case "$hostcat" in
nidump*) ;;
*)
case
"$hostcat" in
*yecat*) dflt=y;;
") if $contains '\+' /etc/passwd >/dev/null 2>&1; then
dflt=y
else
dflt=n
fi;;
*) dflt=n;;
esac

```

```

echo " "
rp='Are you getting the hosts file via yellow pages?'
./myread
case "$ans" in
y*) hostcat='ypcat hosts';;
*) hostcat='cat /etc/hosts';;
esac
;;
esac
@end
fi
?X: Ensure suitable default -- Manoj Srivastava
case "$hostcat" in
") test -f /etc/hosts && hostcat='cat /etc/hosts';;
esac
case "$groupcat" in
") test -f /etc/group && groupcat='cat /etc/group';;
esac
case "$passcat" in
") test -f /etc/passwd && passcat='cat /etc/passwd';;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/nis.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_asctime\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_asctime\_r asctime\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_time i\_system extern\_C

?MAKE: -pick add \$@ %<

?S:d\_asctime\_r:

?S: This variable conditionally defines the HAS\_ASCTIME\_R symbol,

?S: which indicates to the C program that the asctime\_r()

?S: routine is available.

?S:.

?S:asctime\_r\_proto:

?S: This variable encodes the prototype of asctime\_r.

?S: It is zero if d\_asctime\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_asctime\_r

?S: is defined.

```

?S:.
?C:HAS_ASCTIME_R:
?C: This symbol, if defined, indicates that the asctime_r routine
?C: is available to asctime
re-entrantly.
?C:.
?C:ASCTIME_R_PROTO:
?C: This symbol encodes the prototype of asctime_r.
?C: It is zero if d_asctime_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_asctime_r
?C: is defined.
?C:.
?H:#$d_asctime_r HAS_ASCTIME_R /**/
?H:#define ASCTIME_R_PROTO $asctime_r_proto /**/
?H:.
?T:try hdrs d_asctime_r_proto
: see if asctime_r exists
set asctime_r d_asctime_r
eval $inlibc
case "$d_asctime_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_time time.h $i_systime sys/time.h"
case "$d_asctime_r_proto:$usethreads" in
":define") d_asctime_r_proto=define
set d_asctime_r_proto asctime_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_asctime_r_proto" in
define)
case "$asctime_r_proto" in
"|0) try='char* asctime_r(const struct tm*, char*);'
./protochk "$extern_C $try" $hdrs && asctime_r_proto=B_SB ;;
esac
case "$asctime_r_proto" in
"|0) try='char* asctime_r(const struct tm*, char*, int);'
./protochk "$extern_C $try" $hdrs
&& asctime_r_proto=B_SBI ;;
esac
case "$asctime_r_proto" in
"|0) try='int asctime_r(const struct tm*, char*);'
./protochk "$extern_C $try" $hdrs && asctime_r_proto=I_SB ;;
esac
case "$asctime_r_proto" in
"|0) try='int asctime_r(const struct tm*, char*, int);'
./protochk "$extern_C $try" $hdrs && asctime_r_proto=I_SBI ;;
esac
case "$asctime_r_proto" in

```

```

"|0) d_asctime_r=undef
asctime_r_proto=0
echo "Disabling asctime_r, cannot determine prototype." >&4 ;;
*) case "$asctime_r_proto" in
REENTRANT_PROTO*) ;;
*) asctime_r_proto="REENTRANT_PROTO_$asctime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "asctime_r has no prototype, not using it." >&4 ;;
esac
d_asctime_r=undef
asctime_r_proto=0
;;
esac
;;
*) asctime_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_asctime\_r.U

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?RCS: \$Id\$

?RCS:

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?RCS:

?MAKE:d\_class: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_class:

?S: This variable conditionally defines the HAS\_CLASS symbol, which

?S: indicates to the C program that the class() routine is available.

?S:.

?C:HAS\_CLASS:

?C: This symbol, if defined, indicates that the class routine is

?C: available to classify doubles. Available for example in AIX.

?C: The returned values are defined in <float.h> and are:

?C:

?C: FP\_PLUS\_NORM Positive normalized, nonzero

?C: FP\_MINUS\_NORM Negative normalized, nonzero

?C: FP\_PLUS\_DENORM Positive denormalized, nonzero

?C: FP\_MINUS\_DENORM Negative denormalized, nonzero

?C: FP\_PLUS\_ZERO +0.0

?C: FP\_MINUS\_ZERO -0.0

?C: FP\_PLUS\_INF +INF

?C: FP\_MINUS\_INF -INF

?C: FP\_NANS Signaling

Not a Number (NaNS)

?C: FP\_NANQ Quiet Not a Number (NaNQ)

?C:.

?H:#\$d\_class HAS\_CLASS /\*\*/

?H:.

?LINT:set d\_class

: see if class exists

set class d\_class

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_class.U

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?RCS:

?MAKE:usequadmath: Setvar cat uselongdouble

?MAKE: -pick add \$@ %<

?S:usequadmath:

?S: This variable conditionally defines the USE\_QUADMATH symbol,

?S: and indicates that the quadmath library \_\_float128 long doubles

?S: should be used when available.

?S:.

?C:USE\_QUADMATH:

?C: This symbol, if defined, indicates that the quadmath library should

?C: be used when available.

?C:.

?H:?%<:#ifndef USE\_QUADMATH

?H:?%<:#\$usequadmath USE\_QUADMATH /\*\*/

?H:?%<:#endif

?H:.

: Check if quadmath is requested

case "\$usequadmath" in

"\$define"|true[[yY]\*) usequadmath="\$define" ;;

\*) usequadmath="\$undef" ;;

esac

: Fail if both uselongdouble and usequadmath are requested

case "\$usequadmath:\$uselongdouble" in

define:define)



\$cat <<EOM >&4

\*\*\* You requested the use of  
the quadmath library and use  
\*\*\* of long doubles.

\*\*\*

\*\*\* Please select one or the other.

EOM

exit 1

::

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usequadmath.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libpth.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 16:08:49 ram

?RCS: patch61: new loclibpth variable

?RCS:

?RCS: Revision 3.0.1.5 1995/01/11 15:31:30 ram

?RCS: patch45: call ./mips instead of just mips (WED)

?RCS:

?RCS: Revision 3.0.1.4 1994/08/29 16:29:15 ram

?RCS: patch32: added /lib/pa1.1 for HP-UX specially tuned PA-RISC libs (ADO)

?RCS: patch32: fixed information message, making it clearer (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/06/20 07:03:54 ram

?RCS: patch30: added /usr/shlib to  
glibpth for shared-only libraries

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:26:57 ram

?RCS: patch27: fixed a typo (libpth -> glibpth)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:07:53 ram

?RCS: patch23: now asks for library directories to be searched (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit initializes the path for C library lookup.

?X:

?MAKE:libpth glibpth xlibpth plibpth loclibpth: \  
usrinc incpath test cat Myread Oldconfig

?MAKE: -pick add \$@ %<

?S:libpth:

?S: This variable holds the general path (space-separated) used to find  
?S: libraries. It is intended to be used by other units.

?S:.

?S:glibpth:

?S: This variable holds the general path (space-separated) used to  
?S: find libraries. It may contain directories that do not exist on  
?S: this platform, libpth is the cleaned-up version.

?S:.

?S:xlibpth:

?S: This variable holds extra path (space-separated) used to find  
?S: libraries on this platform,  
?S: for example CPU-specific libraries  
?S: (on multi-CPU platforms) may be listed here.

?S:.

?S:loclibpth:

?S: This variable holds the paths (space-separated) used to find local  
?S: libraries. It is prepended to libpth, and is intended to be easily  
?S: set from the command line.

?S:.

?S:plibpth:

?S: Holds the private path used by Configure to find out the libraries.  
?S: Its value is prepend to libpth. This variable takes care of special  
?S: machines, like the mips. Usually, it should be empty.

?S:.

?T: xxx dlist

?LINT:use usrinc

?INIT:: change the next line if compiling for Xenix/286 on Xenix/386

?INIT:xlibpth='/usr/lib/386 /lib/386'

?INIT:: Possible local library directories to search.

?INIT:loclibpth="/usr/local/lib /opt/local/lib /usr/gnu/lib"

?INIT:loclibpth="\$loclibpth /opt/gnu/lib /usr/GNU/lib /opt/GNU/lib"

?INIT:

?INIT:: general looking path for locating libraries

?INIT:glibpth="/lib /usr/lib \$xlibpth"

?INIT:glibpth="\$glibpth /usr/ccs/lib /usr/ucblib /usr/local/lib"

?X: /shlib

is for Digital Unix 4.0

?X: /usr/shlib is for OSF/1 systems.

```

?INIT:test -f /usr/shlib/libc.so && glibpth="/usr/shlib $glibpth"
?INIT:test -f /shlib/libc.so && glibpth="/shlib $glibpth"
?INIT:
?INIT:: Private path used by Configure to find libraries. Its value
?INIT:: is prepended to libpth. This variable takes care of special
?INIT:: machines, like the mips. Usually, it should be empty.
?INIT:pplibpth="
?INIT:
: Set private lib path
case "$pplibpth" in
") if ./mips; then
?X: on mips, we DO NOT want /lib, and we want $incpath/usr/lib
  pplibpth="$incpath/usr/lib /usr/local/lib /usr/ccs/lib"
  fi;;
esac
case "$libpth" in
') dlist="";
") dlist="$loclibpth $pplibpth $glibpth";;
*) dlist="$libpth";;
esac

: Now check and see which directories actually exist, avoiding duplicates
libpth="
for xxx in $dlist
do
  if $test -d $xxx; then
  case " $libpth " in
  *" $xxx "*) ;;
  *) libpth="$libpth $xxx";;
  esac
  fi
done
$cat <<'EOM'

```

Some systems have incompatible or broken versions of libraries. Among the directories listed in the question below, please remove any you know not to be holding relevant libraries, and add any that are needed. Say "none" for none.

```

EOM
case "$libpth" in
") dflt='none';;
*)
?X: strip leading space
  set X $libpth
  shift
  dflt=${1+"$@"}

```

```
;;
esac
rp="Directories to use for library searches?"
./myread
case "$ans" in
none) libpth='';;
*) libpth="$ans";;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libpth.U
```

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?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:siteman1dir siteman1direxp installsiteman1dir: Getfile \

Setprefixvar prefix siteprefix man1dir sed

?MAKE: -pick add \$@ %<

?Y:TOP

?D:siteman1dir="

?S:siteman1dir:

?S: This variable contains the name of the directory in which site-specific

?S: manual source pages are to be put. It is the responsibility of the

?S: Makefile.SH to get the value of this into the proper command.

?S: You must be prepared to do the ~name expansion yourself.

?S: The standard distribution will put nothing in this directory.

?S: After perl

has been installed, users may install their own local

?S: man1 pages in this directory with

?S: MakeMaker Makefile.PL

?S: or equivalent. See INSTALL for details.

?S:.

?D:siteman1direxp="

?S:siteman1direxp:

?S: This variable is the same as the siteman1dir variable, but is filename

?S: expanded at configuration time, for convenient use in makefiles.

?S:.

?D:installsiteman1dir="

?S:installsiteman1dir:

?S: This variable is really the same as sitemanldir, unless you are using  
?S: AFS in which case it points to the read/write location whereas  
?S: manldir only points to the read-only access location. For extra  
?S: portability, you should only use this variable within your makefiles.  
?S:.

```
?LINT:change prefixvar
?LINT:set installsitemanldir
?LINT:set sitemanldir
?LINT:set sitemanldir
: determine where add-on manual pages go
case "$sitemanldir" in
") dflt=`echo $manldir | $sed "s#^$prefix#$siteprefix#" ` ;;
*) dflt=$sitemanldir ;;
esac
case "$dflt" in
"| ") dflt=none ;;
esac
fn=dn+~
rp='Pathname
where the site-specific manual pages should be installed?'
./getfile
prefixvar=sitemanldir
./setprefixvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitemanldir.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_msem_lck.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_msem_lck.U,v $
?MAKE:d_msem_lck: Inlibc
?MAKE: -pick add $@ %<
?S:d_msem_lck:
?S: This variable conditionally defines HAS_MSEM_LOCK if msem_lock() is
?S: available, thereby indicating kernel support for memory semaphores.
?S:
?C:HAS_MSEM_LOCK:
?C: This symbol, if defined, indicates that memory semaphores are
```

?C: available to protect mmap()'ed regions.

?C:.

?H:#\$d\_msem\_lck HAS\_MSEM\_LOCK /\*\*/

?H:.

?LINT:set d\_msem\_lck

: see if msem\_lock exists

set

msem\_lock d\_msem\_lck

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_msem\_lck.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_syslog.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_syslog: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_syslog:

?S: This variable conditionally defines the I\_SYSLOG symbol,

?S: and indicates whether a C program should include <syslog.h>.

?S:.

?C:I\_SYSLOG:

?C: This symbol, if defined, indicates that <syslog.h> exists and

?C: should be included.

?C:.

?H:#\$i\_syslog I\_SYSLOG /\*\*/

?H:.

?LINT:set i\_syslog

: see if this is a syslog.h system

set syslog.h i\_syslog

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_syslog.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_termio.U,v \$  
?RCS: Revision 3.0.1.4 1994/10/29 16:20:54 ram  
?RCS: patch36: call ./usg and ./Cpplib explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0.1.3 1994/08/29 16:26:38 ram  
?RCS: patch32: don't include all three I\_\* symbols in config.h  
?RCS: patch32: (had forgotten to undo this part last time)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:25:03 ram  
?RCS: patch27: undone ADO's fix in previous patch since it was useless  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 15:05:23  
ram  
?RCS: patch23: now include all three defines in config.h (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:44 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_termio i\_sgty i\_termios: test Inlibc Cpplib Guess Setvar Findhdr Warn  
?MAKE: -pick add \$@ %<  
?S:i\_termio:  
?S: This variable conditionally defines the I\_TERMIO symbol, which  
?S: indicates to the C program that it should include <termio.h> rather  
?S: than <sgty.h>.  
?S:.  
?S:i\_termios:  
?S: This variable conditionally defines the I\_TERMIOS symbol, which  
?S: indicates to the C program that the POSIX <termios.h> file is  
?S: to be included.  
?S:.  
?S:i\_sgty:  
?S: This variable conditionally defines the I\_SGTTY symbol, which  
?S: indicates to the C program that it should include <sgty.h> rather  
?S: than <termio.h>.  
?S:.  
?C:I\_TERMIO:  
?C: This symbol, if defined, indicates that the program should include  
?C: <termio.h> rather than <sgty.h>. There are also differences in  
?C: the ioctl() calls that depend on the value of  
this symbol.  
?C:.  
?C:I\_TERMIOS:

?C: This symbol, if defined, indicates that the program should include

?C: the POSIX termios.h rather than sgtty.h or termio.h.

?C: There are also differences in the ioctl() calls that depend on the

?C: value of this symbol.

?C:.

?C:I\_SGTTY:

?C: This symbol, if defined, indicates that the program should include

?C: <sgtty.h> rather than <termio.h>. There are also differences in

?C: the ioctl() calls that depend on the value of this symbol.

?C:.

?H:#\$i\_termio I\_TERMIO /\*\*/

?H:#\$i\_termios I\_TERMIOS /\*\*/

?H:#\$i\_sgtty I\_SGTTY /\*\*/

?H:.

?T:val2 val3

?LINT:set i\_termio i\_sgtty i\_termios

: see if this is a termio system

val="\$undef"

val2="\$undef"

val3="\$undef"

?X: Prefer POSIX-approved termios.h over all else

if \$test `./findhdr termios.h`; then

set tcsetattr i\_termios

eval \$inlibc

val3="\$i\_termios"

fi

echo " "

case "\$val3" in

"\$define") echo "You have POSIX termios.h... good!" >&4;;

\*) if ./Cppsym pyr; then

case "`/bin/universe`" in

ucb) if \$test `./findhdr

sgtty.h`; then

val2="\$define"

echo "<sgtty.h> found." >&4

else

echo "System is pyramid with BSD universe."

./warn "<sgtty.h> not found--you could have problems."

fi;;

\*) if \$test `./findhdr termio.h`; then

val="\$define"

echo "<termio.h> found." >&4

else

echo "System is pyramid with USG universe."

./warn "<termio.h> not found--you could have problems."

fi;;

esac

?X: Start with USG to avoid problems if both usg/bsd was guessed



```

elif ./usg; then
if $test `./findhdr termio.h`; then
echo "<termio.h> found." >&4
val="$define"
elif $test `./findhdr sgTTY.h`; then
echo "<sgTTY.h> found." >&4
val2="$define"
else
./warn "Neither <termio.h> nor <sgTTY.h> found--cross fingers!"
fi
else
if $test `./findhdr sgTTY.h`; then
echo "<sgTTY.h> found." >&4
val2="$define"
elif $test `./findhdr termio.h`; then
echo "<termio.h> found." >&4
val="$define"
else
./warn "Neither <sgTTY.h> nor <termio.h> found--cross
fingers!"
fi
fi;;
esac
set i_termio; eval $setvar
val=$val2; set i_sgTTY; eval $setvar
val=$val3; set i_termios; eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_termio.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_finitel: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_finitel:

?S: This variable conditionally defines the HAS\_FINITEL symbol, which

?S: indicates to the C program that the finitel() routine is available.

?S:.

?C:HAS\_FINITEL:

?C: This symbol, if defined, indicates that the finitel routine is

?C: available to check whether a long double is finite

?C: (non-infinity non-NaN).

?C:.

?H:#\$d\_finitel HAS\_FINITEL /\*\*/

?H:.

?LINT:set d\_finitel

: see if finitel exists

set finitel d\_finitel

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_finitel.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_statvfs d\_fstatvfs: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_statvfs:

?S: This variable conditionally defines the HAS\_STATVFS symbol, which

?S: indicates to the C program that the statvfs() routine is available.

?S:.

?S:d\_fstatvfs:

?S: This variable conditionally defines the HAS\_FSTATVFS symbol, which

?S: indicates to the C program that the fstatvfs() routine is available.

?S:.

?C:HAS\_STATVFS:

?C: This symbol, if defined, indicates that the statvfs routine is

?C: available to stat filesystems by filenames.

?C:.

?C:HAS\_FSTATVFS:

?C: This symbol, if defined, indicates that the fstatvfs routine is

?C: available to stat filesystems by file descriptors.

?C:.

?H:#\$d\_statvfs HAS\_STATVFS /\*\*/

?H:#\$d\_fstatvfs

HAS\_FSTATVFS /\*\*/

?H:.

?LINT:set d\_statvfs

?LINT:set d\_fstatvfs

: see if statvfs exists

set statvfs d\_statvfs

eval \$inlibc

```
: see if fstatvfs exists
set fstatvfs d_fstatvfs
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_statvfs.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setpgrp2.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_setpgrp2.U,v $
```

```
?RCS: Revision 3.0 1993/08/18 12:07:10 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:d_setpgrp2: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_setpgrp2:
```

```
?S: This variable conditionally defines the HAS_SETPGRP2 symbol, which
```

```
?S: indicates to the C program that the setpgrp2() (as in DG/UX) routine
```

```
?S: is available to set the current process group.
```

```
?S:.
```

```
?C:HAS_SETPGRP2 (SETPGRP2):
```

```
?C: This symbol, if defined, indicates that the
```

```
setpgrp2() (as in DG/UX)
```

```
?C: routine is available to set the current process group.
```

```
?C:.
```

```
?H:#$d_setpgrp2 HAS_SETPGRP2 /**/
```

```
?H:.
```

```
?LINT:set d_setpgrp2
```

```
: see if setpgrp2 exists
```

```
set setpgrp2 d_setpgrp2
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_setpgrp2.U
```

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2016 Dagfinn Ilmari Mannsker & H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_siginfo\_si\_errno d\_siginfo\_si\_pid d\_siginfo\_si\_uid d\_siginfo\_si\_addr d\_siginfo\_si\_status

d\_siginfo\_si\_band d\_siginfo\_si\_value d\_siginfo\_si\_fd: d\_sigaction pidtype uidtype Hasfield\_t

?MAKE: -pick add \$@ %<

?S:d\_siginfo\_si\_errno:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_ERRNO symbol,

?S: which indicates that the siginfo\_t struct has the si\_errno member.

?S:.

?S:d\_siginfo\_si\_pid:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_PID symbol,

?S: which indicates that the siginfo\_t struct has the si\_pid member.

?S:.

?S:d\_siginfo\_si\_uid:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_UID symbol,

?S: which indicates that the siginfo\_t struct has the si\_uid member.

?S:.

?S:d\_siginfo\_si\_addr:

?S: This

variable conditionally defines the HAS\_SIGINFO\_SI\_ADDR symbol,

?S: which indicates that the siginfo\_t struct has the si\_addr member.

?S:.

?S:d\_siginfo\_si\_status:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_STATUS symbol,

?S: which indicates that the siginfo\_t struct has the si\_status member.

?S:.

?S:d\_siginfo\_si\_band:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_BAND symbol,

?S: which indicates that the siginfo\_t struct has the si\_band member.

?S:.

?S:d\_siginfo\_si\_value:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_VALUE symbol,

?S: which indicates that the siginfo\_t struct has the si\_value member.

?S:.

?S:d\_siginfo\_si\_fd:

?S: This variable conditionally defines the HAS\_SIGINFO\_SI\_FD symbol,

?S: which indicates that the siginfo\_t struct has the si\_fd member.

?S:.

?C:HAS\_SIGINFO\_SI\_ERRNO:

?C: This symbol, if defined, indicates that siginfo\_t has the

?C: si\_errno member

?C:.

?C:HAS\_SIGINFO\_SI\_PID:

?C: This

```

symbol, if defined, indicates that siginfo_t has the
?C: si_pid member
?C:.
?C:HAS_SIGINFO_SI_UID:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_uid member
?C:.
?C:HAS_SIGINFO_SI_ADDR:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_addr member
?C:.
?C:HAS_SIGINFO_SI_STATUS:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_status member
?C:.
?C:HAS_SIGINFO_SI_BAND:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_band member
?C:.
?C:HAS_SIGINFO_SI_VALUE:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_value member
?C:.
?C:HAS_SIGINFO_SI_FD:
?C: This symbol, if defined, indicates that siginfo_t has the
?C: si_fd member
?C:.
?H:#$d_siginfo_si_errno HAS_SIGINFO_SI_ERRNO /**/
?H:#$d_siginfo_si_pid HAS_SIGINFO_SI_PID /**/
?H:#$d_siginfo_si_uid HAS_SIGINFO_SI_UID /**/
?H:#$d_siginfo_si_addr HAS_SIGINFO_SI_ADDR /**/
?H:#$d_siginfo_si_status HAS_SIGINFO_SI_STATUS /**/
?H:#$d_siginfo_si_band HAS_SIGINFO_SI_BAND /**/
?H:#$d_siginfo_si_value HAS_SIGINFO_SI_VALUE /**/
?H:#$d_siginfo_si_fd HAS_SIGINFO_SI_FD /**/
?H:.
:
see what siginfo fields we have
case "$d_sigaction" in
"$define")
echo "Checking if your siginfo_t has si_errno field...">&4
set d_siginfo_si_errno siginfo_t int si_errno $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_pid field...">&4
set d_siginfo_si_pid siginfo_t $pidtype si_pid $d_sigaction signal.h
eval $hasfield_t;

```

```

echo "Checking if your siginfo_t has si_uid field...">&4
set d_siginfo_si_uid siginfo_t $uidtype si_uid $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_addr field...">&4
set d_siginfo_si_addr siginfo_t "void *" si_addr $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_status field...">&4
set d_siginfo_si_status siginfo_t int si_status $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_band field...">&4
set
d_siginfo_si_band siginfo_t long si_band $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_value field...">&4
set d_siginfo_si_value siginfo_t "union sigval" si_value $d_sigaction signal.h
eval $hasfield_t;

echo "Checking if your siginfo_t has si_fd field...">&4
set d_siginfo_si_fd siginfo_t int si_fd $d_sigaction signal.h
eval $hasfield_t;

;;
*)
d_siginfo_si_errno="$undef"
d_siginfo_si_pid="$undef"
d_siginfo_si_uid="$undef"
d_siginfo_si_addr="$undef"
d_siginfo_si_status="$undef"
d_siginfo_si_band="$undef"
d_siginfo_si_value="$undef"
d_siginfo_si_fd="$undef"
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_siginfo_si.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endservent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_endservent\_r endservent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_endservent\_r:  
?S: This variable conditionally defines the HAS\_ENDSERVENT\_R symbol,  
?S: which indicates to the C program that the endservent\_r()  
?S: routine is available.  
?S:.  
?S:endservent\_r\_proto:  
?S: This variable encodes the prototype of endservent\_r.  
?S: It is zero if d\_endservent\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endservent\_r  
?S: is defined.  
?S:.  
?C:HAS\_ENDSERVENT\_R:  
?C: This symbol, if defined, indicates that the endservent\_r routine  
?C: is  
available to endservent re-entrantly.  
?C:.  
?C:ENDSERVENT\_R\_PROTO:  
?C: This symbol encodes the prototype of endservent\_r.  
?C: It is zero if d\_endservent\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endservent\_r  
?C: is defined.  
?C:.  
?H:#\$d\_endservent\_r HAS\_ENDSERVENT\_R /\*\*/  
?H:#define ENDSERVENT\_R\_PROTO \$endservent\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_endservent\_r\_proto  
: see if endservent\_r exists  
set endservent\_r d\_endservent\_r  
eval \$inlibc  
case "\$d\_endservent\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_endservent\_r\_proto:\$usethreads" in  
":define") d\_endservent\_r\_proto=define  
set d\_endservent\_r\_proto endservent\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_endservent\_r\_proto" in  
define)  
case "\$endservent\_r\_proto" in  
"|0) try='int endservent\_r(struct servent\_data\*);'

```

./protochk "$extern_C $try" $hdrs && endservent_r_proto=I_D ;;
esac
case "$endservent_r_proto" in
"|0) try='void endservent_r(struct
servent_data*);'
./protochk "$extern_C $try" $hdrs && endservent_r_proto=V_D ;;
esac
case "$endservent_r_proto" in
"|0) d_endservent_r=undef
endservent_r_proto=0
echo "Disabling endservent_r, cannot determine prototype." >&4 ;;
* ) case "$endservent_r_proto" in
REENTRANT_PROTO*) ;;
*) endservent_r_proto="REENTRANT_PROTO_$endservent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "endservent_r has no prototype, not using it." >&4 ;;
esac
d_endservent_r=undef
endservent_r_proto=0
;;
esac
;;
*) endservent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_endservent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: perl5.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Andrew Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: perl5.U,v \$

?RCS:

?X:

?X: The purpose of this unit is to locate a previously installed

?X: version of perl5 suitable for running inc\_version\_list.U.

?X: We check for 5.005 and later because inc\_version\_list is



?X: irrelevant for earlier versions.

?X:

?MAKE:perl5: path\_sep binexp test sed exe\_ext

?MAKE: -pick add \$@ %<

?Y:TOP

?S:perl5:

?S: This variable contains the full path (if any) to a previously

?S: installed perl5.005 or later suitable for running the script

?S: to determine inc\_version\_list.

?S:.

?T: tdir

: Find perl5.005 or later.

echo "Looking for a previously installed perl5.005 or later... "

case "\$perl5" in

) for tdir in `echo "\$binexp\$path\_sep\$PATH" | \$sed "s/\$path\_sep/

/g"; do

: Check if this perl is recent and can load a simple module

if \$test -x \$tdir/perl\$exe\_ext && \$tdir/perl -Mless -e 'use 5.005;' >/dev/null 2>&1; then

perl5=\$tdir/perl

break;

elif \$test -x \$tdir/perl5\$exe\_ext && \$tdir/perl5 -Mless -e 'use 5.005;' >/dev/null 2>&1; then

perl5=\$tdir/perl5

break;

fi

done

::

\*) perl5="\$perl5"

::

esac

case "\$perl5" in

) echo "None found. That's ok.";;

\*) echo "Using \$perl5." ;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/perl5.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_memset.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:  
?RCS: \$Log: d\_memset.U,v \$  
?RCS: Revision 3.0.1.1 1993/09/13 16:03:11 ram  
?RCS: patch10: removed text recommending bzero over memset (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:36 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_memset: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_memset:  
?S: This variable conditionally defines the HAS\_MEMSET symbol, which  
?S: indicates to the C program that the memset() routine is available  
?S: to set blocks of memory.  
?S:.  
?C:HAS\_MEMSET  
(MEMSET):  
?C: This symbol, if defined, indicates that the memset routine is available  
?C: to set blocks of memory.  
?C:.  
?H:#\$d\_memset HAS\_MEMSET /\*\*/  
?H:.  
?LINT:set d\_memset  
: see if memset exists  
set memset d\_memset  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memset.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: startperl.U,v 3.0 1993/08/18 12:09:50 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: This file is included with or a derivative work of a file included  
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.  
?RCS: In accordance with clause 7 of dist's modified Artistic License:  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: \$Log: startperl.U,v \$  
?RCS: Perl5 version -- I always have d\_portable=define.  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:50 ram  
?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?MAKE:startperl: cat Myread sharpbang initialinstalllocation test \
  versiononly version
?MAKE: -pick add $@ %<
?Y:TOP
?X: This is different from dist's standard startperl.U unit because
?X: we can't directly test #!/usr/local/bin/perl (or
  whatever) because
?X: we haven't built and installed perl yet.
?S:startperl:
?S: This variable contains the string to put on the front of a perl
?S: script to make sure (hopefully) that it runs with perl and not some
?S: shell. Of course, that leading line must be followed by the classical
?S: perl idiom:
?S: eval 'exec perl -S $0 ${1+"$@"}'
?S: if $running_under_some_shell;
?S: to guarantee perl startup should the shell execute the script. Note
?S: that this magic incantation is not understood by csh.
?S:.
?C:STARTPERL:
?C: This variable contains the string to put in front of a perl
?C: script to make sure (one hopes) that it runs with perl and not
?C: some shell.
?C:.
?H:#define STARTPERL "$startperl" /**/
?H:.
: figure out how to guarantee perl startup
: XXX Note that this currently takes advantage of the bug that binexp ignores
:   the Configure -Dinstallprefix setting, which in turn means that under
:   relocatable @INC, initialinstalllocation is what binexp started as.
case
"$startperl" in
")
case "$sharpbang" in
*)
$cat <<EOH

```

I can use the #! construct to start perl on your system. This will make startup of perl scripts faster, but may cause problems if you want to share those scripts and perl is not in a standard place (\$initialinstalllocation/perl) on all your platforms. The alternative is to force a shell by starting the script with a single ':' character.

```

EOH
case "$versiononly" in
"$define") dflt="$initialinstalllocation/perl$version";
*) dflt="$initialinstalllocation/perl";
esac

```

```
rp='What shall I put after the #! to start up perl ("none" to not use #!)?'
./myread
case "$ans" in
none) startperl=": # use perl";;
*) startperl="#!/$ans"
if $test 30 -lt `echo "$ans" | wc -c`; then
$cat >&4 <<EOM
```

WARNING: Some systems limit the #! command to 32 characters.  
If you experience difficulty running Perl scripts with #!, try  
installing Perl in a directory with a shorter pathname.

```
EOM
fi ;;
esac
;;
*)
startperl=": # use perl"
;;
esac
;;
esac
echo "I'll use $startperl to start perl scripts."
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/startperl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endsent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endsent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endsent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endsent:
?S: This variable conditionally defines HAS_ENDSERVENT if endservent() is
?S: available to close whatever was being used for service queries.
```

?S:.

?C:HAS\_ENDSERVENT:

?C: This symbol, if defined, indicates that the endservent() routine is

?C: available to close whatever was being used for  
service queries.

?C:.

?H:#\$d\_endsent HAS\_ENDSERVENT /\*\*/

?H:.

?LINT:set d\_endsent

: see if endservent exists

set endservent d\_endsent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_endsent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_quad quadtype uquadtype quadkind: \  
longsize intsize d\_longlong longlongsize d\_int64\_t \  
Inhdr Setvar

?MAKE: -pick add \$@ %<

?S:d\_quad:

?S: This variable, if defined, tells that there's a 64-bit integer type,

?S: quadtype.

?S:.

?S:quadtype:

?S: This variable defines Quad\_t to be something like long, int,

?S: long long, int64\_t, or whatever type is used for 64-bit integers.

?S:.

?S:quadkind:

?S: This variable, if defined, encodes the type of a quad:

?S: 1 = int, 2 = long, 3 = long long, 4 = int64\_t.

?S:.

?S:uquadtype:

?S: This variable defines Uquad\_t to be something like unsigned long,

?S: unsigned int, unsigned long long, uint64\_t, or whatever type is

?S: used for 64-bit integers.

?S:.

?C:HAS\_QUAD:

?C: This

```

symbol, if defined, tells that there's a 64-bit integer type,
?C: Quad_t, and its unsigned counterpart, Uquad_t. QUADKIND will be one
?C: of QUAD_IS_INT, QUAD_IS_LONG, QUAD_IS_LONG_LONG, QUAD_IS_INT64_T,
?C: or QUAD_IS__INT64.
?C:.
?H:#$d_quad HAS_QUAD /**/
?H:?%<:#ifdef HAS_QUAD
?H:?%<:# define Quad_t $quadtype /**/
?H:?%<:# define Uquad_t $uquadtype /**/
?H:?%<:# define QUADKIND $quadkind /**/
?H:?%<:# define QUAD_IS_INT 1
?H:?%<:# define QUAD_IS_LONG 2
?H:?%<:# define QUAD_IS_LONG_LONG 3
?H:?%<:# define QUAD_IS_INT64_T 4
?H:?%<:# define QUAD_IS__INT64 5
?H:?%<:#endif
?H:.
?LINT:set quadtype
?LINT:set uquadtype
: Check if 64bit ints have a quad type
echo " "
echo "Checking which 64-bit integer type we could use..." >&4
?X: We prefer quad types in order of int, long, long long, int64_t.

```

```

case "$intsize" in
8) val=int
set quadtype
eval $setvar
val="unsigned int"
set uquadtype
eval $setvar
quadkind=1
;;
*) case "$longsize" in
8)
val=long
set quadtype
eval $setvar
val="unsigned long"
set uquadtype
eval $setvar
quadkind=2
;;
*) case "$d_longlong:$longlongsize" in
define:8)
val="long long"
set quadtype
eval $setvar

```

```

val="unsigned long long"
set uquadtype
eval $setvar
quadkind=3
;;
*) case "$d_int64_t" in
define)
val=int64_t
set quadtype
eval $setvar
val=uint64_t
set uquadtype
eval $setvar
quadkind=4
;;
esac
;;
esac
;;
esac
;;
esac

```

```

case "$quadtype" in
") echo "Alas, no 64-bit integer types in sight." >&4
d_quad="$sundef"
;;
*) echo "We could use '$quadtype' for 64-bit integers." >&4
d_quad="$sdefine"
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/a_dvisory/quadtype.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: End.U,v \$

?RCS: Revision 3.0 1993/08/18 12:04:51 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit serves as the goal which forces make to choose all the units that  
?X: ask questions. The \$W on the ?MAKE: line is the list of all symbols wanted.  
?X: To force any unit to be included, copy this unit to your private U directory  
?X: and add the name of the unit desired to the ?MAKE: dependency line.  
?X:  
?MAKE:End: \$W  
?MAKE: -pick add \$@ %<  
?LINT:use \$W  
: end of configuration  
questions  
echo " "  
echo "End of configuration questions."

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/End.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Setvar.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Setvar.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 15:58:28 ram  
?RCS: patch36: call ./whoa explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:16 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit produces a variable that is intended to be eval'ed in  
?X: order to define/undefine a symbol. A consistency check is made  
?X: regarding any previous value and a warning is issued if there  
?X: is any discrepancy.  
?X:  
?X:  
To use it, say:  
?X: val=<value>



```

?X: set d_variable
?X: eval $setvar
?X:
?MAKE:Setvar: Whoa
?MAKE: -pick add $@ %<
?LINT:define setvar
?S:setvar:
?S: This shell variable is used internally by Configure to set a value
?S: to a given symbol that is defined or not. A typical use is:
?S: val=<value computed>
?S: set d_variable
?S: eval $setvar
?S: That will print a message in case the $val value is not the same
?S: as the previous value of $d_variable.
?S:.
?V:setvar:val
?T:var was td tu
: function used to set '$1' to '$val'
setvar='var=$1; eval "was=\$$1"; td=$define; tu=$undef;
case "$val$was" in
$define$undef) . ./whoa; eval "$var=\$td";;
$undef$define) . ./whoa; eval "$var=\$tu";;
*) eval "$var=$val";;
esac'

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Setvar.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_ftello: Inlibc longsize
?MAKE: -pick add $@ %<
?S:d_ftello:
?S: This variable conditionally defines the HAS_FTELLO symbol, which
?S: indicates to the C program that the ftello() routine is available.
?S:.
?C:HAS_FTELLO:
?C: This symbol, if defined, indicates that the ftello routine is
?C: available to ftell beyond 32 bits (useful for ILP32 hosts).
?C:.
?H:#$d_ftello HAS_FTELLO /**/

```

```
?H:
?LINT:set d_ftello
: see if ftello exists
set ftello d_ftello
eval $inlibc
case "$longsize" in
8) echo "(Your long is 64 bits, so you could use ftell.)" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_ftello.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998, Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:i_syssecre: Inhdr
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_syssecre:
```

```
?S: This variable conditionally defines the I_SYS_SECURITY symbol,
```

```
?S: and indicates whether a C program should include <sys/security.h>.
```

```
?S:.
```

```
?C:I_SYS_SECURITY:
```

```
?C: This symbol, if defined, indicates to the C program that it should
```

```
?C: include <sys/security.h>.
```

```
?C:.
```

```
?H:#$i_syssecre I_SYS_SECURITY /**/
```

```
?H:
```

```
?LINT:set i_syssecre
```

```
: see if sys/security.h is available
```

```
set sys/security.h i_syssecre
```

```
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/i_syssecre.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: archlib.U,v 3.1 1999/07/08 18:32:29 doughera Exp doughera $
```

```
?RCS:
```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: archlib.U,v \$

?RCS: Revision 3.1 1999/07/08 18:32:29 doughera

?RCS: Updated for perl5.005\_5x

?RCS:

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:15:18 ram

?RCS: patch59: unit is now forced to the top of Configure, if possible

?RCS:

?RCS: Revision 3.0.1.3 1995/02/15 14:14:14 ram

?RCS: patch51: architecture name is now

computed by a separate unit

?RCS:

?RCS: Revision 3.0.1.2 1995/01/30 14:32:22 ram

?RCS: patch49: archname is now systematically recomputed

?RCS: patch49: can now handle installation prefix changes (from WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:36 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_archlib archlib archlibexp installarchlib: \  
cat Getfile Setprefixvar Loc Oldconfig archname spackage \  
privlib sed test Prefixit Prefixup binexp

?MAKE: -pick add \$@ %<

?Y:TOP

?S:d\_archlib:

?S: This variable conditionally defines ARCHLIB to hold the pathname

?S: of architecture-dependent library files for \$package. If

?S: \$archlib is the same as \$privlib, then this is set to undef.

?S:.

?D:archlib="

?S:archlib:

?S: This variable holds the name of the directory in which the user wants

?S: to put architecture-dependent public library files for \$package.

?S: It is most often a local directory such as /usr/local/lib.

?S: Programs using this variable must be prepared to deal

?S: with

filename expansion.

?S:.

?D:archlibexp="

?S:archlibexp:

?S: This variable is the same as the archlib variable, but is

?S: filename expanded at configuration time, for convenient use.

?S:.

?D:installarchlib="

?S:installarchlib:

?S: This variable is really the same as archlibexp but may differ on

?S: those systems using AFS. For extra portability, only this variable

?S: should be used in makefiles.

?S:.

?C:ARCHLIB:

?C: This variable, if defined, holds the name of the directory in

?C: which the user wants to put architecture-dependent public

?C: library files for \$package. It is most often a local directory

?C: such as /usr/local/lib. Programs using this variable must be

?C: prepared to deal with filename expansion. If ARCHLIB is the

?C: same as PRIVLIB, it is not defined, since presumably the

?C: program already searches PRIVLIB.

?C:.

?C:ARCHLIB\_EXP:

?C: This symbol contains the ~name expanded version of ARCHLIB, to be used

?C: in programs that are not prepared to deal with ~ expansion

at run-time.

?C:.

?H:#\$d\_archlib ARCHLIB "\$archlib" /\*\*/

?H:#\$d\_archlib ARCHLIB\_EXP "\$archlibexp" /\*\*/

?H:.

?T: tdfit

?LINT:change prefixvar

?LINT:set archlib

?LINT:set archlibexp

?LINT:set installarchlib

: determine where public architecture dependent libraries go

set archlib archlib

eval \$prefixit

: privlib default is /usr/local/lib/\$package/\$version

: archlib default is /usr/local/lib/\$package/\$version/\$archname

: privlib may have an optional trailing /share.

tdflt=`echo \$privlib | \$sed 's,/share\$,,'`

tdflt=\$tdflt/\$archname

case "\$archlib" in

") dflt=\$tdflt

;;

\*) dflt="\$archlib"

;;

```
esac
$cat <<EOM
```

\$spackage contains architecture-dependent library files. If you are sharing libraries in a heterogeneous environment, you might store these files in a separate location. Otherwise, you can just include them with the rest of the public library files.

```
EOM
?X: Force dependency on bin.U
fn=$binexp
fn=d+~
rp='Where do you want to put the public architecture-dependent libraries?'
.
./getfile
prefixvar=archlib
./setprefixvar
if $test X"$sarchlib" = X"$sprivlib"; then
  d_archlib="$undef"
else
  d_archlib="$define"
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/archlib.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_socks5_init: Inlibc
?MAKE: -pick add $@ %<
?S:d_socks5_init:
?S: This variable conditionally defines the HAS_SOCKS5_INIT symbol, which
?S: indicates to the C program that the socks5_init() routine is available.
?S:
?C:HAS_SOCKS5_INIT:
?C: This symbol, if defined, indicates that the socks5_init routine is
?C: available to initialize SOCKS 5.
?C:
?H:#$d_socks5_init HAS_SOCKS5_INIT /**/
?H:
?LINT:set d_socks5_init
```

```
: see if socks5_init exists
set socks5_init d_socks5_init
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_socks5_init.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Ins.U,v 3.0.1.1 1994/06/20 07:05:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: Ins.U,v $
?RCS: Revision 3.0.1.1 1994/06/20 07:05:52 ram
?RCS: patch30: created by ADO
?RCS:
?X:
?X: This unit checks whether symbolic links are really supported.
?X: We can't rely on d_symlink because that may be listed in the
?X: C library but unimplemented.
?X:
?MAKE:lns: ln rm touch
?MAKE: -pick add $@ %<
?S:lns:
?S: This variable holds the name of the command to make
?S: symbolic
?S: links (if they are supported). It can be used
?S: in the Makefile. It is either 'ln -s' or 'ln'
?S:.
: determine whether symbolic links are supported
echo " "
$touch blurfl
if $ln -s blurfl sym > /dev/null 2>&1 ; then
echo "Symbolic links are supported." >&4
lns="$ln -s"
else
echo "Symbolic links are NOT supported." >&4
lns="$ln"
fi
```

\$rm -f blurfl sym

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/lns.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_fork.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_fork.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:07:38 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_fork: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fork:

?S: This variable conditionally defines the HAS\_FORK symbol, which

?S: indicates to the C program that the fork() routine is available.

?S:.

?C:HAS\_FORK :

?C: This symbol, if defined, indicates that the fork routine is

?C: available.

?C:.

?H:#\$d\_fork

HAS\_FORK /\*\*/

?H:.

?LINT:set d\_fork

: see if fork exists

set fork d\_fork

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fork.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_vfork.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_vfork.U,v \$

?RCS: Revision 3.0.1.1 1994/05/06 15:05:44 ram

?RCS: patch23: avoid inclusion of <vfork.h> if no vfork() used (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:50 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_vfork: Inhdr d\_vfork

?MAKE: -pick add \$@ %<

?S:i\_vfork:

?S: This variable conditionally defines the I\_VFORK symbol, and indicates

?S: whether a C program should include vfork.h.

?S:.

?C:I\_VFORK:

?C: This symbol,

if defined, indicates to the C program that it should

?C: include vfork.h.

?C:.

?H:#\$i\_vfork I\_VFORK /\*\*/

?H:.

: see if this is a vfork system

case "\$d\_vfork" in

"\$define")

set vfork.h i\_vfork

eval \$inhdr

::

\*)

i\_vfork="\$undef"

::

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_vfork.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:



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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:i\_poll: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_poll:

?S: This variable conditionally defines the I\_POLL symbol, which

?S: indicates to the C program that it should include <poll.h>.

?S:.

?C:I\_POLL:

?C: This symbol, if defined, indicates that the program may include

?C: <poll.h>. If there is no <poll.h>, then you may check I\_SYS\_POLL

?C: instead to see whether there is a <sys/poll.h> to include.

?C:.

?H:#\$i\_poll I\_POLL /\*\*/

?H:.

?LINT:set i\_poll

: see if there is a poll.h file

set poll.h i\_poll

eval \$inhdr

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_poll.U

No license file was found, but licenses were detected in source scan.

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_newlocale d\_freelocale d\_uselocale d\_duplocale d\_querylocale i\_xlocale: Inlibc Inhdr

?MAKE: -pick add \$@ %<

?S:d\_newlocale:

?S: This variable conditionally defines the HAS\_NEWLOCALE symbol, which

?S: indicates to the C program that the newlocale() routine is available

?S: to return a new locale object or modify an existing locale object.

?S:.

?S:d\_freelocale:

?S: This variable conditionally defines the HAS\_FREELOCALE symbol, which

?S: indicates to the C program that the freelocale() routine is available

?S: to deallocate the resources associated with a locale object.

?S:.

?S:d\_uselocale:

?S: This variable conditionally defines the HAS\_USELOCALE symbol, which

?S: indicates to the C program that the uselocale() routine is available

?S: to set the current locale for the calling thread.

?S:.

?S:d\_duplocale:

?S: This variable conditionally defines the HAS\_DUPLOCALE symbol, which indicates to the C program that the duplocale() routine is available

?S: to duplicate a locale object.

?S:.

?S:d\_querylocale:

?S: This variable conditionally defines the HAS\_QUERYLOCALE symbol, which indicates to the C program that the querylocale() routine is available

?S: to return the name of the locale for a category mask.

?S:.

?S:i\_xlocale:

?S: This symbol, if defined, indicates to the C program that it should include <xlocale.h> to get uselocale() and its friends

?S:.

?C:HAS\_NEWLOCALE:

?C: This symbol, if defined, indicates that the newlocale routine is available to return a new locale object or modify an existing locale object.

?C:.

?C:HAS\_FREELOCALE:

?C: This symbol, if defined, indicates that the freelocale routine is available to deallocate the resources associated with a locale object.

?C:.

?C:HAS\_USELOCALE:

?C: This symbol, if defined, indicates that the uselocale routine is available to set the current locale for the calling thread.

?C:.

?C:HAS\_DUPLOCALE:

?C: This symbol, if defined, indicates that the duplocale routine is available to duplicate a locale object.

?C:.

?C:HAS\_QUERYLOCALE:

?C: This symbol, if defined, indicates that the querylocale routine is available to return the name of the locale for a category mask.

?C:.

?C:I\_XLOCALE:

?C: This symbol, if defined, indicates to the C program that it should include <xlocale.h> to get uselocale() and its friends.

?C:.

?H:#\$d\_newlocale HAS\_NEWLOCALE /\*\*/  
 ?H:#\$d\_freelocale HAS\_FREELOCALE /\*\*/  
 ?H:#\$d\_uselocale HAS\_USELOCALE /\*\*/  
 ?H:#\$d\_duplocale HAS\_DUPLOCALE /\*\*/  
 ?H:#\$d\_querylocale HAS\_QUERYLOCALE /\*\*/

?H:#\$i\_xlocale I\_XLOCALE /\*\*/

?H:.

?LINT:set i\_xlocale

?LINT:set d\_newlocale

?LINT:set d\_freelocale

?LINT:set d\_uselocale

?LINT:set d\_duplocale

?LINT:set d\_querylocale

: see if this is an xlocale.h system

set xlocale.h i\_xlocale

eval \$inhdr

:

see if newlocale exists

set newlocale d\_newlocale

eval \$inlibc

: see if freelocale exists

set freelocale d\_freelocale

eval \$inlibc

: see if uselocale exists

set uselocale d\_uselocale

eval \$inlibc

: see if duplocale exists

set duplocale d\_duplocale

eval \$inlibc

: see if querylocale exists

set querylocale d\_querylocale

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_newlocale.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_libutil.U,v \$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_libutil: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S:i\_libutil:

?S: This variable conditionally defines the I\_LIBUTIL symbol, and indicates

?S: whether a C program should include <libutil.h>.

?S:.

?C:I\_LIBUTIL:

?C: This symbol, if defined, indicates that <libutil.h> exists and

?C: should be included.

?C:.

?H:#\$i\_libutil I\_LIBUTIL /\*\*/

?H:.

?LINT:set i\_libutil

: see if this is a libutil.h system

set libutil.h i\_libutil

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_libutil.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Config\_h.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 14:57:43 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:10:49 ram

?RCS: patch59: commented the purpose of the #un-def directive

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:25:39 ram

?RCS: patch49: typo fixes in leading config.h comment (WED)

?RCS:

?RCS: Revision 3.0.1.2 1993/08/24 12:13:20 ram

?RCS: patch3: added TOP as a local shell temporary variable

?RCS:

?RCS: Revision 3.0.1.1 1993/08/19 06:42:20

ram

?RCS: patch1: leading config.sh searching was not aborting properly

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:47 ram

?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?X:
?X: This file ends up producing the config_h.SH script, which is run to produce
?X: the config.h file. The file ./Config_h below contains all the ?H: lines
?X: extracted out of all the units. Metaconfig itself adds the !GROK!THIS!.
?X: Note that this code isn't included into Configure, but must be shipped with.
?X:
?X: For those who wish to know why the file is config_h.SH instead of the more
?X: natural config.h.SH, well... it is to support systems like MS-DOG. Only one
?X: 'dot' is allowed within the file name, as it is part of the "extension" of
?X: the file. MS-DOG will not let you have two 'dots' because that would mean
?X: two "extensions".
?X:
?MAKE:Config_h: Id End Config_sh Obsol_h myuname cf_time cf_by package src
?MAKE: -pick c_h_weed $@ %<
?MAKE: -pick c_h_weed $@ ./Config_h
?MAKE: -pick
c_h_weed $@ ./Obsol_h
?T:CONFIG TOP
?LINT:unclosed !GROK!THIS!
?LINT:extern CONFIG_H CONFIG_SH
?LINT:change CONFIG_H CONFIG_SH
?LINT:nocomment
case "$CONFIG_SH" in
") CONFIG_SH=config.sh;;
esac
case "$CONFIG_H" in
") CONFIG_H=config.h;;
esac
case $CONFIG in
")
if test -f $CONFIG_SH; then TOP=.;
elif test -f ../$CONFIG_SH; then TOP=..;
elif test -f ../../$CONFIG_SH; then TOP=../../;
elif test -f ../../../$CONFIG_SH; then TOP=../../../;
elif test -f ../../../../$CONFIG_SH; then TOP=../../../../;
else
echo "Can't find $CONFIG_SH."; exit 1
fi
.$TOP/$CONFIG_SH
;;
esac
?X: Make sure we are in the directory where the .SH file is located.
case "$0" in
*/*) cd `expr X$0 : 'X\(.*/'` ;;
esac
echo "Extracting $CONFIG_H (with variable substitutions)"
?X:

```

?X: Since we unconditionally translate leading #undef into /\*#define, we're  
?X: stuck when we really want to have a #undef in config.h. That's why there  
?X: is provision here for #un-def, which is translated back into #undef after  
?X:  
all original #undef have been processed.  
?X:  
?X: Previously, we changed all  
?X: #undef FOO /\*\*/  
?X: into  
?X: /\*#define FOO /\*\*/  
?X: The xlc compiler (available on IBM's AIX) complains that this is  
?X: an illegal attempt to write a nested comment, and warns against it.  
?X: There's apparently no way to shut the compiler up, either.  
?X: This sed command from Hallvard B Furuseth <h.b.furuseth@usit.uio.no>  
?X: changes it to  
?X: /\*#define FOO / \*\*/  
sed <<!GROK!THIS!>\$CONFIG\_H -e 's!^#undef(.\*)\!/\*#define\1 \!' -e 's!^#un-def!#undef!'  
/\*  
\* This file was produced by running the config\_h.SH script, which  
\* gets its values from \$CONFIG\_SH, which is generally produced by  
\* running Configure.  
\*  
\* Feel free to modify any of this as the need arises. Note, however,  
\* that running config\_h.SH again will wipe out any changes you've made.  
\* For a more permanent change edit \$CONFIG\_SH and rerun config\_h.SH.  
\*  
\* \Id: Config\_h.U 1 2006-08-24 12:32:52Z rmanfredi \$  
\*/  
  
/\*  
\* Package name  
: \$package  
\* Source directory : \$src  
\* Configuration time: \$cf\_time  
\* Configured by : \$cf\_by  
\* Target system : \$myuname  
\*/  
  
#ifdef \_config\_h\_  
#define \_config\_h\_  
  
Found in path(s):  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/Config\_h.U  
No license file was found, but licenses were detected in source scan.  
  
?RCS: \$Id\$  
?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: gidtype.U,v \$

?RCS: Revision 3.0.1.3 1994/08/29 16:21:44 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS: patch32: removed useless usage of Setvar (for now)

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:21:07 ram

?RCS: patch27: added lint hint

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:01:51 ram

?RCS: patch23: protected gidtype setting via setvar (ADO)

?RCS: patch23: made Gid\_t comment more explicit (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:11 ram

?RCS:

Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:gidtype: Myread Typedef Findhdr

?MAKE: -pick add \$@ %<

?S:gidtype:

?S: This variable defines Gid\_t to be something like gid\_t, int,  
?S: ushort, or whatever type is used to declare the return type  
?S: of getgid(). Typically, it is the type of group ids in the kernel.

?S:.

?C:Gid\_t (GIDTYPE):

?C: This symbol holds the return type of getgid() and the type of  
?C: argument to setrgid() and related functions. Typically,  
?C: it is the type of group ids in the kernel. It can be int, ushort,  
?C: uid\_t, etc... It may be necessary to include <sys/types.h> to get  
?C: any typedef'ed information.

?C:.

?H:#define Gid\_t \$gidtype /\* Type for getgid(), etc... \*/

?H:.

?T:xxx

: see what type gids are declared as in the kernel

```
set gid_t gidtype xxx stdio.h sys/types.h
eval $typedef
case "$gidtype" in
xxx)
xxx=`./findhdr sys/user.h`
set `grep 'groups\[NGROUPS\];' "$xxx" 2>/dev/null` unsigned short
```

```

case $1 in
unsigned) dflt="$1 $2" ;;
*) dflt="$1"
;;
esac
;;
*) dflt="$gidtype";;
esac
echo " "
rp="What is the type for group ids returned by getgid()?"
./myread
gidtype="$ans"

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/gidtype.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_llrintl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llrintl:

?S: This variable conditionally defines the HAS\_LLRLNTL symbol, which

?S: indicates to the C program that the llrintl() routine is available

?S: to return the long long value closest to a long double (according

?S: to the current rounding mode).

?S:.

?C:HAS\_LLRLNTL:

?C: This symbol, if defined, indicates that the llrintl routine is

?C: available to return the long long value closest to a long double

?C: (according to the current rounding mode).

?C:.

?H:#\$d\_llrintl HAS\_LLRLNTL /\*\*/

?H:.

?LINT:set d\_llrintl

: see if llrintl exists

set llrintl d\_llrintl

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_llrintl.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: cppfilecom.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:



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?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: cppfilecom.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:37 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:cppfilecom cppstdinflags d\_cppignhdrs d\_cppcanstdin: \  
contains package test Myread Oldconfig Loc Setvar cpp cc cat rm

?MAKE: -pick add \$@ %<

?S:cppfilecom:

?S: This variable contains the first part of the string which will invoke  
?S: the C preprocessor a file  
and produce to standard output, preserving  
?S: comments. Typical value of "cc -E -C" or "/lib/cpp -C".

?S:.

?S:cppstdinflags:

?S: This variable contains any flags necessary to get cppfilecom to read  
?S: from the standard input.

?S:.

?S:d\_cppignhdrs:

?S: This symbol conditionally defines CPP\_IGN\_HDRS if CPP\_FILE\_COM ignores  
?S: \*.h files.

?S:.

?S:d\_cppcanstdin:

?S: This symbol conditionally defines CPP\_CAN\_STDIN if CPP\_FILE\_COM can  
?S: read standard input directly.

?S:.

?C:CPP\_FILE\_COM (CPPFILECOM):

?C: This symbol contains the first part of the string which will invoke  
?C: the C preprocessor a file and produce to standard output, preserving  
?C: comments. Typical value of "cc -E -C" or "/lib/cpp -C".

?C:.

?C:CPP\_STDIN\_FLAGS (CPPSTDINFLAGS):

?C: This variable contains any flags necessary to get CPP\_FILE\_COM to  
?C: read from the standard input.

?C:.

?C:CPP\_IGN\_HDRS (CPPIGNHDRS):

?C: This symbol is defined if CPP\_FILE\_COM ignores \*.h files.

?C:.

?C:CPP\_CAN\_STDIN (CPPCANSTDIN):

```

?C: This
symbol is defined if CPP_FILE_COM can read standard input
?C: directly.
?C:.
?H:#define CPP_FILE_COM "$cppfilecom"
?H:#define CPP_STDIN_FLAGS "$cppstdinflags"
?H:#$d_cppignhdrs CPP_IGN_HDRS /* does CPP ignore .h files? */
?H:#$d_cppcanstdin CPP_CAN_STDIN /* can CPP read stdin directly? */
?H:.
?T:cont
?F:!testcpp.c !testcpp.h !testcpp.out
?LINT:set d_cppcanstdin d_cppignhdrs
?LINT:usefile testcpp.c testcpp.out
: see how we invoke the C preprocessor
$cat <<EOM

```

\$package needs to be able to preprocess its input files in a mode which preserves comments, which is often not the default behaviour. It should run the C preprocessor you will use when compiling your own source code, which should be ISO/ANSI C compliant if you want \$package to handle the latest standard C. I will try to guess, but I might guess wrongly because it is not necessarily the same preprocessor used to build \$package.

```

EOM
$cat <<'EOT' >testcpp.c
#define ABC abc
#define XYZ xyz
ABC.XYZ
/* comment */
EOT
:
if $test "X$cppfilecom"
  != "X" && \
  $cppfilecom testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
  echo "You used to use $cppfilecom so we'll use that again."
elif echo 'Maybe ""$cc' -E -C" will work...' && \
  $cc -E -C testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
  echo "It works!"
  cppfilecom="$cc -E -C"
elif echo 'Nope...maybe ""$cc"' -P -C" will work...' && \
  $cc -P -C testcpp.c </dev/null >testcpp.out 2>/dev/null && \
  $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \

```

```

$contains comment testcpp.out >/dev/null 2>&1
then
echo "Yup, that does."
cppfilecom="$cc -P -C"
elif echo 'No such luck, maybe ""$cpp" -C" will work...' && \
$cpp -C testcpp.c </dev/null >testcpp.out 2>/dev/null && \
$contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
$contains comment testcpp.out
>/dev/null 2>&1
then
echo "Yup, it does."
cppfilecom="$cpp -C"
else
cppfilecom="
$cat <<'EOM'
I can't find a C preprocessor that will preserve comments. Please name one.
EOM
fi
:
dflt="$cppfilecom"
cont=true
while $test "$cont" ; do
echo " "
rp="How should $package run your preprocessor preserving comments?"
./myread
cppfilecom="$ans"
$cppfilecom testcpp.c >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
$contains comment testcpp.out >/dev/null 2>&1
then
echo "OK, that will do."
cont="
else
echo "Sorry, I can't get that to work."
fi
done

@if CPP_IGN_HDRS || d_cppignhdrs
: Now see if it ignores header files.
cp testcpp.c testcpp.h
$cppfilecom testcpp.h >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
$contains comment testcpp.out >/dev/null 2>&1
then
echo "Terrific; it processes .h files passed on the command line too."
val="$undef"
else
echo "It ignores .h files on the command line; pity."

```

```

val="$define"
fi
set
d_cppignhdrs
eval $setvar

@end
@if CPP_STDIN_FLAGS || CPP_CAN_STDIN || cppstdinflags || d_cppcanstdin
: Now see how to send stdin to it.
echo " "
cp testcpp.c testcpp.h
$cppfilecom <testcpp.h >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
echo "Great; and it will read stdin if passed no arguments."
val="$define"
cppstdinflags="
else
$cppfilecom - <testcpp.h >testcpp.out 2>&1
if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
  $contains comment testcpp.out >/dev/null 2>&1
then
echo "Great; and it can read stdin by passing it '-!'"
val="$define"
cppstdinflags='-!
else
$cat <<FOO

```

Unfortunately, I can't find an easy way to get that preprocessor to read from standard input. Do you know any flags I can pass it to get it to do so? If that preprocessor can't read directly from standard input, answer 'none'.

```

FOO
val='dunno'
while $test "$val" = "dunno"; do
  rp='Flags to get preprocessor
to read stdin?'
  dflt='none'
  ./myread
  if $test $ans = 'none'; then
    echo "Oh well, if $package wants it done, it will do it for itself."
    val="$undef"
  else
    $cppfilecom $ans <testcpp.h >testcpp.out 2>&1
    if $contains 'abc.*xyz' testcpp.out >/dev/null 2>&1 && \
      $contains comment testcpp.out >/dev/null 2>&1
    then
      echo "Good; that works fine."
    fi
  fi
done

```

```
val="$define"  
cppstdinflags="$ans"  
else  
echo "Sorry, I couldn't get that to work."  
fi  
fi  
done  
fi  
fi  
set d_cppcanstdin  
eval $setvar
```

```
@end  
: cleanup cpp test files anyway  
$rm -f testcpp.*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cppfilecom.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_static\_inline.U,v \$

?RCS:

?RCS: Copyright (c) 2010 Andrew Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafayette.edu>

?RCS:

?MAKE:d\_static\_inline perl\_static\_inline: Compile Setvar gccversion \  
cat echo run hint rm rm\_try

?MAKE: -pick add \$@ %<

?S:d\_static\_inline:

?S: This variable conditionally defines the HAS\_STATIC\_INLINE symbol,  
?S: which indicates that the C compiler supports C99-style static

?S: inline. That is, the function can't be called from another

?S: translation unit.

?S: translation unit.

?S:.

?S:perl\_static\_inline:

?S: This variable defines the PERL\_STATIC\_INLINE

symbol to

?S: the best-guess incantation to use for static inline functions.

?S: Possibilities include

?S: static inline (c99)

```

?S: static __inline__ (gcc -ansi)
?S: static __inline (MSVC)
?S: static _inline (older MSVC)
?S: static (c89 compilers)
?S:.
?C:HAS_STATIC_INLINE :
?C: This symbol, if defined, indicates that the C compiler supports
?C: C99-style static inline. That is, the function can't be called
?C: from another translation unit.
?C:.
?C:PERL_STATIC_INLINE:
?C: This symbol gives the best-guess incantation to use for static
?C: inline functions. If HAS_STATIC_INLINE is defined, this will
?C: give C99-style inline. If HAS_STATIC_INLINE is not defined,
?C: this will give a plain 'static'. It will always be defined
?C: to something that gives static linkage.
?C: Possibilities include
?C: static inline (c99)
?C: static __inline__ (gcc -ansi)
?C: static __inline (MSVC)
?C: static _inline (older MSVC)
?C: static
(c89 compilers)
?C:.
?H:#$d_static_inline HAS_STATIC_INLINE /**/
?H:#define PERL_STATIC_INLINE $perl_static_inline /**/
?H:.
?LINT:set d_static_inline
?T:inline xxx
?F:!try
: see what flavor, if any, of static inline is supported
echo " "
echo "Checking to see if your system supports static inline..."
?X: Build two programs. The first uses static inline in file a.c and
?X: should work. The second also includes b.c which tries to link against
?X: the static function in a.c. This should fail.
?X:.
$cat > try.c <<'EOCP'
#include <stdlib.h>
extern int f_via_a(int x);
extern int f_via_b(int x);
int main(int argc, char **argv)
{
    int y;

    y = f_via_a(0);
#ifdef USE_B
    y = f_via_b(0);

```

```

#endif
    if (y == 42) {
        return EXIT_SUCCESS;
    }
    else {
        return EXIT_FAILURE;
    }
}
EOCP
$cat > a.c <<'EOCP'
static INLINE int f(int x) {
    int y;
    y = x + 42;
    return y;
}

int f_via_a(int x)
{
    return f(x);
}
EOCP
$cat > b.c <<'EOCP'
extern int f(int x);

int
f_via_b(int x)
{
    return f(x);
}
EOCP

# Respect a hint (or previous) value for perl_static_inline, if there is one.
case "$perl_static_inline" in
") # Check the various possibilities, and break out on success.
# For gcc, prefer __inline__, which will still permit
# cflags.SH to add in -ansi.
case "$gccversion" in
") xxx="__inline__ __inline__";;
*) xxx="__inline__ inline __inline__";;
esac
for inline in $xxx; do
set try -DINLINE=$inline a.c
if eval $compile && $run ./try; then
# Now make sure there is no external linkage of static
# functions
set try -DINLINE=$inline -DUSE_B a.c b.c
if eval $compile && $run ./try; then
    $echo "Your compiler supports static $inline, " >&4

```

```

$echo "but it also creates an external definition," >&4
$echo "so I won't use it." >&4
val=$undef
else
$echo "Your compiler supports static $inline." >&4
val=$define
perl_static_inline="static $inline";
break;
fi
else
$echo
"Your compiler does NOT support static $inline." >&4
val="$undef"
fi
done
;;
*inline*) # Some variant of inline exists.
echo "Keeping your $hint value of $perl_static_inline."
val=$define
;;
static) # No inline capabilities
echo "Keeping your $hint value of $perl_static_inline."
val=$undef
;;
*) # Unrecognized previous value -- blindly trust the supplied
# value and hope it makes sense. Use old value for
# d_static_inline, if there is one.
echo "Keeping your $hint value of $perl_static_inline."
case "$d_static_inline" in
") val=$define ;;
*) val=$d_static_inline ;;
esac
;;
esac
# Fallback to plain 'static' if nothing worked.
case "$perl_static_inline" in
")
perl_static_inline="static"
val=$undef
;;
esac
set d_static_inline
eval $setvar
$rm -f a.[co] b.[co]
$rm_try

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-



5.30.0/U/compline/d\_static\_inline.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Whoa.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:21:21 ram

?RCS: patch61: whoa script now starts with leading "startsh"

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:02:01 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:19 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to warn the user in case a change into a variable is noticed.

?X:

?X: To use this

unit, \$was must hold the old value that has changed. Upon

?X: exit, the two variables \$td and \$tu are set to the correct value for

?X: respectively defining or undefining a variable. For instance, if \$was was

?X: \$undef, but now \$var is \$define, after calling . whoa, you should use

?X: eval "\$var=\\$tu" to finally set \$var to the correct value. See unit Inlibc.

?X:

?MAKE:Whoa: Myread startsh hint

?MAKE: -pick add \$@ %<

?F:./whoa

?T:var was

?LINT:change td tu

: set up the script used to warn in case of inconsistency

cat <<EOS >whoa

\$startsh

EOS

cat <<'EOSC' >>whoa

dflt=y

echo " "

echo "\*\*\*\* WHOA THERE!!! \*\*\*\*" >&4

echo " The \$hint value for \\$\$var on this machine was \"\$was\!" >&4

```
rp=" Keep the $hint value?"
./myread
case "$ans" in
y) td=$was; tu=$was;;
esac
EOSC
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Whoa.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_portable.U,v 3.0.1.2 1995/01/11 15:28:52 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: This file is included with or a derivative work of a file included
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.
?RCS: In accordance with clause 7 of dist's modified Artistic License:
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?RCS: $Log: d_portable.U,v $
?RCS: Revision 3.0.1.2 1995/01/11 15:28:52 ram
?RCS: patch45: executable path stripping moved to the end in Config_sh.U
?RCS:
?RCS: Revision 3.0.1.1 1993/12/15 08:21:17 ram
?RCS: patch15: did not strip variables properly when needed
?RCS: patch15: now also strips down variables from trylist
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:48 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
This is the same as the dist version, except I don't bother
?X: prompting people since it makes no difference for perl5,
?X: and only confuses people.
?X:
?X: The Loc unit is wanted to get the definition of all the locating variables.
?X:
?MAKE:d_portable: Loc Oldconfig
?MAKE:-pick add $@ %<
?S:d_portable:
?S: This variable conditionally defines the PORTABLE symbol, which
?S: indicates to the C program that it should not assume that it is
?S: running on the machine it was compiled on.
?S:.
```

?C:PORTABLE:

?C: This symbol, if defined, indicates to the C program that it should

?C: not assume that it is running on the machine it was compiled on.

?C: The program should be prepared to look up the host name, translate

?C: generic filenames, use PATH, etc.

?C:.

?H:#\$d\_portable PORTABLE /\*\*/

?H:.

?D:d\_portable="

: decide how portable to be. Allow command line overrides.

case "\$d\_portable" in

"\$undef") ;;

\*) d\_portable="\$define" ;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_portable.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Typedef.U,v 3.0.1.3 1995/07/25 13:42:07 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: Typedef.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 13:42:07 ram

?RCS: patch56: added backslash escapes within evals to prevent space problems

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:01:16 ram

?RCS: patch36: don't clobber visible 'val' variable, use 'varval' instead

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:05:14 ram

?RCS: patch32: created

?RCS:

?X:

?X: This unit checks for the definition of a given typedef.

?X:

?X: To use it, say:

?X: set typedef

val\_t default [includes]

?X: eval \$typedef

?X:

```

?MAKE:Typedef: cppstdin cppminus cppflags rm sed contains Oldconfig Myread
?MAKE: -pick add $@ %<
?LINT:define typedef
?LINT:define typedef_ask
?V:typedef typedef_ask
?S:typedef:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. A typical use is:
?S: set typedef val_t default [includes]
?S: eval $typedef
?S: That will return val_t set to default if the typedef was not found,
?S: to typedef otherwise. If no includes are specified, look in sys/types.h.
?S:.
?S:typedef_ask:
?S: This shell variable is used internally by Configure to check
?S: whether a given typedef is defined or not. If it is not defined,
?S: this will call the ./myread script to prompt for an answer.
?S: It is intended to be used to avoid unnecessary prompts.
?S: A typical use is
?S: rp="What is the type for file position used by fsetpos()?"
?S: set fpos_t fpostype long stdio.h sys/types.h
?S: eval $typedef_ask
?S: This
    will set fpostype=fpos_t, if fpos_t is available. Otherwise
?S: it will call myread with a default of 'long', and a prompt of $rp.
?S:.
?T:type var def inclist varval inc
?F:!temp.c
: define an is-a-typedef? function
typedef='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;
case "$inclist" in
"" ) inclist="sys/types.h";;
esac;
eval "varval=\$$var";
case "$varval" in
"" )
    $rm -f temp.c;
    for inc in $inclist; do
        echo "#include <$inc>" >>temp.c;
    done;
?X: Maybe it's a #define instead of a typedef.
echo "#ifdef $type" >> temp.c;
echo "printf(\"We have $type\");" >> temp.c;
echo "#endif" >> temp.c;
$cppstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;
if $contains $type temp.E >/dev/null 2>&1; then
    eval "$var=\$type";
else

```

```

eval "$var=\$def";
fi;
$rm -f temp.?;;
*) eval "$var=\$varval";;
esac'

```

?X: Originally, I eval'd \$typedef and then checked the results against

?X: \$type. Unfortunately, it then became complicated to check

?X: whether you are re-using

an old config.sh value, and the logic got

?X: so convoluted it became easier to just copy the function above

?X: and alter it slightly. A.D. 3/1998

: define an is-a-typedef? function that prompts if the type is not available.

```

typedef_ask='type=$1; var=$2; def=$3; shift; shift; shift; inclist=$@;

```

```

case "$inclist" in

```

```

"" ) inclist="sys/types.h";;

```

```

esac;

```

```

eval "varval=\$$var";

```

```

case "$varval" in

```

```

"" )

```

```

$rm -f temp.c;

```

```

for inc in $inclist; do

```

```

    echo "#include <$inc>" >>temp.c;

```

```

done;

```

?X: Maybe it's a #define instead of a typedef.

```

echo "#ifdef $type" >> temp.c;

```

```

echo "printf(\"We have $type\");" >> temp.c;

```

```

echo "#endif" >> temp.c;

```

```

$cpstdin $cppflags $cppminus < temp.c >temp.E 2>/dev/null;

```

```

echo " " ;

```

```

echo "$rp" | $sed -e "s/What is/Looking for/" -e "s/?.?.?/";

```

```

if $contains $type temp.E >/dev/null 2>&1; then

```

```

    echo "$type found." >&4;

```

```

    eval "$var=\$type";

```

```

else

```

```

    echo "$type NOT found." >&4;

```

```

    dflt="$def";

```

```

    ./myread ;

```

```

    eval "$var=\$ans";

```

```

fi;

```

```

$rm -f temp.?;;

```

```

*) eval "$var=\$varval";;

```

```

esac'

```

Found

in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/Typedef.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endnent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_endnent.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:09 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_endnent: Inlibc
?MAKE: -pick add $@ %<
?S:d_endnent:
?S: This variable conditionally defines HAS_ENDNETENT if endnent() is
?S: available to close whatever was being used for network queries.
?S:.
?C:HAS_ENDNETENT:
?C: This symbol, if defined, indicates that the endnent() routine is
?C: available to close whatever was being used for network
?C: queries.
?C:.
?H:#$d_endnent HAS_ENDNETENT /**/
?H:.
?LINT:set d_endnent
: see if endnent exists
set endnent d_endnent
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_endnent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: etc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
```

```

?RCS:
?RCS: $Log: etc.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:07 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:etc etcexp: Getfile Loc Oldconfig
?MAKE: -pick add $@ %<
?S:etc:
?S: This variable holds the name of the directory in which the user wants
?S: to put "administrative" executable images for the package in question.
?S: It is most often a local directory such as /usr/local/etc. Programs
?S: relying on this variable must be prepared to deal with
~name
?S: substitutions.
?S:.
?S:etcexp:
?S: This is the same as the etc variable, but is filename expanded at
?S: configuration time, for convenient use in makefiles.
?S:.
: determine where administrative executables go
case "$etc" in
")
dflt=`./loc . /local/etc /usr/local/etc /local/etc /usr/etc /etc`
;;
*)
dflt="$etc"
;;
esac
fn=d~
rp='Where should the administrative executables go?'
./getfile
etc="$ans"
etcexp="$ansexp"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/etc.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_poll.U,v $
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_poll: Inhdr Hasfield
?MAKE: -pick add $@ %<

```

?S:i\_poll:  
?S: This variable conditionally defines the I\_POLL symbol, and indicates  
?S: whether a C program should include <poll.h>.  
?S:.  
?C:I\_POLL:  
?C: This symbol, if defined, indicates that <poll.h> exists and  
?C: should be included. (see also HAS\_POLL)  
?C:.  
?H:#\$i\_poll I\_POLL /\*\*/  
?H:.  
?LINT:set i\_poll  
: see if this is a poll.h system  
set poll.h i\_poll  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_poll.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Prefixup.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Prefixup.U,v \$  
?RCS: Revision 3.0.1.1 1995/01/30 14:30:40 ram  
?RCS: patch49: created  
?RCS:  
?X:  
?X: Used as: "set dflt; eval \$prefixup" to set \$dflt to be \$prefix/dir  
?X: instead of \$prefixexp/dir, in case portability was involved somehow  
?X: and \$prefix uses ~name expansion.  
?X:  
?MAKE:Prefixup: prefix prefixexp  
?MAKE: -pick add \$@ %<  
?LINT:define prefixup  
?S:prefixup:  
?S: This shell variable is used internally by Configure to reset  
?S: the leading  
installation prefix correctly when \$prefix uses  
?S: ~name expansion.  
?S: set dflt



```
?S: eval $prefixup
?S: That will set $dfld to $prefix/dir if it was $prefixexp/dir and
?S: $prefix differs from $prefixexp.
?S:.
?V:prefixup
: set the prefixup variable, to restore leading tilda escape
prefixup='case "$prefixexp" in
"$prefix") ;;
*) eval "$1=\`echo \$$1 | sed \`s,^$prefixexp,$prefix,\`";;
esac'
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Prefixup.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: manfmt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: manfmt.U,v $
?RCS: Revision 3.0.1.5 1997/02/28 16:11:57 ram
?RCS: patch61: don't ask for AFS when they choose to not install pages
?RCS:
?RCS: Revision 3.0.1.4 1995/09/25 09:16:52 ram
?RCS: patch59: unit is now forced to the top of Configure, if possible
?RCS:
?RCS: Revision 3.0.1.3 1995/01/30 14:39:20 ram
?RCS: patch49: new installmanfmt and AFS-lookup for formatted man pages
?RCS: patch49: can now handle installation prefix changes (from WED)
?RCS:
?RCS:
Revision 3.0.1.2 1994/08/29 16:30:31 ram
?RCS: patch32: now uses installation prefix for default setting
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:09:22 ram
?RCS: patch10: allows for L1 man page extension (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:13 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:manfmt manfmtexp installmanfmt: Getfile Loc Oldconfig cat manext \
```

```

$package Prefixit prefixexp Prefixup afs test
?MAKE: -pick add $@ %<
?Y:TOP
?S:manfmt:
?S: This variable contains the name of the directory in which formatted
?S: manual pages are to be put. It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command. Note
?S: that you may have to do ~name substitution. Use manfmtexp otherwise.
?S:.
?S:manfmtexp:
?S: This is the same as the manfmt variable, but is filename expanded
?S: at configuration time, for programs not willing to deal with it at
?S: run-time.
?S:.
?S:installmanfmt:
?S: This variable is really
the same as manfmtexp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: mansrcexp only points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?LINT:change manext
?T:lookpath
: determine where manual pages go
set manfmt manfmt
eval $prefixit
$cat <<EOM

```

\$package has pre-formatted manual pages. If you don't want these installed, answer 'none' to the next question.

EOM

```

case "$manfmt" in
")
lookpath="$prefixexp/catman/man1 $prefixexp/man/cat1"
lookpath="$lookpath $prefixexp/catman/u_man/man1"
lookpath="$lookpath $prefixexp/catman/l_man/man1"
lookpath="$lookpath $prefixexp/catman/cat1 /usr/catman/local/man1"
lookpath="$lookpath /usr/catman/man1 /usr/man/cat1"
lookpath="$lookpath /usr/catman/mann /usr/catman/l_man/man1"
lookpath="$lookpath /usr/catman/u_man/man1 /usr/catman/man1"
dflt=`./loc . none $lookpath`
set dflt
eval $prefixup
;;
*) dflt="$manfmt"
;;
esac

```

```

fn=dn~
rp='Where
do pre-formatted manual pages go?'
./getfile
if test "$manfmtexp" != "$sansexp"; then
installmanfmt="
fi
manfmt="$ans"
manfmtexp="$sansexp"
if $afs && $test "$manfmt"; then
$cat <<EOM

```

Since you are running AFS, I need to distinguish the directory in which manual pages reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

```

EOM
case "$installmanfmt" in
") dflt=`echo $manfmtexp | sed 's#^/afs/#/afs/.#`;;
*) dflt="$installmanfmt";;
esac
fn=de~
rp='Where will pre-formatted man pages be installed?'
./getfile
installmanfmt="$ans"
else
installmanfmt="$manfmtexp"
fi

```

```

case "$manfmt" in
") manext='0';;
*l) manext=l;;
*n) manext=n;;
*o) manext=l;;
*p) manext=n;;
*C) manext=C;;
*L) manext=L;;
*L1) manext=L1;;
*) manext=1;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/manfmt.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setrgid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setrgid.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:14 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setrgid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setrgid:

?S: This variable conditionally defines the HAS\_SETRGID symbol, which

?S: indicates to the C program that the setrgid() routine is available

?S: to change the real gid of the current program.

?S:.

?C:HAS\_SETRGID (SETRGID):

?C: This symbol, if defined, indicates that the setrgid  
routine is available

?C: to change the real gid of the current program.

?C:.

?H:#\$d\_setrgid HAS\_SETRGID /\*\*/

?H:.

?LINT:set d\_setrgid

: see if setrgid exists

set setrgid d\_setrgid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setrgid.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_strerror\_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strerror\_l:

?S: This variable conditionally defines the HAS\_STRERROR\_L symbol, which

?S: indicates to the C program that the strerror\_l() routine is available

?S: to return the error message for a given errno value in a particular

?S: locale (identified by a locale\_t object).

?S:.

?C:HAS\_STRERROR\_L:

?C: This symbol, if defined, indicates that the strerror\_l routine is  
?C: available to return the error message for a given errno value in  
?C: a particular locale (identified by a locale\_t object).  
?C:.  
?H:#\$d\_strerror\_l HAS\_STRERROR\_L /\*\*/  
?H:.  
?LINT:set d\_strerror\_l  
: see if strerror\_l exists  
set strerror\_l d\_strerror\_l  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strerror\_l.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: libs.U,v \$  
?RCS: Revision 3.0.1.6 1997/02/28 16:09:11 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS:  
?RCS: Revision 3.0.1.5 1995/07/25 14:12:05 ram  
?RCS: patch56: now knows about OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.4 1994/10/29 16:24:22 ram  
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/06/20 07:05:44 ram  
?RCS: patch30: code cleanup with if/elif by ADO and RAM  
?RCS: patch30: undone patch23 for libswanted default  
setting  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/06 15:08:45 ram  
?RCS: patch23: now includes ordered default libswanted variable (ADO)  
?RCS: patch23: major cleanup for library lookups (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:31 ram  
?RCS: patch6: added default for libs  
?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:libs libsfound libsfiles libsdirs libspath libscheck: \  
test cat Myread Oldconfig Loc libpth package xlibpth so \_a \  
+usesocks sed +cc +ccflags +ldflags rm

?MAKE: -pick add \$@ %<

?S:libs:

?S: This variable holds the additional libraries we want to use.

?S: It is up to the Makefile to deal with it. The list can be empty.

?S:.

?S:libsfound:

?S: This variable holds the full pathnames of the libraries

?S: we found and accepted.

?S:.

?S:libsfiles:

?S: This variable holds the filenames aka basenames of the libraries

?S: we found and accepted.

?S:.

?S:libsdirs:

?S: This variable holds the directory  
names aka dirnames of the libraries

?S: we found and accepted, duplicates are removed.

?S:.

?S:libspath:

?S: This variable holds the directory names probed for libraries.

?S:.

?S:libscheck:

?S: This variable is intended to be set by hint files, if needed.

?S: It should contain shell code that will be eval'ed with \$xxx holding

?S: some library file. It may change \$xxx if needed.

?S: For instance, on an Irix platform, you may make sure the right

?S: library file is used depending on the cc command line, so that the

?S: correct library is used depending on the selected ABI (for 32 and

?S: 64-bit compilations).

?S:

?S: Here is an example of code that could be found in a hint file on Irix

?S: when the selected compiler was for 32-bit -- that code is put in the

?S: cc.cbu call-back unit to be invoked AFTER the C compiler and its

?S: flags have been chosen:

?S:

?S: libscheck='case "\$xxx" in

?S: \*.a) /bin/ar p \$xxx ` /bin/ar t \$xxx | sed q` >\$\$;.o;

?S: case "`/usr/bin/file \$\$;.o`" in

?S: \*N32\*)

rm -f \$\$;.o ;;

?S: \*) rm -f \$\$;.o; xxx=/no/n32\$xxx ;;

?S: esac ;;

```

?S: *) case "`/usr/bin/file $xxx`" in
?S: *N32*) ;;
?S: *) xxx=/no/n32$xxx ;;
?S: esac ;;
?S: esac'
?S:.
?D:libs="
?LINT:extern libswanted
?LINT:change libswanted
?INIT:: default library list
?INIT:libswanted="
?X: This order is chosen so that libraries -lndir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time. Usually, these are backwards compatability
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version, if
?X: it is available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private
Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: should be set by hint files if needed
?INIT:libscheck="
?T:xxx yyy thislib thisdir libstyle linkmsg
?F:lt.c lt
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
'|') dflt="";;
*) dflt="$libs";;
esac
case "$libswanted" in
") libswanted='c_s';;
esac
?X: libsocks has nasty naming scheme.

```

?X: This does not work if somebody wants SOCKS 4.

```
case "$usesocks" in
"$define") libswanted="$libswanted socks5 socks5_sh" ;;
esac
?X: Used later for link checks
echo "extern char printf(); int main() { printf(); return 0; }" > lt.c
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
  test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted;
do
  for thisdir in $libspath; do
    xxx="
    if test ! -f "$xxx" ; then
      xxx=`ls $thisdir/lib$thislib.$so.[0-9]* 2>/dev/null | $sed -n '1p'`
      $test -f "$xxx" && eval $libscheck
      $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
      xxx=$thisdir/lib$thislib.$so
      $test -f "$xxx" && eval $libscheck
      $test -f "$xxx" && libstyle=shared
    fi
    if test ! -f "$xxx"; then
      xxx=$thisdir/lib$thislib$_a
      $test -f "$xxx" && eval $libscheck
      $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
      xxx=$thisdir/$thislib$_a
      $test -f "$xxx" && eval $libscheck
      $test -f "$xxx" && libstyle=static
    fi
    if test ! -f "$xxx"; then
      xxx=$thisdir/lib${thislib}_s$_a
      $test -f "$xxx" && eval $libscheck
      $test -f "$xxx" && libstyle=static
      $test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
      xxx=$thisdir/Slib$thislib$_a
      $test -f "$xxx" && eval $libscheck
    $test
```



```

-f "$xxx" && libstyle=static
  fi
  if $test -f "$xxx"; then
?X:
?X: It is not sufficient to find a .so on the disk. We must make sure
?X: that we can indeed supply the -lfoo line on the cc line to link against
?X: that library. On Linux for instance, a versionned .so will not be
?X: implicitly linked against, whereas it will work fine on Solaris 2.6.
?X: --RAM, 10/10/2003
?X:
  if $cc -o lt $ccflags $ldflags lt.c -l$thislib >/dev/null 2>&1;
  then
  linkmsg=""
  else
  linkmsg=" but I can't link against it"
  fi
  case "$libstyle" in
  shared) echo "Found -l$thislib (shared)$linkmsg." ;;
  static) echo "Found -l$thislib$linkmsg." ;;
  *)    echo "Found -l$thislib ($libstyle)$linkmsg." ;;
  esac
  case " $dflt " in
  *"-l$thislib" *) ;;
  *)
  case "$linkmsg" in
  ")
  dflt="$dflt -l$thislib"
  libsfound="$libsfound $xxx"
  yyy=`basename $xxx`
  libsfiles="$libsfiles $yyy"
  yyy=`echo $xxx|sed -e "s%/$yyy\\|%%"`
  case " $libsdirs
" in
  *" $yyy" *) ;;
  *) libsdirs="$libsdirs $yyy" ;;
  esac
  ;;
  esac
  ;;
  esac
  break
  fi
done
if $test ! -f "$xxx"; then
  echo "No -l$thislib."
fi
done
set X $dflt

```

```

shift
dflt="$*"
case "$libs" in
") dflt="$dflt";;
*) dflt="$libs";;
esac
case "$dflt" in
'|') dflt='none';;
esac
$rm -f lt.c lt

```

\$cat <<EOM

In order to compile \$package on your machine, a number of libraries are usually needed. Include any other special libraries here as well.

Say "none" for none. The default list is almost always right.

EOM

```

echo " "
rp="Which libraries to use?"
./myread
case "$ans" in
none) libs=' ';;
*) libs="$ans";;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libs.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpwent.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: \$Log: d\_getpwent.U,v \$

?RCS:

?MAKE:d\_getpwent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getpwent:

?S: This variable conditionally defines the HAS\_GETPWENT symbol, which

?S: indicates to the C program that the getpwent() routine is available

?S: for sequential access of the passwd database.

?S:.

?C:HAS\_GETPWENT:

?C: This symbol, if defined, indicates that the getpwent routine is  
?C: available for sequential access of the passwd database.  
?C: If this is not available, the older getpw() function may be available.  
?C:.  
?H:#\$d\_getpwent HAS\_GETPWENT /\*\*/  
?H:.  
?LINT:set d\_getpwent  
: see if getpwent exists  
set getpwent d\_getpwent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getpwent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_ftime.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_ftime.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:06 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_ftime d\_gettimeod: Inlibc Setvar

?MAKE: -pick add \$@ %<

?S:d\_ftime:

?S: This variable conditionally defines the HAS\_FTIME symbol, which indicates

?S: that the ftime() routine exists. The ftime() routine is basically

?S: a sub-second accuracy clock.

?S:.

?S:d\_gettimeod:

?S: This variable conditionally defines the HAS\_GETTIMEOFDAY symbol,  
which

?S: indicates that the gettimeofday() system call exists (to obtain a

?S: sub-second accuracy clock). You should probably include <sys/resource.h>.

?S:.

?C:HAS\_FTIME (FTIMER):

?C: This symbol, if defined, indicates that the ftime() routine exists.

?C: It is basically a sub-second accuracy clock, but is less accurate

?C: than gettimeofday(2) anyway. The type "Timeval" should be used to

?C: refer to "struct timeb".

```

?C:.
?C:HAS_GETTIMEOFDAY (GETTIMEOFDAY):
?C: This symbol, if defined, indicates that the gettimeofday() system
?C: call is available for a sub-second accuracy clock. Usually, the file
?C: <sys/resource.h> needs to be included (see I_SYS_RESOURCE).
?C: The type "Timeval" should be used to refer to "struct timeval".
?C:.
?H:#$d_ftime HAS_FTIME /**/
?H:#$d_gettimeod HAS_GETTIMEOFDAY /**/
?H:?%<:@if HAS_FTIME
?H:?%<:#ifdef HAS_FTIME
?H:?%<:#define Timeval struct timeb /* Structure used by ftime() */
?H:?%<:#endif
?H:?%<:@end
?H:?%<:@if HAS_GETTIMEOFDAY
?H:?%<:#ifdef HAS_GETTIMEOFDAY
?H:?%<:#define
Timeval struct timeval /* Structure used by gettimeofday() */
?H:?%<:#endif
?H:?%<:@end
?H:.
?X:FIXME
?X:?I:?d_ftime:i_systimeb
?X:?I:?d_gettimeod:i_sysresrc
?LINT:set d_gettimeod d_ftime
?LINT:known Timeval
: see if gettimeofday or ftime exists
?X:
?X: Give priority to gettimeofday(2) because timing is more accurate
?X:
set gettimeofday d_gettimeod
eval $inlibc
case "$d_gettimeod" in
"$undef")
set ftime d_ftime
eval $inlibc
;;
*)
val="$undef"; set d_ftime; eval $setvar
;;
esac
case "$d_gettimeod$d_ftime" in
"$undef$undef")
echo " "
echo 'No ftime() nor gettimeofday() -- timing may be less accurate.' >&4
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ftime.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2009 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_getaddrinfo: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getaddrinfo:

?S: This variable conditionally defines the HAS\_GETADDRINFO symbol,

?S: which indicates to the C program that the getaddrinfo() function

?S: is available.

?S:.

?C:HAS\_GETADDRINFO:

?C: This symbol, if defined, indicates that the getaddrinfo() function

?C: is available for use.

?C:.

?H:#\$d\_getaddrinfo HAS\_GETADDRINFO /\*\*/

?H:.

?LINT:set d\_getaddrinfo

: see if getaddrinfo exists

set getaddrinfo d\_getaddrinfo

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getaddrinfo.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_dladdr.U,v \$

?RCS:

?MAKE:d\_dladdr: Inlibc

?MAKE: -pick add \$@ %<  
?S:d\_dladdr:  
?S: This variable conditionally defines the HAS\_DLADDR symbol, which  
?S: indicates to the C program that the dladdr() routine is available  
?S: to get a stack trace.  
?S:.  
?C:HAS\_DLADDR:  
?C: This symbol, if defined, indicates that the dladdr() routine is  
?C: available to query dynamic linker information for an address.  
?C: The <dlfcn.h> header must be included to use this routine.  
?C:.  
?H:#\$d\_dladdr HAS\_DLADDR /\*\*/  
?H:.  
?LINT:set d\_dladdr  
:  
  see if dladdr exists  
  set dladdr d\_dladdr  
  eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_dladdr.U

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?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Csym.U,v \$  
?RCS: Revision 3.0.1.4 1995/07/25 13:36:29 ram  
?RCS: patch56: re-arranged compile line to include ldflags before objects  
?RCS: patch56: added quotes for OS/2 support  
?RCS:  
?RCS: Revision 3.0.1.3 1995/05/12 12:00:33 ram  
?RCS: patch54: fixed C test program to bypass gcc builtin type checks (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/10/31 09:34:13 ram  
?RCS: patch44: added Options to the MAKE line since it's no longer in Init.U  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:00:05 ram  
?RCS:

patch6: added ldflags as a conditional dependency and to compile line

?RCS: patch6: a final double quote was missing in csym variable after eval

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:50 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:Csym: Options contains libc libs runnm +cc +ccflags +ldflags rm

?MAKE: -pick add \$@ %<

?LINT:define csym

?LINT:use libc

?S:csym:

?S: This shell variable is used internally by Configure to check

?S: whether a given C symbol is defined or not. A typical use is:

?S: set symbol result [-fva] [previous]

?S: eval \$csym

?S: That will set result to 'true' if the function [-f], variable [-v]

?S: or array [-a] is defined, 'false' otherwise. If a previous value is

?S: given and the -r flag was provided on the command line, that value

?S: is reused without questioning.

?S:.

?V:csym

?T:tval tx tlook tf tdc tc

: is a C symbol defined?

csym='tlook=\$1;

case "\$3" in

-v) tf=libc.tmp; tc=""; tdc="";;

-a) tf=libc.tmp; tc="[0]"; tdc="[]";;

\*) tlook="^\$1\$";

tf=libc.list; tc=""; tdc="()";;

esac;

tx=yes;

case "\$reuseval-\$4" in

true-) ;;

true-\*) tx=no; eval "tval=\\$\$4"; case "\$tval" in "") tx=yes;; esac;;

esac;

case "\$tx" in

yes)

case "\$runnm" in

true)

if \$contains \$tlook \$tf >/dev/null 2>&1;

then tval=true;

else tval=false;

fi;;

\*)

?X:

?X: We use 'char' instead of 'int' to try to circumvent overzealous

?X: optimizing compilers using built-in prototypes for commonly used

?X: routines to complain when seeing a different external declaration. For

?X: instance, gcc 2.6.3 fails if we use 'int' and we attempt a test against  
?X: memcpy() on machines where sizeof(int) == sizeof(char \*) (the usual return  
?X: type), the compiler assuming it's a built-in declaration given that the  
?X: returned size matches. At least with 'char' we are safe! -- RAM, for ADO  
?X:

?X: Let's thank GNU cc for making our lifes so easy! :-)

?X: (An alternative for the future would be to use our knowledge about gcc

?X: to force a -fno-builtin option in the  
compile test, in case the 'char'

?X: trick is obsoleted by future gcc releases). -- RAM

?X:

?X: Lastly, gcc 3.4 otimizes &missing == 0 away, so we use + 2 instead now.

?X: The GNU folks like to do weird things, don't they? -- RAM, 2004-06-05

?X:

```
echo "extern char $1$tdc; int main() { return &$1$tc + 2; }" > t.c;
```

```
if $cc $ccflags $ldflags -o t t.c $libs >/dev/null 2>&1;
```

```
then tval=true;
```

```
else tval=false;
```

```
fi;
```

```
$rm -f t t.c;;
```

```
esac;;
```

```
*)
```

```
case "$tval" in
```

```
$define) tval=true;;
```

```
*) tval=false;;
```

```
esac;;
```

```
esac;
```

```
eval "$2=$tval"
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Csym.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: pidtype.U,v 3.0.1.1 1994/08/29 16:31:27 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: pidtype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:31:27 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:



?RCS: Revision 3.0 1993/08/18 12:09:33 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:pidtype: Myread Typedef  
?MAKE: -pick add \$@ %<  
?S:pidtype:  
?S: This variable defines PIDTYPE to be something like pid\_t, int,  
?S: ushort, or whatever type is used to declare process ids in the kernel.  
?S:.  
?C:Pid\_t (PIDTYPE):  
?C: This  
symbol holds the type used to declare process ids in the kernel.  
?C: It can be int, uint, pid\_t, etc... It may be necessary to include  
?C: <sys/types.h> to get any typedef'ed information.  
?C:.  
?H:#define Pid\_t \$pidtype /\* PID type \*/  
?H:.  
?LINT: set pidtype  
: see what type pids are declared as in the kernel  
rp="What is the type of process ids on this system?"  
set pid\_t pidtype int stdio.h sys/types.h  
eval \$typedef\_ask

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/pidtype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_semctl.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_semctl.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:04 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_semctl: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_semctl:  
?S: This variable conditionally defines the HAS\_SEMCTL symbol, which  
?S: indicates to the C program that the semctl() routine is available.  
?S:.

?C:HAS\_SEMCTL:

?C: This symbol, if defined, indicates that the semctl() routine is

?C: available to perform semaphore control operations.

?C:.

?H:#\$d\_semctl

HAS\_SEMCTL /\*\*/

?H:.

?LINT:set d\_semctl

: see if semctl exists

set semctl d\_semctl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_semctl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

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?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: sitearch.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:21:30 ram

?RCS: patch61: created

?RCS:

?MAKE:sitearch sitearchexp installsitearch: afs cat Getfile \

Oldconfig Prefixit prefix test archname sitelib

?MAKE: -pick add \$@ %<

?Y:TOP

?S:sitearch:

?S: This variable contains the eventual value of the SITEARCH symbol,

?S: which is the name of the private library for this package. It may

?S: have a ~ on the front. It is up to the makefile to eventually create

?S: this

directory while performing installation (with ~ substitution).

?S:.

?S:sitearchexp:

?S: This variable is the ~name expanded version of sitearch, so that you

?S: may use it directly in Makefiles or shell scripts.

?S:.

?S:installsitearch:

?S: This variable is really the same as sitearchexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.

?S:.

?C:SITEARCH:

?C: This symbol contains the name of the private library for this package.

?C: The library is private in the sense that it needn't be in anyone's

?C: execution path, but it should be accessible by the world. The program

?C: should be prepared to do ~ expansion.

?C: The standard distribution will put nothing in this directory.

?C: Individual sites may place their own extensions and modules in

?C: this directory.

?C:.

?C:SITEARCH\_EXP:

?C: This symbol contains the ~name expanded version of SITEARCH, to be used

?C: in programs that are not prepared to deal  
with ~ expansion at run-time.

?C:.

```
?H:#define SITEARCH "$sitearch" /**/
```

```
?H:#define SITEARCH_EXP "$sitearchexp" /**/
```

?H:.

?T:xxx

: determine where site specific architecture-dependent libraries go.

```
xxx=`echo $sitelib/$sarchname | sed 's!^$prefix!!`
```

: xxx is usually lib/site\_perl/archname.

```
set sitearch sitearch none
```

```
eval $prefixit
```

```
case "$sitearch" in
```

```
  ") dflt="$sitelib/$sarchname" ;;
```

```
  *) dflt="$sitearch" ;;
```

```
esac
```

```
$cat <<EOM
```

The installation process will also create a directory for  
architecture-dependent site-specific extensions and modules.

EOM

```
fn=nd~+
```

```
rp='Pathname for the site-specific architecture-dependent library files?'
```

```
./getfile
```

```
if $test "X$sitearchexp" != "X$sansexp"; then
```

```
  installsitearch="
```

```
fi
```

```
sitearch="$sans"
```

```
sitearchexp="$sansexp"
```

```
if $afs; then
```

```
$cat <<EOM
```

Since you are running AFS, I need to distinguish the directory in which private files reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

EOM

```
case
"$installsitearch" in
") dflt=`echo $sitearchexp | sed 's#^/afs/#/afs/.#`;;
*) dflt="$installsitearch";;
esac
fn=de~
rp='Where will private files be installed?'
./getfile
installsitearch="$ans"
else
installsitearch="$sitearchexp"
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sitearch.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Tr.U,v \$

?RCS: Revision 3.0.1.2 1994/10/29 18:00:54 ram

?RCS: patch43: forgot to quote \$@ to protect against "evil" characters

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 15:58:35 ram

?RCS: patch36: created

?RCS:

?X:

?X: This unit produces a bit of shell code that must be dotted in in order

?X: to do a character translation. It catches translations to uppercase or

?X: to lowercase, and then invokes the real tr to perform the job.

?X:

?X: This unit is necessary on HP machines (HP strikes again!)

with non-ascii

?X: ROMAN8-charset, where normal letters are not arranged in a row, so a-z

?X: covers not the whole alphabet but lots of special chars. This was reported

?X: by Andreas Sahlbach <a.sahlbach@tu-bs.de>.

?X:

?X: Units performing a tr '[A-Z]' '[a-z]' or the other way round should include

?X: us in their dependency and use ./tr instead.

?X:

?MAKE:Tr: startsh tr eunicefix

?MAKE: -pick add \$@ %<

?F:./tr

?T:up low LC\_ALL

: see whether [:lower:] and [:upper:] are supported character classes

echo " "

case ""echo AbyZ | LC\_ALL=C \$tr '[:lower:]' '[:upper:]' 2>/dev/null`" in  
ABYZ)

echo "Good, your tr supports [:lower:] and [:upper:] to convert case." >&4

up='[:upper:]'

low='[:lower:]'

::

\*) # There is a discontinuity in EBCDIC between 'I' and 'J'

# (0xc9 and 0xd1), therefore that is a nice testing point.

if test "X\$up" = X -o "X\$low" = X; then

case ""echo IJ | LC\_ALL=C \$tr '[I-J]' '[i-j]' 2>/dev/null`" in

ij) up='A-Z'

low='a-z'

::

esac

fi

if test "X\$up" = X -o "X\$low" = X; then

case ""echo IJ | LC\_ALL=C \$tr I-J i-j 2>/dev/null`" in

ij) up='A-Z'

low='a-z'

::

esac

fi

if test "X\$up" = X -o "X\$low" = X; then

case ""echo IJ | od -x 2>/dev/null`" in

\*C9D1\*|\*c9d1\*)

echo "Hey, this might be EBCDIC." >&4

if test "X\$up" = X -o "X\$low" = X; then

case ""echo IJ | \

LC\_ALL=C \$tr '[A-IJ-RS-Z]' '[a-ij-rs-z]' 2>/dev/null`" in

ij) up='A-IJ-RS-Z'

low='a-ij-rs-z'

::

esac

fi

if test "X\$up" = X -o "X\$low" = X; then

```

case "`echo IJ | LC_ALL=C $tr A-IJ-RS-Z a-ij-rs-z 2>/dev/null`" in
ij) up='A-IJ-RS-Z'
    low='a-ij-rs-z'
;;
esac
fi
;;
esac
fi
esac
case "`echo IJ | LC_ALL=C $tr \"$Sup\" \"$Low\" 2>/dev/null`" in
ij)
    echo "Using $up and $low to convert case." >&4
    ;;
*)
    echo "I don't know how to translate letters from upper to lower case." >&4
    echo "Your tr is not acting any way I know of." >&4
    exit 1
    ;;
esac
: set up the translation script tr, must be called with ./tr of course
cat >tr <<EOSC
$startsh
case "$1$2" in
[A-Z][a-z]) LC_ALL=C exec $tr '$up' '$low';;
[a-z][A-Z]) LC_ALL=C exec $tr '$low' '$up';;
esac
LC_ALL=C exec $tr "$@"
EOSC
chmod +x tr
$unicefix tr

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Tr.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: libyacc.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: libyacc.U,v \$

```

?RCS: Revision 3.0.1.4 1997/02/28 16:09:19 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.3 1994/05/13 15:27:12 ram
?RCS: patch27: added yacc case (ADO)
?RCS:
?RCS: Revision 3.0.1.2 1994/05/06 15:09:01 ram
?RCS: patch23: now uses full library path instead of -l notation
?RCS:
?RCS: Revision 3.0.1.1 1994/01/24 14:13:49 ram
?RCS: patch16: un-obsolete this unit for smooth yacc compilations
?RCS:
?RCS:
Revision 3.0 1993/08/18 12:09:04 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:libyacc: Loc yacc libpth _a
?MAKE: -pick add $@ %<
?S:libyacc:
?S: This variable contains the argument to pass to the loader in order
?S: to get the yacc library routines. If there is no yacc or yacc
?S: library, it is null.
?S:.
?T:xxx
: see if we should include -ly
echo " "
case "$yacc" in
*byacc*)
echo "You are using yacc, so I won't look for a yacc library." >&4
libyacc="
;;
*yacc)
xxx=`./loc liby$_a x $libpth`
case "$xxx" in
x)
echo "No yacc library found." >&4
libyacc="
;;
*)
echo "yacc library found in $xxx." >&4
libyacc="$xxx"
;;
esac
;;
*bison*)
echo "You are using bison, so I won't look for a yacc library." >&4
libyacc="
;;

```

```
*)  
echo "You don't seem to have yacc, so I won't look for the yacc library." >&4  
libyacc="  
;;  
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libyacc.U
```

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?RCS: Copyright (c) 2017, Lukas Mai

?RCS:

?RCS: You may distribute this file under the terms of either

?RCS: a) the "Artistic License" which comes with Perl, or

?RCS: b) the "Artistic License" which comes with dist, or

?RCS: c) the GNU General Public License as published by the Free

?RCS: Software Foundation; either version 1, or (at your option) any

?RCS: later version (see the file "Copying" that comes with the

?RCS: Perl distribution).

?RCS: Which one to use is your choice.

?RCS: See the U/README file.

?MAKE:d\_builtin\_add\_overflow d\_builtin\_sub\_overflow d\_builtin\_mul\_overflow : Compile Setvar cat run rm\_try

?MAKE: -pick add \$@ %<

?S:d\_builtin\_add\_overflow:

?S: This variable conditionally defines HAS\_BUILTIN\_ADD\_OVERFLOW, which

?S: indicates that the compiler supports \_\_builtin\_add\_overflow(x,y,&z)

?S: for safely adding x and y into z while checking for overflow.

?S:.

?S:d\_builtin\_sub\_overflow:

?S: This

variable conditionally defines HAS\_BUILTIN\_SUB\_OVERFLOW, which

?S: indicates that the compiler supports \_\_builtin\_sub\_overflow(x,y,&z)

?S: for safely subtracting y from x into z while checking for overflow.

?S:.

?S:d\_builtin\_mul\_overflow:

?S: This variable conditionally defines HAS\_BUILTIN\_MUL\_OVERFLOW, which

?S: indicates that the compiler supports \_\_builtin\_mul\_overflow(x,y,&z)

?S: for safely multiplying x and y into z while checking for overflow.

?S:.

?C:HAS\_BUILTIN\_ADD\_OVERFLOW:

?C: This symbol, if defined, indicates that the compiler supports

?C: \_\_builtin\_add\_overflow for adding integers with overflow checks.

?C:.

?C:HAS\_BUILTIN\_SUB\_OVERFLOW:

?C: This symbol, if defined, indicates that the compiler supports

?C: \_\_builtin\_sub\_overflow for subtracting integers with overflow checks.

?C:.



```

?C:HAS_BUILTIN_MUL_OVERFLOW:
?C: This symbol, if defined, indicates that the compiler supports
?C: __builtin_mul_overflow for multiplying integers with overflow checks.
?C:.
?H:#$d_builtin_add_overflow
HAS_BUILTIN_ADD_OVERFLOW /**/
?H:#$d_builtin_sub_overflow HAS_BUILTIN_SUB_OVERFLOW /**/
?H:#$d_builtin_mul_overflow HAS_BUILTIN_MUL_OVERFLOW /**/
?H:.
?F:!try
?LINT:set d_builtin_add_overflow d_builtin_sub_overflow d_builtin_mul_overflow
: Look for GCC-style __builtin_add_overflow
case "$d_builtin_add_overflow" in
")
    echo " "
    echo "Checking whether your compiler can handle __builtin_add_overflow ..." >&4
    $cat >try.c <<'EOCP'
int main(void) {
    const unsigned int uint_max = ~0u;
    int target_int = 0;
    if (__builtin_add_overflow(1, 2, &target_int) || target_int != 3) {
        return 1;
    }
    if (!__builtin_add_overflow((int)(uint_max >> 1), 1, &target_int)) {
        return 1;
    }
    if (!__builtin_add_overflow(uint_max, -1, &target_int)) {
        return 1;
    }
    return 0;
}
EOCP
set try
if eval $compile && $run ./try; then
    echo "Your C compiler supports __builtin_add_overflow."
    val="$define"
else
    echo
    "Your C compiler doesn't seem to understand __builtin_add_overflow."
    val="$undef"
fi
;;
*) val="$d_builtin_add_overflow" ;;
esac

set d_builtin_add_overflow
eval $setvar
$rm_try

```

```

: Look for GCC-style __builtin_sub_overflow
case "$d_builtin_sub_overflow" in
")
  echo " "
  echo "Checking whether your compiler can handle __builtin_sub_overflow ..." >&4
  $cat >try.c <<'EOCP'
int main(void) {
  const unsigned int uint_max = ~0u;
  int target_int = 0;
  if (__builtin_sub_overflow(1, -2, &target_int) || target_int != 3) {
    return 1;
  }
  if (!__builtin_sub_overflow(-(int)(uint_max >> 1), 2, &target_int)) {
    return 1;
  }
  if (!__builtin_sub_overflow(uint_max, 1, &target_int)) {
    return 1;
  }
  return 0;
}
EOCP
set try
if eval $compile && $run ./try; then
  echo "Your C compiler supports __builtin_sub_overflow."
  val="$define"
else
  echo "Your C compiler doesn't seem to understand __builtin_sub_overflow."
  val="$undef"
fi
;;
*) val="$d_builtin_sub_overflow" ;;
esac

```

```

set d_builtin_sub_overflow
eval $setvar
$rm_try

```

```

: Look for GCC-style __builtin_mul_overflow
case "$d_builtin_mul_overflow" in
")
  echo " "
  echo "Checking whether your compiler can handle __builtin_mul_overflow ..." >&4
  $cat >try.c <<'EOCP'
int main(void) {
  const unsigned int uint_max = ~0u;
  int target_int = 0;
  if (__builtin_mul_overflow(2, 3, &target_int) || target_int != 6) {

```

```

    return 1;
}
if (!__builtin_mul_overflow((int)(uint_max >> 1), 2, &target_int)) {
    return 1;
}
if (!__builtin_mul_overflow(uint_max, 1, &target_int)) {
    return 1;
}
return 0;
}

```

EOCP

```

set try
if eval $compile && $run ./try; then
    echo "Your C compiler supports __builtin_mul_overflow."
    val="$define"
else
    echo "Your C compiler doesn't seem to understand __builtin_mul_overflow."
    val="$undef"
fi
;;
*) val="$d_builtin_mul_overflow"
;;
esac

```

```

set d_builtin_mul_overflow
eval $setvar
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_builtin_overflow.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_fp.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:i\_fp: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_fp:

?S: This variable conditionally defines the I\_FP symbol, and indicates

?S: whether a C program should include <fp.h>.

?S:.

?C:I\_FP:

?C: This symbol, if defined, indicates that <fp.h> exists and

?C: should be included.

?C:.

?H:#\$i\_fp I\_FP /\*\*/

?H:.

?LINT:set i\_fp

: see if this is a fp.h system

set fp.h i\_fp

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vaprotol.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: vaprotol.U,v \$

?RCS: Revision 3.0.1.1 1994/01/24 14:17:16 ram

?RCS: patch16: definition of \_V now appears only when needed

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:59 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:vaprotol: prototype i\_stdarg Setvar

?MAKE: -pick add \$@ %<

?S:vaprotol:

?S: This variable conditionally defines CAN\_VAPROTO on systems supporting

?S: prototype

declaration of functions with a variable number of

?S: arguments. See also prototype.

?S:.

?C:CAN\_VAPROTO ~ %<:

?C: This variable is defined on systems supporting prototype declaration

?C: of functions with a variable number of arguments.

?C:.

?C:\_V:

?C: This macro is used to declare function parameters in prototypes for

?C: functions with a variable number of parameters. Use double parentheses.

?C: For example:

?C:

?C: int printf \_V((char \*fmt, ...));

?C:

?C: Remember to use the plain simple \_() macro when declaring a function

?C: with no variable number of arguments, since it might be possible to

?C: have a non-effect \_V() macro and still get prototypes via \_().

?C:.

?H: ?%<: # \$ vaproto CAN\_VAPROTO /\*\*/

?H: ? \_V: #ifdef CAN\_VAPROTO

?H: ? \_V: #define \_V(args) args

?H: ? \_V: #else

?H: ? \_V: #define \_V(args) ()

?H: ? \_V: #endif

?H:.

?LINT: set vaproto

: see if prototypes support variable argument declarations

echo " "

case "\$prototype\$i\_stdarg" in

\$define\$define)

echo "It appears we'll be able

to prototype varargs functions." >&4

val="\$define"

::

\*)

echo "Too bad... We won't be using prototyped varargs functions..." >&4

val="\$undef"

::

esac

set vaproto

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/vaproto.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_ustat.U,v \$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE: i\_ustat: Inhdr Hasfield

?MAKE: -pick add \$@ %<

?S: i\_ustat:

?S: This variable conditionally defines the I\_USTAT symbol, and indicates

?S: whether a C program should include <ustat.h>.  
?S:.  
?C:I\_USTAT:  
?C: This symbol, if defined, indicates that <ustat.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_ustat I\_USTAT /\*\*/  
?H:.  
?LINT:set i\_ustat  
: see if this is a ustat.h system  
set ustat.h i\_ustat  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_ustat.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_memcmp.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_memcmp.U,v \$  
?RCS: Revision 3.0.1.1 1993/09/13 16:02:35 ram  
?RCS: patch10: removed text recommending bcmp over memcmp (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:33 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_memcmp: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_memcmp:  
?S: This variable conditionally defines the HAS\_MEMCMP symbol, which  
?S: indicates to the C program that the memcmp() routine is available  
?S: to compare blocks of  
memory.  
?S:.  
?C:HAS\_MEMCMP (MEMCMP):  
?C: This symbol, if defined, indicates that the memcmp routine is available  
?C: to compare blocks of memory.  
?C:.  
?H:#\$d\_memcmp HAS\_MEMCMP /\*\*/

?H:  
?LINT:set d\_memcmp  
: see if memcmp exists  
set memcmp d\_memcmp  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memcmp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2005 H.Merijn Brand

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_clearenv: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_clearenv:

?S: This variable conditionally defines the HAS\_CLEARENV symbol, which

?S: indicates to the C program that the clearenv () routine is available.

?S:.

?C:HAS\_CLEARENV:

?C: This symbol, if defined, indicates that the clearenv () routine is

?C: available for use.

?C:.

?H:#\$d\_clearenv HAS\_CLEARENV /\*\*/

?H:

?LINT:set d\_clearenv

: see if clearenv exists

set clearenv d\_clearenv

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_clearenv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: AAAAA.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: AAAAA.U,v \$  
?RCS: Revision 3.0.1.4 1994/06/20 06:50:26 ram  
?RCS: patch30: changes from Jarkko Hietaniemi are tagged with JHI  
?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 14:01:39 ram  
?RCS: patch23: initials for Wayne Davison are now WED  
?RCS: patch23: added initials for new unit contributor Andy Dougherty  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:01:09 ram  
?RCS: patch16: make metalint shut up on special unit definition for All target  
?RCS:  
?RCS: Revision  
3.0.1.1 1993/09/13 15:43:57 ram  
?RCS: patch10: documents initials used for Wayne Davison's contributions  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:44 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: The purpose of this file is to supply the head of the Makefile created  
?X: by metaconfig. For this reason it must be first in alphabetical order.  
?X: The leading '+' in front of the unit name is a hint for metalint, since  
?X: the use of that special unit name as a "made" unit is legitimate here.  
?X:  
?MAKE:+All: Finish  
?X:  
?X: Throughout the units, the following initials are used to identify comments:  
?X:  
?X: HMS: Harlan Stenn  
?X: RAM: Raphael Manfredi  
?X: WED: Wayne Davison (was WAD by mistake--RAM)  
?X: ADO: Andy Dougherty  
?X: JHI: Jarkko Hietaniemi  
?X:  
?X: Agreed, this is a weird place to document it, but I couldn't find a better  
?X: place to do so. I've bet on the curiosity of users, who would probably  
?X: want to know what's in this strangely-named file--RAM.

Found  
in path(s):  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/AAAAA.U  
No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_syslog.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:



?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_syslog.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:46:56 ram

?RCS: patch61: replaced .o with \$\_o all over the place

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:43 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_syslog: test Csym Setvar Findhdr

?MAKE: -pick add \$@ %<

?S:d\_syslog:

?S: This variable conditionally defines the HAS\_SYSLOG symbol, which

?S: indicates to the C program that syslog() exists on this system.

?S:.

?C:HAS\_SYSLOG

(LIBSYSLOG):

?C: This symbol, if defined, indicates that the program can rely on the

?C: system providing syslog(). Otherwise, the syslog code provided by

?C: the package should be used.

?C:.

?H:#\$d\_syslog HAS\_SYSLOG /\*\*/

?H:.

?LINT:set d\_syslog

: see if syslog is available

echo " "

if \$test `./findhdr syslog.h` && \

(set syslog val -f d\_syslog; eval \$csym; \$val); then

echo "syslog() found." >&4

val="\$define"

else

echo "syslog() not found in your C library." >&4

val="\$undef"

fi

set d\_syslog

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_syslog.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_nice.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_nice.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:09:48 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_nice: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_nice:  
?S: This variable conditionally defines the HAS\_NICE symbol, which  
?S: indicates to the C program that the nice() routine is available.  
?S:.  
?C:HAS\_NICE :  
?C: This symbol, if defined, indicates that the nice routine is  
?C: available.  
?C:.  
?H:#\$d\_nice  
HAS\_NICE /\*\*/  
?H:.  
?LINT:set d\_nice  
: see if nice exists  
set nice d\_nice  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_nice.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getnbyad.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Andy Dougherty  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_getnbyaddr: Inlibc  
?MAKE: -pick add \$@ %<

?S:d\_getnbyaddr:

?S: This variable conditionally defines the HAS\_GETNETBYADDR symbol, which

?S: indicates to the C program that the getnetbyaddr() routine is available

?S: to look up networks by their IP addresses.

?S:.

?C:HAS\_GETNETBYADDR:

?C: This symbol, if defined, indicates that the getnetbyaddr() routine is

?C: available to look up networks by their IP addresses.

?C:.

?H:#\$d\_getnbyaddr HAS\_GETNETBYADDR /\*\*/

?H:.

?LINT:set d\_getnbyaddr

: see if getnetbyaddr exists

set getnetbyaddr d\_getnbyaddr

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getnbyad.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Config\_h.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Config\_h.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 14:57:43 ram

?RCS: patch61: added support for src.U

?RCS:

?RCS: Revision 3.0.1.4 1995/09/25 09:10:49 ram

?RCS: patch59: commented the purpose of the #un-def directive

?RCS:

?RCS: Revision 3.0.1.3 1995/01/30 14:25:39 ram

?RCS: patch49: typo fixes in leading config.h comment (WED)

?RCS:

?RCS: Revision 3.0.1.2 1993/08/24 12:13:20 ram

?RCS: patch3: added TOP as a local shell temporary variable

?RCS:

?RCS:

Revision 3.0.1.1 1993/08/19 06:42:20 ram

?RCS: patch1: leading config.sh searching was not aborting properly

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:47 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This file ends up producing the config\_h.SH script, which is run to produce

?X: the config.h file. The file ./Config\_h below contains all the ?H: lines

?X: extracted out of all the units. Metaconfig itself adds the !GROK!THIS!.

?X: Note that this code isn't included into Configure, but must be shipped with.

?X:

?X: For those who wish to know why the file is config\_h.SH instead of the more

?X: natural config.h.SH, well... it is to support systems like MS-DOG. Only one

?X: 'dot' is allowed within the file name, as it is part of the "extension" of

?X: the file. MS-DOG will not let you have two 'dots' because that would mean

?X: two "extensions".

?X:

?MAKE:Config\_h: Id End Config\_sh Obsol\_h myuname cf\_time cf\_by package src

?MAKE: -pick c\_h\_weed \$@ %<

?MAKE: -pick

c\_h\_weed \$@ ./Config\_h

?MAKE: -pick c\_h\_weed \$@ ./Obsol\_h

?T:PERL\_CONFIG\_SH TOP

?LINT:unclosed !GROK!THIS!

?LINT:extern CONFIG\_H CONFIG\_SH

?LINT:change CONFIG\_H CONFIG\_SH

?X:?LINT:nocomment

: Set up for generating config\_h.SH

case "\$CONFIG\_SH" in

) CONFIG\_SH=config.sh;;

esac

case "\$CONFIG\_H" in

) CONFIG\_H=config.h;;

esac

case \$PERL\_CONFIG\_SH in

)

if test -f \$CONFIG\_SH; then TOP=.;

elif test -f ../\$CONFIG\_SH; then TOP=..;

elif test -f ../../\$CONFIG\_SH; then TOP=../../;

elif test -f ../../../\$CONFIG\_SH; then TOP=../../../;

elif test -f ../../../../\$CONFIG\_SH; then TOP=../../../../;

else

echo "Can't find \$CONFIG\_SH."; exit 1

fi

. \$TOP/\$CONFIG\_SH

::

esac

?X: Make sure we are in the directory where the .SH file is located.

case "\$0" in

\*/\*) cd `expr X\$0 : 'X\(.\*/\)` ;;

```

esac
echo "Extracting $CONFIG_H (with variable substitutions)"
?X:
?X: Since we unconditionally translate leading #undef into /*#define, we're
?X: stuck when we really want to have a #undef in $CONFIG_H.
    That's why there
?X: is provision here for #un-def, which is translated back into #undef after
?X: all original #undef have been processed.
?X:
?X: Previously, we changed all
?X: #undef FOO /**/
?X: into
?X: /*#define FOO /**/
?X: The xlc compiler (available on IBM's AIX) complains that this is
?X: an illegal attempt to write a nested comment, and warns against it.
?X: There's apparently no way to shut the compiler up, either.
?X: This sed command from Hallvard B Furuseth <h.b.furuseth@usit.uio.no>
?X: changes it to
?X: /*#define FOO / **/
sed <<!GROK!THIS! >$CONFIG_H -e 's!^#undef(.*^)\!/*#define\1 \!' -e 's!^#un-def!#undef!'
/* This file was produced by running the config_h.SH script, which
* gets its values from $CONFIG_SH, which is generally produced by
* running Configure.
*
* Feel free to modify any of this as the need arises. Note, however,
* that running config_h.SH again will wipe out any changes you've made.
* For a more permanent change edit $CONFIG_SH and
  rerun config_h.SH.
*/

/* Package name   : $package
* Source directory : $src
* Configuration time: $cf_time
* Configured by   : $cf_by
* Target system   : $myuname
*/

#ifndef _config_h_
#define _config_h_

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/Config_h.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi

```

```

?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:usesocks: Myread Oldconfig Setvar
?MAKE: -pick add $@ %<
?Y:TOP
?S:usesocks:
?S: This variable conditionally defines the USE_SOCKS symbol,
?S: and indicates that Perl should be built to use SOCKS.
?S:.
?C:USE_SOCKS:
?C: This symbol, if defined, indicates that Perl should
?C: be built to use socks.
?C:.
?H:?%<:#ifndef USE_SOCKS
?H:?%<:#$usesocks USE_SOCKS /**/
?H:?%<:#endif
?H:.
?LINT:set usesocks
?INIT:: set usesocks on the Configure command line to enable socks.
: Check is we will use socks
?X: We should really have some explanatory text here, and some
?X: automatic setting of sensible defaults.
case "$usesocks" in
$define|true|[yY]*) dflt='y';
*) dflt='n';;
esac
cat <<EOM

```

Perl can be built to use the SOCKS proxy protocol library. To do so, Configure must be run with -Dusesocks. If you use SOCKS you also need to use the PerlIO abstraction layer, this will be implicitly selected.

If this doesn't make any sense to you, just accept the default '\$dflt'.

```

EOM
rp='Build Perl for SOCKS?'
. ./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set usesocks
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/U/perl/usesocks.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: siteprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: siteprefix.U,v $
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
?RCS: Initial revision
?RCS:
?MAKE:siteprefix siteprefixexp +oldsiteprefix: Getfile Loc Oldconfig cat package prefix
?MAKE: -pick add $@ %<
?S:siteprefix:
?S: This variable holds the full absolute path of the directory below
?S: which the user will install add-on packages.
?S: See INSTALL for usage and examples.
?S:.
?S:siteprefixexp:
?S: This variable holds the full absolute path of the
?S: directory below
?S: which the user will install add-on packages. Derived from siteprefix.
?S:.
?S:oldsiteprefix:
?S: This variable is set non-null if the siteprefix was previously defined
?S: and gets set to a new value. Used internally by Configure only.
?S:.
: Set the siteprefix variables
$cat <<EOM
```

After \$package is installed, you may wish to install various add-on modules and utilities. Typically, these add-ons will be installed under \$prefix with the rest of this package. However, you may wish to install such add-ons elsewhere under a different prefix.

If you do not wish to put everything under a single prefix, that's ok. You will be prompted for the individual locations; this siteprefix is only used to suggest the defaults.

The default should be fine for most people.

```

EOM
fn=d~+
rp='Installation prefix to use for add-on modules and utilities?'
: XXX Here might be another good place for an installstyle setting.
case "$siteprefix" in
") dflt=$prefix ;;
*) dflt=$siteprefix
;;
esac
./getfile
: XXX Prefixit unit does not yet support siteprefix and vendorprefix
oldsiteprefix=""
case "$siteprefix" in
") ;;
*) case "$ans" in
"$prefix") ;;
*) oldsiteprefix="$prefix";;
esac
;;
esac
siteprefix="$ans"
siteprefixexp="$ansexp"

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/siteprefix.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: install.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: install.U,v $
?RCS: Revision 3.0.1.2 1995/09/25 09:16:37 ram
?RCS: patch59: all possible install programs are now looked for
?RCS:
?RCS: Revision 3.0.1.1 1995/01/11 15:30:41 ram
?RCS: patch45: created
?RCS:
?MAKE:install installdir: Loc Oldconfig Getfile cat test startsh rm +cc \
eunicefix package contains mkdir echo n c
?MAKE: -pick add $@ %<

```



?S:install:

?S: This variable contains the name of an install program that can accept

?S: BSD-style arguments.

It must correctly support -c, -s, and -m at least.

?S: It is a fully qualified pathname when found. If you have a local

?S: install.SH file at the root directory of your package, it is assumed to

?S: be the default script emulating a BSD install and the variable will be

?S: set to ./install. Otherwise, it is set to plain 'install', relying on

?S: the user's PATH to perform miracles.

?S:.

?S:installdir:

?S: This variable contains the name of a program that can install nested

?S: directories. Often set to 'mkdir -p', it can also be 'install -d' if

?S: you have such a beast and lack the former. If you have an install.SH

?S: file at the root directory of your package, it will be used in last

?S: resort, setting the variable to './install -d'. Otherwise, it is set to

?S: plain 'mkdir', and cross your fingers!

?S:.

?T:dir file tryit prog creatdir either

?F:!tryinst

: locate a BSD compatible install program

echo " "

echo "Looking for a BSD-compatible install program..." >&4

@if installdir

creatdir="

@end

case

"\$install" in

")

tryit="

for dir in \$pth; do

for file in ginstall installbsd scoinst install; do

if \$test -f \$dir/\$file; then

tryit="\$tryit \$dir/\$file"

fi

done

done

\$cat >try.c <<EOC

int main()

{

printf("OK\n");

exit(0);

}

EOC

if \$cc -o try try.c >/dev/null 2>&1; then

cp try try.ns

strip try >/dev/null 2>&1

else

```

echo "(I can't seem to compile a trivial C program -- bypassing.)"
echo "try" >try
cp try try.ns
fi
$cat >tryinst <<EOS
$startsh
$rm -rf foo d
@if installdir
\ $1 -d foo/bar
@end
$mkdir d
\ $1 -c -m 764 try.ns d
\ $1 -c -s -m 642 try.ns d/try
EOS
chmod +x tryinst
$eunicefix tryinst
dflt=""
either=""
for prog in $tryit; do
  $echo $n "Checking $prog... $c"
  ./tryinst $prog >/dev/null 2>&1
@if installdir
  if $test -d foo/bar; then
    creatdir="$prog -d"
  fi
@end
  (ls -l d/try >try.ls; ls -l d/try.ns >tryno.ls) 2>/dev/null
  if (cmp -s d/try try && cmp -s d/try.ns try.ns && \
    $contains 'rwxrw-r--' tryno.ls && \
    \
    $contains 'rw-r---w-' try.ls) >/dev/null 2>&1
  then
    dflt="$prog"
    echo "ok, that will do."
    break
  fi
  echo "not good$either."
  either=' either'
  $rm -f try*.ls
done
$rm -rf foo d tryinst try try*.ls try.*
case "$dflt" in
  ")
@if {test -f ../install.SH}
  echo "Hopefully, $package comes with its own install script!"
  dflt='../install'
@else
  dflt='install'

```

```

@end
;;
esac
;;
*) dflt="$install";;
esac
$cat <<EOM

```

I will be requiring a BSD-compatible install program (one that allows options like -s to strip executables or -m to specify a file mode) to install \$package.

If the question below contains a fully qualified default path, then it is probably ok. If it is an unqualified name such as 'install', then it means I was unable to find out a good install program I could use. If

```
@if {test -f ../install.SH}
```

you know of one, please tell me about it. If the default is './install', then I shall be using the install script supplied with \$package.

```
@else
```

you know of one,  
please tell me about it.

```
@end
```

EOM

```
@if {test -f ../install.SH}
```

```
fn='/fe~(install,./install)'
```

```
@else
```

```
fn='/fe~(install)'
```

```
@end
```

```
rp="Which install program shall I use?"
```

```
./getfile
```

```
install="$ans"
```

```
@if installdir
```

```
: how can we create nested directories?
```

```
echo " "
```

```
echo "Ok, let's see how we can create nested directories..." >&4
```

```
case "$installdir" in
```

```
")
```

```
?X: First time, maybe we already found out a working one in $creatdir above...
```

```
?X: Prefer "mkdir -p" because of bugs in GNU install when not running as root
```

```
$mkdir -p foo/bar >/dev/null 2>&1
```

```
if $test -d foo/bar; then
```

```
echo "Great, we can build them using 'mkdir -p'."
```

```
creatdir='mkdir -p'
```

```
else
```

```
case "$creatdir" in
```

```
")
```

```

if eval "$install -d foo/bar"; $test -d foo/bar; then
  creatdir="install -d"
  echo "It looks like '$creatdir' will do it for us."
fi
;;
*)
eval "$creatdir foo/bar" >/dev/null 2>&1
if $test -d foo/bar; then
  echo "Ah! We can use '$creatdir' to do just that."
else
  creatdir="
fi
;;
esac
fi
$rm
-rf foo
case "$creatdir" in
")
  echo "Heck! Another ancient system lacking the comfort of modern ones!"
@if { test -f ../install.SH }
  echo "You can thank $package for bringing you its own install script!"
  installdir='./install -d'
@else
  echo "We have no choice but to use plain old 'mkdir' -- wish me luck!"
  installdir=mkdir
@end
;;
*) installdir="$creatdir";;
esac
;;
*) echo "As you already told me, '$installdir' should work.";;
esac

@end

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/install.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_castneg.U,v \$  
?RCS: Revision 3.0.1.2 1995/05/12 12:11:21 ram  
?RCS: patch54: made sure cc and cflags are conditional dependencies  
?RCS: patch54: added improved test case for Interactive Unix  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/29 16:10:50 ram  
?RCS: patch36: don't forget to tell user about compilation failures (ADO)  
?RCS: patch36: declare signal handler correctly using 'signal\_t' (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:47 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: Can  
the compiler cast negative / odd floats to unsigned values.  
?X:  
?MAKE:d\_castneg castflags: cat +cc +cflags rm\_try Setvar signal\_t  
?MAKE: -pick add \$@ %<  
?S:d\_castneg:  
?S: This variable conditionally defines CASTNEG, which indicates  
?S: wether the C compiler can cast negative float to unsigned.  
?S:.  
?S:castflags:  
?S: This variable contains a flag that precise difficulties the  
?S: compiler has casting odd floating values to unsigned long:  
?S: 0 = ok  
?S: 1 = couldn't cast < 0  
?S: 2 = couldn't cast >= 0x80000000  
?S: 4 = couldn't cast in argument expression list  
?S:.  
?C:CASTNEGFLOAT:  
?C: This symbol is defined if the C compiler can cast negative  
?C: numbers to unsigned longs, ints and shorts.  
?C:.  
?C:CASTFLAGS:  
?C: This symbol contains flags that say what difficulties the compiler  
?C: has casting odd floating values to unsigned long:  
?C: 0 = ok  
?C: 1 = couldn't cast < 0  
?C: 2 = couldn't cast >= 0x80000000  
?C: 4 = couldn't cast in argument expression list  
?C:.  
?H:#\$d\_castneg CASTNEGFLOAT /\*\*/  
?H:#define

```

CASTFLAGS $castflags /**/
?H:.
?F:!try
?LINT:set d_castneg
: check for ability to cast negative floats to unsigned
echo " "
echo 'Checking whether your C compiler can cast negative float to unsigned.' >&4
$cat >try.c <<EOCP
#include <sys/types.h>
#include <signal.h>
$signal_t blech() { exit(7); }
$signal_t blech_in_list() { exit(4); }
unsigned long dummy_long(p) unsigned long p; { return p; }
unsigned int dummy_int(p) unsigned int p; { return p; }
unsigned short dummy_short(p) unsigned short p; { return p; }
int main()
{
    double f = -123.;
    unsigned long along;
    unsigned int aint;
    unsigned short ashort;
    int result = 0;

    signal(SIGFPE, blech);
    along = (unsigned long)f;
    aint = (unsigned int)f;
    ashort = (unsigned short)f;
    if (along != (unsigned long)-123)
        result |= 1;
    if (aint != (unsigned int)-123)
        result |= 1;
    if (ashort != (unsigned short)-123)
        result |= 1;
    f = (double)0x40000000;
    f = f + f;
    along = 0;
    along = (unsigned long)f;
    if
    (along != 0x80000000)
        result |= 2;
    f -= 1.;
    along = 0;
    along = (unsigned long)f;
    if (along != 0x7fffffff)
        result |= 1;
    f += 2.;
    along = 0;
    along = (unsigned long)f;

```

```

if (along != 0x80000001)
    result |= 2;
if (result)
    exit(result);
?X:
?X: The following is a test for Interactive Unix Version 4.1, which
?X: has an 'improved' compiler which can correctly cast negative
?X: floats in expression lists, but apparently not in argument lists.
?X: Contributed by Winfried Koenig <win@incom.rhein-main.de>
?X:
signal(SIGFPE, blech_in_list);
f = 123.;
along = dummy_long((unsigned long)f);
aint = dummy_int((unsigned int)f);
ashort = dummy_short((unsigned short)f);
if (along != (unsigned long)123)
    result |= 4;
if (aint != (unsigned int)123)
    result |= 4;
if (ashort != (unsigned short)123)
    result |= 4;
exit(result);

```

}

EOCP

```

if $cc $ccflags -o try try.c >/dev/null 2>&1; then
    ./try
    castflags=$?
else
    echo "(I can't seem to compile the test program--assuming it can't)"
    castflags=7
fi
case
"$castflags" in
0) val="$define"
    echo "Yup, it can."
    ;;
*) val="$undef"
    echo "Nope, it can't."
    ;;
esac
set d_castneg
eval $setvar
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_castneg.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_shmctl.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_shmctl.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:18 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_shmctl: Inlibc
?MAKE: -pick add $@ %<
?S:d_shmctl:
?S: This variable conditionally defines the HAS_SHMCTL symbol, which
?S: indicates to the C program that the shmctl() routine is available.
?S:.
?C:HAS_SHMCTL:
?C: This symbol, if defined, indicates that the shmctl() routine is
?C: available to perform shared memory control operations.
?C:.
?H:#$d_shmctl
HAS_SHMCTL /**/
?H:.
?LINT:set d_shmctl
: see if shmctl exists
set shmctl d_shmctl
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_shmctl.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sysman.U,v 3.0.1.2 1994/06/20 07:08:43 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
```



```

?RCS:
?RCS: $Log: sysman.U,v $
?RCS: Revision 3.0.1.2 1994/06/20 07:08:43 ram
?RCS: patch30: now explicitly states that /usr/man/man1 is the default
?RCS: patch30: added /usr/local/man/man1 to the search list
?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:13:50 ram
?RCS: patch10: added support for /local/man/man1 (WAD)
?RCS: patch10: added temporary syspath variable to cut down on line length
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:55 ram
?RCS: Baseline for dist 3.0 worldwide
release.
?RCS:
?MAKE:sysman: test Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
syspath='/usr/share/man/man1 /usr/man/man1'
syspath="$syspath /usr/man/mann /usr/man/man1 /usr/man/local/man1"
syspath="$syspath /usr/man/u_man/man1"
syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
sysman=`./loc . /usr/man/man1 $syspath`
;;
esac
if $test -d "$sysman"; then
echo "System manual is in $sysman." >&4
else
echo "Could not find manual pages in source form."
>&4
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/sysman.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_gconvert.U,v 3.0.1.3 1997/02/28 15:33:38 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_gconvert.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:33:38 ram

?RCS: patch61: integrated new unit from perl5

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 13:55:59 ram

?RCS: patch56: improved comments about the Gconvert macro (ADO)

?RCS: patch56: force compile-link test since it may exist but be unusable (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:12:51 ram

?RCS: patch36:  
created by ADO

?RCS:

?MAKE:d\_Gconvert: \  
Compile cat Inlibc rm \_o rm\_try i\_stdlib d\_qgcvrt run \  
uselongdouble d\_longdbl d\_PRIgldbl sPRIgldbl

?MAKE: -pick add \$@ %<

?S:d\_Gconvert:

?S: This variable holds what Gconvert is defined as to convert  
?S: floating point numbers into strings. By default, Configure  
?S: sets this macro to use the first of gconvert, gcvt, or sprintf  
?S: that pass sprintf-%g-like behavior tests. If perl is using  
?S: long doubles, the macro uses the first of the following  
?S: functions that pass Configure's tests: qgcvrt, sprintf (if  
?S: Configure knows how to make sprintf format long doubles--see  
?S: sPRIgldbl), gconvert, gcvt, and sprintf (casting to double).  
?S: The gconvert\_preference and gconvert\_Id\_preference variables  
?S: can be used to alter Configure's preferences, for doubles and  
?S: long doubles, respectively. If present, they contain a  
?S: space-separated list of one or more of the above function  
?S: names in the order they should be tried.

?S:

?S: d\_Gconvert  
may be set to override Configure with a platform-  
?S: specific function. If this function expects a double, a  
?S: different value may need to be set by the uselongdouble.cbu  
?S: call-back unit so that long doubles can be formatted without

?S: loss of precision.  
 ?S:.  
 ?C:Gconvert:  
 ?C: This preprocessor macro is defined to convert a floating point  
 ?C: number to a string without a trailing decimal point. This  
 ?C: emulates the behavior of sprintf("%g"), but is sometimes much more  
 ?C: efficient. If gconvert() is not available, but gcvt() drops the  
 ?C: trailing decimal point, then gcvt() is used. If all else fails,  
 ?C: a macro using sprintf("%g") is used. Arguments for the Gconvert  
 ?C: macro are: value, number of digits, whether trailing zeros should  
 ?C: be retained, and the output buffer.  
 ?C: The usual values are:  
 ?C: d\_Gconvert='gconvert((x),(n),(t),(b))'  
 ?C: d\_Gconvert='gcvt((x),(n),(b))'  
 ?C: d\_Gconvert='sprintf((b),"%.\*g",(n),(x))'  
 ?C: The last two assume trailing zeros should  
 not be kept.  
 ?C:.  
 ?H:#define Gconvert(x,n,t,b) \$d\_Gconvert  
 ?H:.  
 ?T: xxx\_list xxx\_convert xxx\_ld\_list  
 ?F:!try  
 ?LINT:extern gconvert\_preference  
 ?LINT:extern gconvert\_ld\_preference  
 : Check how to convert floats to strings.

```

if test "X$d_Gconvert" = X; then

echo " "
echo "Checking for an efficient way to convert floats to strings."
echo " " > try.c
case "$uselongdouble" in
"$define") echo "#define USE_LONG_DOUBLE" >>try.c ;;
esac
case "$d_longdbl" in
"$define") echo "#define HAS_LONG_DOUBLE" >>try.c ;;
esac
case "$d_PRIgdbl" in
"$define") echo "#define HAS_PRIgdbl" >>try.c ;;
esac
$cat >>try.c <<EOP
#ifdef TRY_gconvert
#define Gconvert(x,n,t,b) gconvert((x),(n),(t),(b))
char *myname = "gconvert";
#endif
#ifdef TRY_gcvt
#define Gconvert(x,n,t,b) gcvt((x),(n),(b))
char *myname = "gcvt";

```

```

#endif
#ifdef TRY_qgcvt
#define Gconvert(x,n,t,b) qgcvt((x),(n),(b))
char *myname = "qgcvt";
#define DOUBLETYP long double
#endif
#ifdef TRY_sprintf
#if defined(USE_LONG_DOUBLE) && defined(HAS_LONG_DOUBLE)
#ifdef
HAS_PRIgdbl
#define Gconvert(x,n,t,b) sprintf((b),"%.*"$sPRIgdbl,(n),(x))
#else
#define Gconvert(x,n,t,b) sprintf((b),"%.*g",n),(double)(x))
#endif
#else
#define Gconvert(x,n,t,b) sprintf((b),"%.*g",n),(x))
#endif
char *myname = "sprintf";
#endif

#ifdef DOUBLETYP
#if defined(USE_LONG_DOUBLE) && defined(HAS_LONG_DOUBLE)
#define DOUBLETYP long double
#else
#define DOUBLETYP double
#endif
#endif

#include <stdio.h>

#ifdef _STDLIB
#include <stdlib.h>
#endif
#include <string.h>

int checkit(char *expect, char *got)
{
    if (strcmp(expect, got) {
        printf("%s oddity: Expected %s, got %s\n",
            myname, expect, got);
        exit(1);
    }
}

int main()
{
    char buf[64];

```

```
buf[63] = '\0';

/* This must be 1st test on (which?) platform */
/* Alan Burlison <AlanBurlsin@unn.unisys.com> */
Gconvert((DOUBLETTYPE)0.1, 8, 0, buf);
checkit("0.1", buf);

Gconvert((DOUBLETTYPE)0.01, 8, 0, buf);
checkit("0.01", buf);

Gconvert((DOUBLETTYPE)0.001, 8, 0, buf);
checkit("0.001",
buf);

Gconvert((DOUBLETTYPE)0.0001, 8, 0, buf);
checkit("0.0001", buf);

Gconvert((DOUBLETTYPE)0.00009, 8, 0, buf);
if (strlen(buf) > 5)
    checkit("9e-005", buf); /* for Microsoft ?? */
else
    checkit("9e-05", buf);

Gconvert((DOUBLETTYPE)1.0, 8, 0, buf);
checkit("1", buf);

Gconvert((DOUBLETTYPE)1.1, 8, 0, buf);
checkit("1.1", buf);

Gconvert((DOUBLETTYPE)1.01, 8, 0, buf);
checkit("1.01", buf);

Gconvert((DOUBLETTYPE)1.001, 8, 0, buf);
checkit("1.001", buf);

Gconvert((DOUBLETTYPE)1.0001, 8, 0, buf);
checkit("1.0001", buf);

Gconvert((DOUBLETTYPE)1.00001, 8, 0, buf);
checkit("1.00001", buf);

Gconvert((DOUBLETTYPE)1.000001, 8, 0, buf);
checkit("1.000001", buf);

Gconvert((DOUBLETTYPE)0.0, 8, 0, buf);
checkit("0", buf);

Gconvert((DOUBLETTYPE)-1.0, 8, 0, buf);
```

```

checkit("-1", buf);

/* Some Linux gcvt's give 1.e+5 here. */
Gconvert((DOUBLETTYPE)100000.0, 8, 0, buf);
checkit("100000", buf);

/* Some Linux gcvt's give -1.e+5 here. */
Gconvert((DOUBLETTYPE)-100000.0,
8, 0, buf);
checkit("-100000", buf);

Gconvert((DOUBLETTYPE)123.456, 8, 0, buf);
checkit("123.456", buf);

/* Testing of 1e+129 in bigintpm.t must not get extra '.' here. */
Gconvert((DOUBLETTYPE)1e34, 8, 0, buf);
/* 34 should be enough to scare even long double
* places into using the e notation. */
if (strlen(buf) > 5)
    checkit("1e+034", buf); /* for Microsoft */
else
    checkit("1e+34", buf);

/* For Perl, if you add additional tests here, also add them to
* t/base/num.t for benefit of platforms not using Configure or
* overriding d_Gconvert */

exit(0);
}
EOP
?X: List of order in which to search for functions.
?X: Usual order of efficiency is gconvert gcvt sprintf
?X: If a hint file sets a d_Gconvert="gconvert" or "gcvt" or "sprintf",
?X: then that is taken as a hint for which function to try first.
?X: (e.g. that function may be in a problematic /usr/ucblib library, and
?X: the user may or may not choose to use -luch stuff.)
?X: Any other hint file
(or previous config.sh) setting is left intact.
: first add preferred functions to our list
xxx_list=""
for xxx_convert in $gconvert_preference; do
    case $xxx_convert in
        gcvt|gconvert|sprintf) xxx_list="$xxx_list $xxx_convert" ;;
        *) echo "Discarding unrecognized gconvert_preference $xxx_convert" >&4 ;;
    esac
done
: then add any others
for xxx_convert in gconvert gcvt sprintf; do

```

```

case "$xxx_list" in
*$xxx_convert*) ;;
*) xxx_list="$xxx_list $xxx_convert" ;;
esac
done

case "$d_longdbl$uselongdouble" in
"$define$define")
: again, add preferred functions to our list first
xxx_ld_list=""
for xxx_convert in $gconvert_ld_preference; do
case $xxx_convert in
qgcvt|gcvt|gconvert|sprintf) xxx_ld_list="$xxx_ld_list $xxx_convert" ;;
*) echo "Discarding unrecognized gconvert_ld_preference $xxx_convert" ;;
esac
done
: then add qgcvt, sprintf--then, in xxx_list order, gconvert and gcvt
for xxx_convert in qgcvt sprintf
$xxx_list; do
case "$xxx_ld_list" in
$xxx_convert*|*" $xxx_convert"*) ;;
*) xxx_ld_list="$xxx_ld_list $xxx_convert" ;;
esac
done
: if sprintf cannot do long doubles, move it to the end
if test "$d_PRIgldbl" != "$define"; then
xxx_ld_list="`echo $xxx_ld_list|sed s/sprintf/^ sprintf`"
fi
: if no qgcvt, remove it
if test "$d_qgcvt" != "$define"; then
xxx_ld_list="`echo $xxx_ld_list|sed s/qgcvt/^`"
fi
: use the ld_list
xxx_list="$xxx_ld_list"
;;
esac

for xxx_convert in $xxx_list; do
echo "Trying $xxx_convert..."
?X: Do NOT use $rm_try here, as we need to keep try.c
$rm -f try try$_o core
set try -DTRY_$xxx_convert
if eval $compile; then
echo "$xxx_convert() found." >&4
if $run ./try; then
echo "I'll use $xxx_convert to convert floats into a string." >&4
break;
else

```

```

    echo "...But $xxx_convert didn't work as I expected."
    xxx_convert=""
fi
else
    echo "$xxx_convert NOT found."
>&4
fi
done

if test X$xxx_convert = X; then
    echo "*** WHOA THERE!!! ***" >&4
    echo "None of ($xxx_list) seemed to work properly. I'll use sprintf." >&4
    xxx_convert=sprintf
fi

case "$xxx_convert" in
gconvert) d_Gconvert='gconvert((x),(n),(t),(b))' ;;
gcvt) d_Gconvert='gcvt((x),(n),(b))' ;;
qgcvt) d_Gconvert='qgcvt((x),(n),(b))' ;;
*) case "$uselongdouble$d_longdbl$d_PRIgldbl" in
"$define$define$define")
    d_Gconvert="sprintf((b),\"%.*\"$sPRIgldbl,(n),(x))" ;;
"$define$define$undef")
    d_Gconvert='sprintf((b),"%.*g",(n),(double)(x))' ;;
*) d_Gconvert='sprintf((b),"%.*g",(n),(x))' ;;
esac
;;
esac

fi
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_gconvert.U
```

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?RCS: \$Id: d\_wctomb.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>



?RCS:  
 ?RCS: \$Log: d\_wctomb.U,v \$  
 ?RCS: Revision 3.0.1.1 1994/08/29 16:20:43 ram  
 ?RCS: patch32: created by ADO  
 ?RCS:  
 ?MAKE:d\_wctomb: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_wctomb:  
 ?S: This variable conditionally defines the HAS\_WCTOMB symbol, which  
 ?S: indicates to the C program that the wctomb() routine is available  
 ?S: to convert a wide character to a multibyte.  
 ?S:.  
 ?C:HAS\_WCTOMB (WCTOMB):  
 ?C: This  
 symbol, if defined, indicates that the wctomb routine is available  
 ?C: to convert a wide character to a multibyte.  
 ?C:.  
 ?H:#\$d\_wctomb HAS\_WCTOMB /\*\*/  
 ?H:.  
 ?LINT:set d\_wctomb  
 : see if wctomb exists  
 set wctomb d\_wctomb  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wctomb.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_readdir64\_r.U,v 0RCS:  
 ?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
 ?RCS:  
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 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
 ?RCS:  
 ?MAKE:d\_readdir64\_r readdir64\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_dirent extern\_C  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_readdir64\_r:  
 ?S: This variable conditionally defines the HAS\_READDIR64\_R symbol,  
 ?S: which indicates to the C program that the readdir64\_r()  
 ?S: routine is available.  
 ?S:.  
 ?S:readdir64\_r\_proto:  
 ?S: This variable encodes the prototype of readdir64\_r.  
 ?S: It is zero if d\_readdir64\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir64\_r  
?S: is defined.  
?S:.  
?C:HAS\_READDIR64\_R:  
?C: This symbol, if defined, indicates that the readdir64\_r routine  
?C: is  
available to readdir64 re-entrantly.  
?C:.  
?C:READDIR64\_R\_PROTO:  
?C: This symbol encodes the prototype of readdir64\_r.  
?C: It is zero if d\_readdir64\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_readdir64\_r  
?C: is defined.  
?C:.  
?H:#\$d\_readdir64\_r HAS\_READDIR64\_R /\*\*/  
?H:#define READDIR64\_R\_PROTO \$readdir64\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_readdir64\_r\_proto  
: see if readdir64\_r exists  
set readdir64\_r d\_readdir64\_r  
eval \$inlibc  
case "\$d\_readdir64\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_dirent dirent.h"  
case "\$d\_readdir64\_r\_proto:\$usetreads" in  
":define") d\_readdir64\_r\_proto=define  
set d\_readdir64\_r\_proto readdir64\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_readdir64\_r\_proto" in  
define)  
case "\$readdir64\_r\_proto" in  
"|0) try='int readdir64\_r(DIR\*, struct dirent64\*, struct dirent64\*\*);'  
./protochk "\$extern\_C \$try" \$hdrs && readdir64\_r\_proto=I\_TSR ;;  
esac  
case "\$readdir64\_r\_proto" in  
"|0) try='int readdir64\_r(DIR\*,  
struct dirent64\*);'  
./protochk "\$extern\_C \$try" \$hdrs && readdir64\_r\_proto=I\_TS ;;  
esac  
case "\$readdir64\_r\_proto" in  
"|0) d\_readdir64\_r=undef  
readdir64\_r\_proto=0  
echo "Disabling readdir64\_r, cannot determine prototype." >&4 ;;  
\* ) case "\$readdir64\_r\_proto" in  
REENTRANT\_PROTO\*) ;;  
\*) readdir64\_r\_proto="REENTRANT\_PROTO\_\$readdir64\_r\_proto" ;;

```

esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "readdir64_r has no prototype, not using it." >&4 ;;
esac
d_readdir64_r=undef
readdir64_r_proto=0
;;
esac
;;
*) readdir64_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_readdir64_r.U
```

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```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_strtoull.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/ebcdic/ebcdic.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_strtouq.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_isless.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_nl_langinfo_l.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_signbit.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fcntl_can_lock.U
*
/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_libm_lib_version.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_dlssymun.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_isnormal.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_isnan.U
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

```

5.30.0/U/modified/d\_longlong.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/modified/d\_union\_semun.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_isfinite.U  
\*  
/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_futimes.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_cplusplus.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/i\_stdbool.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_fpos64\_t.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/threads/d\_pthratrj.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/time\_size.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/threads/d\_pthread\_y.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/threads/d\_pthread\_atfork.U  
\*  
/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_prctl.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_isinf.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_off64\_t.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_ptrdiff\_t.U  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/U/perl/d\_strtoll.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: newslib.U 1 2006-08-24 12:32:52Z rmanfredi \$

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?RCS:

?RCS: \$Log: newslib.U,v \$

?RCS: Revision 3.0 1993/08/18 12:09:23 ram

?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?MAKE:newslib newslibexp: test inews Oldconfig Getfile
?MAKE: -pick add $@ %<
?S:newslib:
?S: This variable contains the eventual value of the NEWSLIB symbol,
?S: which holds the name of the directory serving as the news library.
?S: It may have a ~ on the front. See newslibexp for expanded version.
?S:.
?S:newslibexp:
?S: This variable contains
the ~ expanded name of the news library
?S: directory. See newslib.
?S:.
?C:NEWSLIB:
?C: This symbol contains the name of the directory serving as the news
?C: library. The program must be prepared to do ~ expansion on it.
?C:.
?C:NEWSLIB_EXP:
?C: This symbol is the ~ expanded version of NEWSLIB, for programs that
?C: do not wish to deal with it at run-time.
?C:.
?H:#define NEWSLIB "$newslib" /**/
?H:#define NEWSLIB_EXP "$newslibexp" /**/
?H:.
?LINT:change inews
: figure out news library
case "$newslib" in
")
dflt=/usr/lib/news
;;
*) dflt=$newslib ;;
esac
echo " "
fn=d~
rp='Where is your news library?'
./getfile
newslib="$ans"
newslibexp="$ansexp"
if $test -f $newslibexp/inews; then
echo "Aha! Inews is really in $newslibexp! Maybe this is 2.10.2..." >&4
case "$inews" in
inews)
: null
;;
*) echo "(Make sure $inews isn't an old version.)";;
esac
inews=$newslibexp/inews
fi

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/newslib.U

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?RCS:

?RCS: \$Log: pidtype.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:31:27 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:33 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:pidtype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:pidtype:

?S: This variable defines PIDTYPE to be something like pid\_t, int,

?S: ushort, or whatever type is used to declare process ids in the kernel.

?S:.

?C:Pid\_t (PIDTYPE):

?C: This symbol holds the type  
used to declare process ids in the kernel.

?C: It can be int, uint, pid\_t, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?H:#define Pid\_t \$pidtype /\* PID type \*/

?H:.

: see what type pids are declared as in the kernel

set pid\_t pidtype int stdio.h sys/types.h

eval \$typedef

dflt="\$pidtype"

echo " "

rp="What type are process ids on this system declared as?"

./myread

pidtype="\$ans"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/pidtype.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: i\_db.U,v \$

?RCS: Revision 3.0.1.3 1995/07/25 14:10:22 ram

?RCS: patch56: conditionally use const in test programs (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1995/05/12 12:14:42 ram

?RCS: patch54: extended for more intimate DB probing (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:21:50 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:i\_db db\_hashtype db\_prefixtype: Inhdr +cc +ccflags rm\_try contains cat \  
d\_const

?MAKE: -pick

add \$@ %<

?S:i\_db:

?S: This variable conditionally defines the I\_DB symbol, and indicates

?S: whether a C program may include Berkeley's DB include file <db.h>.

?S:.

?S:db\_hashtype:

?S: This variable contains the type of the hash structure element

?S: in the <db.h> header file. In older versions of DB, it was

?S: int, while in newer ones it is u\_int32\_t.

?S:.

?S:db\_prefixtype:

?S: This variable contains the type of the prefix structure element

?S: in the <db.h> header file. In older versions of DB, it was

?S: int, while in newer ones it is size\_t.

?S:.

?C:I\_DB:

?C: This symbol, if defined, indicates to the C program that it should

?C: include Berkeley's DB include file <db.h>.

?C:.

?C:DB\_Prefix\_t:

```

?C: This symbol contains the type of the prefix structure element
?C: in the <db.h> header file. In older versions of DB, it was
?C: int, while in newer ones it is u_int32_t.
?C:.
?C:DB_Hash_t:
?C: This symbol contains the type of the prefix structure element
?C: in the <db.h> header
file. In older versions of DB, it was
?C: int, while in newer ones it is size_t.
?C:.
?H:#$i_db I_DB /**/
?H:#define DB_Hash_t $db_hashtype /**/
?H:#define DB_Prefix_t $db_prefixtype /**/
?H:.
?LINT:set i_db
: see if this is a db.h system
set db.h i_db
eval $inhdr

@if DB_Hash_t
case "$i_db" in
define)
: Check the return type needed for hash
echo " "
echo "Checking return type needed for hash for Berkeley DB ..." >&4
$cat >try.c <<EOCP
#$d_const HASCONST
#ifndef HASCONST
#define const
#endif
#include <sys/types.h>
#include <db.h>
u_int32_t hash_cb (ptr, size)
const void *ptr;
size_t size;
{
}
HASHINFO info;
int main()
{
info.hash = hash_cb;
}
EOCP
if $cc $ccflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
db_hashtype='int'
else
db_hashtype='u_int32_t'

```



```

fi
else
echo "I can't seem to compile the test program." >&4
db_hashtype=int
fi
$rm_try
echo "Your version of Berkeley DB uses $db_hashtype for hash."
;;
*) db_hashtype=int
;;
esac

@end
@if
DB_Prefix_t
case "$i_db" in
define)
: Check the return type needed for prefix
echo " "
echo "Checking return type needed for prefix for Berkeley DB ..." >&4
cat >try.c <<EOCP
#$d_const HASCONST
#ifdef HASCONST
#define const
#endif
#include <sys/types.h>
#include <db.h>
size_t prefix_cb (key1, key2)
const DBT *key1;
const DBT *key2;
{
}
BTREEINFO info;
int main()
{
info.prefix = prefix_cb;
}
EOCP
if $cc $ccflags -c try.c >try.out 2>&1 ; then
if $contains warning try.out >>/dev/null 2>&1 ; then
db_prefixtype='int'
else
db_prefixtype='size_t'
fi
else
echo "I can't seem to compile the test program." >&4
db_prefixtype='int'
fi

```

```
$rm_try
echo "Your version of Berkeley DB uses $db_prefixtype for prefix."
;;
*) db_prefixtype='int'
;;
esac

@end
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_db.U
```

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?RCS: \$Id\$

?RCS:

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?RCS:

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?RCS:

?MAKE:d\_getitimer: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_getitimer:

?S: This variable conditionally defines the HAS\_GETITIMER symbol, which

?S: indicates to the C program that the getitimer() routine is available.

?S:.

?C:HAS\_GETITIMER:

?C: This symbol, if defined, indicates that the getitimer routine is

?C: available to return interval timers.

?C:.

?H:#\$d\_getitimer HAS\_GETITIMER /\*\*/

?H:.

?LINT:set d\_getitimer

: see if getitimer exists

set getitimer d\_getitimer

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getitimer.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setgrent\_r.U,v 0RCS:

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```

?RCS:
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.
?RCS:
?MAKE:d_setgrent_r setgrent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_grp extern_C
?MAKE: -pick add $@ %<
?S:d_setgrent_r:
?S: This variable conditionally defines the HAS_SETGRENT_R symbol,
?S: which indicates to the C program that the setgrent_r()
?S: routine is available.
?S:.
?S:setgrent_r_proto:
?S: This variable encodes the prototype of setgrent_r.
?S: It is zero if d_setgrent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setgrent_r
?S: is defined.
?S:.
?C:HAS_SETGRENT_R:
?C: This symbol, if defined, indicates that the setgrent_r routine
?C: is available to
  setgrent re-entrantly.
?C:.
?C:SETGRENT_R_PROTO:
?C: This symbol encodes the prototype of setgrent_r.
?C: It is zero if d_setgrent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_setgrent_r
?C: is defined.
?C:.
?H:#$d_setgrent_r HAS_SETGRENT_R /**/
?H:#define SETGRENT_R_PROTO $setgrent_r_proto /**/
?H:.
?T:try hdrs d_setgrent_r_proto
: see if setgrent_r exists
set setgrent_r d_setgrent_r
eval $inlibc
case "$d_setgrent_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_grp grp.h"
  case "$d_setgrent_r_proto:$usethreads" in
  ":define") d_setgrent_r_proto=define
    set d_setgrent_r_proto setgrent_r $hdrs
    eval $hasproto ;;
  *) ;;
  esac
case "$d_setgrent_r_proto" in
define)
case "$setgrent_r_proto" in
"|0) try='int setgrent_r(FILE**);'

```

```

./prochck "$extern_C $try" $hdrs && setgrent_r_proto=I_H ;;
esac
case "$setgrent_r_proto" in
"|0) try='void setgrent_r(FILE**);'
./prochck "$extern_C $try" $hdrs && setgrent_r_proto=V_H ;;
esac
case "$setgrent_r_proto"
in
"|0) d_setgrent_r=undef
setgrent_r_proto=0
echo "Disabling setgrent_r, cannot determine prototype." >&4 ;;
*) case "$setgrent_r_proto" in
REENTRANT_PROTO*) ;;
*) setgrent_r_proto="REENTRANT_PROTO_$setgrent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "setgrent_r has no prototype, not using it." >&4 ;;
esac
d_setgrent_r=undef
setgrent_r_proto=0
;;
esac
;;
*) setgrent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_setgrent\_r.U

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_nan: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_nan:

?S: This variable conditionally defines HAS\_NAN if nan() is

?S: available to generate NaN.

?S:.

?C:HAS\_NAN:

?C: This symbol, if defined, indicates that the nan routine is

?C: available to generate NaN.

?C:.

?H:#\$d\_nan HAS\_NAN /\*\*/

?H:.

?LINT:set d\_nan

: see if nan exists

set nan d\_nan

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nan.U

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: randfunc.U,v \$

?RCS: Revision 3.0 1993/08/18 12:09:39 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This is the new unit that should be used when random

?X: functions are to be used. It thus makes randbits.U obsolete.

?X:

?MAKE:randfunc mrand seedfunc nrandbits: cat +cc rm test Myread Csym

?MAKE: -pick add \$@ %<

?S:randfunc:

?S: Indicates the name of the random number function to use.

?S: Values include drand48, random, and rand. In C programs,

?S: the 'nrand' macro is defined

to generate uniformly distributed

?S: random numbers over the range [0., 1.] (see mrand and nrand).

?S:.

?S:mrand:

?S: Indicates the macro to be used to generate normalized

?S: random numbers. Uses randfunc, often divided by

?S: (double) ((1 << nrandbits) -1) in order to normalize the result.

?S: In C programs, the macro 'nrand' is mapped on mrand.

?S:.

?S:seedfunc:

?S: Indicates the random number generating seed function.

?S: Values include srand48, srandom, and srand.

?S:.  
?S:nrandbits:  
?S: Indicates how many bits are produced by the function used to  
?S: generate normalized random numbers.  
?S:.  
?C:nrand:  
?C: This macro is to be used to generate uniformly distributed  
?C: random numbers over the range [0., 1.].  
?C:.  
?C:seednrand:  
?C: This symbol defines the macro to be used in seeding the  
?C: random number generator (see nrand).  
?C:.  
?H:#define nrand() \$mrand /\*\*/  
?H:#define seednrand(x) \$seedfunc(x) /\*\*/  
?H:.  
?T:cont val  
?LINT:nothere \$nrandbits)  
: How can we generate normalized  
random numbers ?  
echo " "  
case "\$randfunc" in  
")  
if set drand48 val -f; eval \$csym; \$val; then  
dflt="drand48"  
echo "Good, found drand48()." >&4  
elif set random val -f; eval \$csym; \$val; then  
dflt="random"  
echo "OK, found random()." >&4  
else  
dflt="rand"  
echo "Yick, looks like I have to use rand()." >&4  
fi  
echo " "  
;;  
\*)  
dflt="\$randfunc"  
;;  
esac  
cont=true  
while \$test "\$cont"; do  
rp="Use which function to generate random numbers?"  
. ./myread  
?X: Invalidates nrandbits if the answer is not the default so  
?X: that the value stored in config.sh will not be used when  
?X: we change our random function.  
if \$test "\$ans" = "\$dflt"; then  
: null

```

else
  nrandbits="
fi
randfunc="$ans"
if set $ans val -f; eval $csym; $val; then
  cont="
else
  dflt=n
  rp="Function $ans does not exists. Use that name anyway?"
  ./myread
  dflt=rand
  case "$ans" in
    [yY]*) cont=";;
  esac
fi
case "$cont" in
  ")
    case "$randfunc" in
      drand48)
        mrand="drand48()"
        seedfunc="srand48"
        ;;
      rand*)
        case
          "$nrandbits" in
            ")
echo "Checking to see how many bits your $randfunc() function produces..." >&4
  $cat >try.c <<EOCP
#include <stdio.h>
int main()
{
  register int i;
  register unsigned long tmp;
  register unsigned long max = 0L;
  extern long random();

  for (i = 1000; i; i--) {
    tmp = (unsigned long)$randfunc();
    if (tmp > max) max = tmp;
  }
  for (i = 0; max; i++)
    max /= 2;
  printf("%d\n",i);
}
EOCP
if $cc -o try try.c >/dev/null 2>&1 ; then
  dflt=`try`
else

```

```

dflt='?
echo "(I can't seem to compile the test program...)"
fi
;;
*)
dflt="$nrandbits"
;;
esac
rp="How many bits does your $randfunc() function produce?"
./myread
nrandbits="$ans"
$rm -f try.c try
mrand="($randfunc() / (double) ((1 << $nrandbits) - 1))"
seedfunc="srand"
;;
?X: The following is provided just in case...
*)
dflt="31"
rp="How many bits does your $randfunc() function produce?"
./myread
nrandbits="$ans"
seedfunc="s$randfunc"
mrand="($randfunc()
/ (double) ((1 << $nrandbits) - 1))"
if set $seedfunc val -f; eval $csym; $val; then
echo "(Using $seedfunc() to seed random generator)"
else
echo "(Warning: no $seedfunc() to seed random generator)"
seedfunc=rand
fi
;;
esac
;;
esac
done

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/randfunc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_flock.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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```

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?RCS:

?RCS: \$Log: d\_flock.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_flock: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_flock:

?S: This variable conditionally defines HAS\_FLOCK if flock() is

?S: available to do file locking.

?S:.

?C:HAS\_FLOCK (FLOCK):

?C: This symbol, if defined, indicates that the flock routine is

?C: available to do file locking.

?C:.

?H:#\$d\_flock HAS\_FLOCK /\*\*/

?H:.

?LINT:set d\_flock

: see

if flock exists

set flock d\_flock

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_flock.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vendorman1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

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?RCS:

?RCS: \$Log: vendorman1dir.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?MAKE:vendorman1dir vendorman1direxp installvendorman1dir: man1dir Getfile \

Oldconfig Setprefixvar Prefixit test vendorprefix prefix sed

?MAKE: -pick add \$@ %<

?Y:TOP

?S:vendorman1dir:  
 ?S: This variable contains the name of the directory for man1  
 ?S: pages. It may have a ~ on the front.  
 ?S: The standard distribution will put nothing in this directory.  
 ?S: Vendors  
 who distribute perl may wish to place their own  
 ?S: man1 pages in this directory with  
 ?S: MakeMaker Makefile.PL INSTALLDIRS=vendor  
 ?S: or equivalent. See INSTALL for details.  
 ?S:.  
 ?S:vendorman1direxp:  
 ?S: This variable is the ~name expanded version of vendorman1dir, so that you  
 ?S: may use it directly in Makefiles or shell scripts.  
 ?S:.  
 ?D:installvendorman1dir="  
 ?S:installvendorman1dir:  
 ?S: This variable is really the same as vendorman1direxp but may differ on  
 ?S: those systems using AFS. For extra portability, only this variable  
 ?S: should be used in makefiles.  
 ?S:.  
 ?LINT:change prefixvar  
 ?LINT:set installvendorman1dir  
 : Set the vendorman1dir variables  
 case "\$vendorprefix" in  
 ") vendorman1dir="  
 vendorman1direxp="  
 ;;  
 \*) : determine where vendor-supplied manual pages go.  
 case "\$vendorman1dir" in  
 ") dflt=`echo "\$man1dir" | \$sed "s#^\$prefix#\$vendorprefix#"` ;;  
 \*) dflt=\$vendorman1dir ;;  
 esac  
 case "\$dflt" in  
 "|") dflt=none ;;  
 esac  
 fn=nd~+  
 rp='Pathname for  
 the vendor-supplied manual section 1 pages?'  
 ./getfile  
 vendorman1dir="\$ans"  
 vendorman1direxp="\$ansexp"  
 ;;  
 esac  
 : Use ' ' for none so value is preserved next time through Configure  
 \$test X"\$vendorman1dir" = "X" && vendorman1dir=' '  
 prefixvar=vendorman1dir  
 ./installprefix

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorman1dir.U

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_\_fwalk: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_\_fwalk:

?S: This variable conditionally defines HAS\_\_FWALK if \_fwalk() is

?S: available to apply a function to all the file handles.

?S:.

?C:HAS\_\_FWALK:

?C: This symbol, if defined, indicates that the \_fwalk system call is

?C: available to apply a function to all the file handles.

?C:.

?H:#\$d\_\_fwalk HAS\_\_FWALK /\*\*/

?H:.

?LINT:set d\_\_fwalk

: see if \_fwalk exists

set fwalk d\_\_fwalk

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_\_fwalk.U

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?RCS: \$Id: libs.U,v 3.0.1.6 1997/02/28 16:09:11 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: libs.U,v \$

?RCS: Revision 3.0.1.6 1997/02/28 16:09:11 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS:  
?RCS: Revision 3.0.1.5 1995/07/25 14:12:05 ram  
?RCS: patch56: now knows about OS/2 platforms  
?RCS:  
?RCS: Revision 3.0.1.4 1994/10/29 16:24:22 ram  
?RCS: patch36: removed old broken thislib/thatlib processing (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/06/20 07:05:44 ram  
?RCS: patch30: code cleanup with if/elif by ADO and RAM  
?RCS: patch30:  
undone patch23 for libswanted default setting  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/06 15:08:45 ram  
?RCS: patch23: now includes ordered default libswanted variable (ADO)  
?RCS: patch23: major cleanup for library lookups (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:31 ram  
?RCS: patch6: added default for libs  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:03 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:libs ignore\_versioned\_solibs libsfound libsfiles libsdirs libspath: \  
test cat Myread Oldconfig Loc libpth package xlibpth so \_a \  
usesocks sed uselongdouble usequadmath  
?MAKE: -pick add \$@ %<  
?S:libs:  
?S: This variable holds the additional libraries we want to use.  
?S: It is up to the Makefile to deal with it. The list can be empty.  
?S:.  
?S:libsfound:  
?S: This variable holds the full pathnames of the libraries  
?S: we found and accepted.  
?S:.  
?S:libsfiles:  
?S: This variable holds the filenames aka basenames of the libraries  
?S: we found and accepted.  
?S:.  
?S:libsdirs:  
?S: This  
variable holds the directory names aka dirnames of the libraries  
?S: we found and accepted, duplicates are removed.  
?S:.  
?S:libspath:  
?S: This variable holds the directory names probed for libraries.  
?S:.

```

?S:ignore_versioned_solibs:
?S: This variable should be non-empty if non-versioned shared
?S: libraries (libfoo.so.x.y) are to be ignored (because they
?S: cannot be linked against).
?S:.
?T:xxx yyy thislib thisdir libswanted libstyle
?D:libs="
?X:
?X: This order is chosen so that libraries -lindir, -ldir, -lucb, -lbsd,
?X: -lBSD, -lPW, and -lx only get used if there are unresolved
?X: routines at link time. Usually, these are backwards compatibility
?X: libraries, and may not be as reliable as the standard c library.
?X:
?X: The -lsocket -linet -lnsl order has been reported to be necessary
?X: for at least one SVR4 implementation.
?X: -lc must proceed -lucb or -lbsd for most Solaris applications.
?X: -lc_s proceeds -lc so we pick up the shared library version,
if
?X: it is available.
?X:
?X: The ordering of c, posix, and cposix is a guess and almost
?X: certainly wrong on about half of all systems.
?X:
?X: Set proper libswanted in your private Myinit.U if needed.
?X:
?X:: default ordered library list
?X:libswanted='net socket inet bind nsl nm sdbm gdbm ndbm dbm malloc dl'
?X:libswanted="$libswanted dld sun m c_s c posix cposix ndir dir ucb"
?X:libswanted="$libswanted bsd BSD PW x"
?X:
?INIT:: default library list
?INIT:libswanted="
?INIT:: some systems want to use only the non-versioned libso:s
?INIT:ignore_versioned_solibs="
?LINT:extern usecbacktrace
?LINT:extern libscheck
?LINT:extern p
?LINT:use uselongdouble
: Looking for optional libraries
echo " "
echo "Checking for optional libraries..." >&4
case "$libs" in
'|') dflt="";;
*) dflt="$libs";;
esac
case "$libswanted" in
") libswanted='c_s';;
esac

```

```

?X: libsocks has nasty naming scheme.
?X: This does not work if somebody wants SOCKS 4.
case "$usesocks" in
"$define") libswanted="$libswanted
socks5 socks5_sh" ;;
esac
case "$usecbacktrace" in
"$define") libswanted="$libswanted bfd" ;;
esac
case "$usequadmath" in
"$define") libswanted="$libswanted quadmath" ;;
esac
libsfound="
libsfiles="
libsdirs="
libspath="
for thisdir in $libpth $xlibpth; do
test -d $thisdir && libspath="$libspath $thisdir"
done
for thislib in $libswanted; do
for thisdir in $libspath; do
xxx="
if test ! -f "$xxx" -a "X$ignore_versioned_solibs" = "X"; then
xxx=`ls $thisdir/lib$thislib.$so.[0-9] 2>/dev/null|sed -n '$p`
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
xxx=`ls $thisdir/lib$thislib.[0-9].$so 2>/dev/null|sed -n '$p`
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib.$so
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=shared
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib$thislib$_a
test -f "$xxx"
&& eval $libscheck
$test -f "$xxx" && libstyle=static
fi
if test ! -f "$xxx"; then
xxx=$thisdir/$thislib$_a
test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
fi
if test ! -f "$xxx"; then
xxx=$thisdir/lib${thislib}_s$_a

```

```

    $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
$test -f "$xxx" && thislib=${thislib}_s
    fi
    if test ! -f "$xxx"; then
xxx=$thisdir/Slib$thislib$_a
        $test -f "$xxx" && eval $libscheck
$test -f "$xxx" && libstyle=static
        fi
        if $test -f "$xxx"; then
case "$libstyle" in
shared) echo "Found -I$thislib (shared)."; ;
static) echo "Found -I$thislib."; ;
*) echo "Found -I$thislib ($libstyle)."; ;
esac
case " $dflt " in
*" -I$thislib "*) ; ;
*) dflt="$dflt -I$thislib"
        libsfound="$libsfound $xxx"
        yyy=`basename $xxx`
        libsfiles="$libsfiles $yyy"
        yyy=`echo $xxx|sed -e
"s%/$yyy\\\$%%"`
        case " $libsdirs " in
        * $yyy *) ; ;
        *) libsdirs="$libsdirs $yyy" ; ;
        esac
        ;;
esac
break
    fi
done
if $test ! -f "$xxx"; then
    echo "No -I$thislib."
fi
done
set X $dflt
shift
dflt="$*"
case "$libs" in
") dflt="$dflt"; ;
*) dflt="$libs"; ;
esac
case "$dflt" in
'|') dflt='none'; ;
esac

$cat <<EOM

```

In order to compile \$package on your machine, a number of libraries are usually needed. Include any other special libraries here as well. Say "none" for none. The default list is almost always right.

EOM

```
echo " "  
rp="What libraries to use?"  
./myread  
case "$ans" in  
none) libs=' ';;  
*) libs="$ans";;  
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/libs.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Signal.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:20:01 ram

?RCS: patch61: created

?RCS:

?X:

?X: This unit produces three files:

?X:

?X: 1- A signal.c file, which, when compiled and run, produces an output like:

?X:

?X: HUP 1

?X: INT 2

?X: QUIT 3

?X: etc...

?X:

?X: 2- A signal.awk script to parse the output of signal.c, fill

?X: in gaps (up to NSIG) and move duplicates to the end.

?X:

?X: 3- A signal\_cmd script to compile signal.c and run it

?X: through sort -n -k 2 | uniq | awk -f signal.awk.



?X:  
 (we try also sort -n +1 since some old hosts don't grok sort -k)  
 ?X: (This is called signal\_cmd to avoid OS/2 confusion with  
 ?X: signal.cmd vs. signal.  
 ?X: The signal\_cmd script also falls back on checking signals one at a  
 ?X: time in case the signal.c program fails. On at least one version of  
 ?X: Linux 2.1.x, the header file #define'd SIGRTMAX to a symbol that  
 ?X: is not defined by the compiler/linker. :-(. Further, on that same  
 ?X: version of Linux, the user had a defective C-shell that gave an  
 ?X: incorrect list for kill -l, so the fall-back didn't work.  
 ?X:  
 ?X: This unit is then used by sig\_name.U.  
 ?X:  
 ?MAKE:Signal: test tr rm awk cat grep startsh eunicefix sed sort uniq \  
 Findhdr cppstdin +cppflags cppminus Compile trnl run  
 ?MAKE: -pick add \$@ %<  
 ?X:all files declared as "public" since they're used from other units  
 ?F:signal.c signal\_cmd signal.lst signal signal.awk  
 ?T: xx xxx xxxfiles  
 ?LINT:use rm run  
 : Trace out the files included by signal.h, then look for SIGxxx  
 names.  
 ?X: Remove SIGARRAYSIZE used by HPUX.  
 ?X: Remove SIGSTKSIZE used by Linux.  
 ?X: Remove SIGSTKSZ used by Posix.  
 ?X: Remove SIGTYP void lines used by OS2.  
 ?X: Some cpps, like os390, dont give the file name anywhere  
 if [ "X\$fieldn" = X ]; then  
 : Just make some guesses. We check them later.  
 xxx='/usr/include/signal.h /usr/include/sys/signal.h'  
 else  
 xxx=`echo '#include <signal.h>' |  
 \$cppstdin \$cppminus \$cppflags 2>/dev/null |  
 \$grep '^[ ]\*#.\*include' |  
 \$awk "{print \\\$fieldn}" | \$sed 's!'!g' \  
 \$sed 's!\\\\\\\\\\\\\\\\!g' | \$sort | \$uniq`  
 fi  
 ?X: Check this list of files to be sure we have parsed the cpp output ok.  
 ?X: This will also avoid potentially non-existent files, such  
 ?X: as ../foo/bar.h  
 xxxfiles="  
 ?X: Add /dev/null in case the \$xxx list is empty.  
 for xx in \$xxx /dev/null ; do  
 \$test -f "\$xx" && xxxfiles="\$xxxfiles \$xx"  
 done  
 ?X: If we have found no files, at least try signal.h  
 case "\$xxxfiles" in  
 ") xxxfiles=`./findhdr signal.h` ;;

```

esac
xxx=`awk '
$1 ~ /^#define$/ &&
$2 ~ /^SIG[A-Z0-9]*$/ && $2 !~ /SIGARRAYSIZE/ && $2 !~ /SIGSTKSIZE/ && $2 !~ /SIGSTKSZ/ && $3 !~
/void/ {
print substr($2, 4, 20)
}
$1 == "#" && $2 ~ /^define$/ && $3 ~ /^SIG[A-Z0-9]*$/ && $3 !~ /SIGARRAYSIZE/ && $4 !~ /void/ {
print substr($3, 4, 20)
}' $xxxfiles`

```

: Append some common names just in case the awk scan failed.

```

xxx="$xxx ABRT ALRM BUS CANCEL CHLD CLD CONT DIL EMT FPE"
xxx="$xxx FREEZE HUP ILL INT IO IOT KILL LOST LWP PHONE"
xxx="$xxx PIPE POLL PROF PWR QUIT RTMAX RTMIN SEGV STKFLT STOP"
xxx="$xxx SYS TERM THAW TRAP TSTP TTIN TTOU URG USR1 USR2"
xxx="$xxx USR3 USR4 VTALRM WAITING WINCH WIND WINDOW XCPU XFSZ"

```

: generate a few handy files for later

```

$cat > signal.c <<'EOCP'
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
int main() {

/* Strange style to avoid deeply-nested #if/#else/#endif */
#ifndef NSIG
# ifdef _NSIG
#  define NSIG (_NSIG)
# endif
#endif

#ifndef NSIG
# ifdef SIGMAX
#  define NSIG (SIGMAX+1)
# endif
#endif

#ifndef NSIG
# ifdef SIG_MAX
#
#  define NSIG (SIG_MAX+1)
# endif
#endif

#ifndef NSIG
# ifdef MAXSIG
#  define NSIG (MAXSIG+1)
# endif

```

```

#endif

#ifndef NSIG
# ifdef MAX_SIG
#  define NSIG (MAX_SIG+1)
# endif
#endif

#ifndef NSIG
# ifdef SIGARRAYSIZE
#  define NSIG (SIGARRAYSIZE+1) /* Not sure of the +1 */
# endif
#endif

#ifndef NSIG
# ifdef _sys_nsig
#  define NSIG (_sys_nsig) /* Solaris 2.5 */
# endif
#endif

/* Default to some arbitrary number that's big enough to get most
   of the common signals.
*/
#ifndef NSIG
#  define NSIG 50
#endif

printf("NSIG %d\n", NSIG);

#ifndef JUST_NSIG

EOCP

echo $xxx | $tr ' ' $trnl | $sort | $uniq | $awk '
{
  printf "#ifdef SIG"; printf $1; printf "\n"
  printf "printf(\""; printf $1; printf " %%d\\n\\",SIG";
  printf $1; printf ");\n"
  printf "#endif\n"
}
END {
  printf "#endif /* JUST_NSIG *\n";
  printf "exit(0);\n}\n";
}
' >>signal.c
$cat >signal.awk <<'EOP'
BEGIN { ndups = 0 }
$1 ~ /^NSIG$/ { nsig = $2 }

```

```

($1 !~ /^NSIG$/) && (NF == 2) {
    if ($2 >
maxsig) { maxsig = $2 }
    if (sig_name[$2]) {
dup_name[ndups] = $1
dup_num[ndups] = $2
ndups++
    }
    else {
sig_name[$2] = $1
sig_num[$2] = $2
    }
}
END {
    if (nsig == 0) {
        nsig = maxsig + 1
    }
    printf("NSIG %d\n", nsig);
    for (n = 1; n < nsig; n++) {
if (sig_name[n]) {
        printf("%s %d\n", sig_name[n], sig_num[n])
    }
    else {
        printf("NUM%d %d\n", n, n)
    }
    }
    for (n = 0; n < ndups; n++) {
printf("%s %d\n", dup_name[n], dup_num[n])
    }
}
EOP
$cat >signal_cmd <<EOS
$startsh
if $test -s signal.lst; then
    echo "Using your existing signal.lst file"
    exit 0
fi
xxx="$xxx"
EOS
?X: Avoid variable interpolation problems, especially with
?X: xxx, which contains newlines.
$cat >>signal_cmd <<'EOS'

set signal
if eval $compile_ok; then
    $run ./signal$_exe | ($sort -n -k 2 2>/dev/null || $sort -n +1) |\
    $uniq | $awk -f signal.awk >signal.lst
else

```

```

echo "(I can't seem be able to compile the whole test program)" >&4
echo "(I'll try it in little
pieces.)" >&4
set signal -DJUST_NSIG
if eval $compile_ok; then
  $run ./signal$_exe > signal.nsg
  $cat signal.nsg
else
  echo "I can't seem to figure out how many signals you have." >&4
  echo "Guessing 50." >&4
  echo 'NSIG 50' > signal.nsg
fi
: Now look at all the signal names, one at a time.
for xx in `echo $xxx | $tr ' ' $trnl | $sort | $uniq`; do
  $cat > signal.c <<EOCP
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
int main() {
printf("$xx %d\n", SIG${xx});
return 0;
}
EOCP
  set signal
  if eval $compile; then
    echo "SIG${xx} found."
    $run ./signal$_exe >> signal.ls1
  else
    echo "SIG${xx} NOT found."
  fi
done
if $test -s signal.ls1; then
  $cat signal.nsg signal.ls1 |
  $sort -n | $uniq | $awk -f signal.awk >signal.lst
fi

fi
if $test -s signal.lst; then
:
else
echo "(AAK! I can't compile the test programs -- Guessing)" >&4
echo 'kill -l' >signal
set X `csh -f <signal`
$rm -f signal
shift
case $# in
0) set HUP INT QUIT ILL TRAP ABRT

```

```

EMT FPE KILL BUS SEGV SYS PIPE ALRM TERM;;
esac
echo $@ | $tr ' ' $trnl | \
    $awk '{ printf "%s %d\n", $1, ++s; }
END { printf "NSIG %d\n", ++s }' >signal.lst
fi
$rm -f signal.c signal$_exe signal$_o signal.nsg signal.ls1
EOS
chmod a+x signal_cmd
$unicefix signal_cmd

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/Signal.U

```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_gethname.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:13:00 ram

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:11 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_gethname d\_uname d\_phostname aphostname: phostname cat \

myhostname package d\_portable Loc echo n c +i\_whoami +usrinc \

Myread Guess Oldconfig Csym

?MAKE: -pick add \$@ %<

?S:d\_gethname:

?S: This variable conditionally defines the HAS\_GETHOSTNAME symbol,  
which

?S: indicates to the C program that the gethostname() routine may be

?S: used to derive the host name.

?S:.

?S:d\_uname:

?S: This variable conditionally defines the HAS\_UNAME symbol, which

?S: indicates to the C program that the uname() routine may be

?S: used to derive the host name.

?S:.

?S:d\_phostname:

?S: This variable conditionally defines the PHOSTNAME symbol, which

?S: contains the shell command which, when fed to popen(), may be

?S: used to derive the host name.

?S:.

?S:aphostname:

?S: This variable contains the command which can be used to compute the

?S: host name. The command is fully qualified by its absolute path, to make

?S: it safe when used by a process with super-user privileges.

?S:.

?C:HAS\_GETHOSTNAME (GETHOSTNAME):

?C: This symbol, if defined, indicates that the C program may use the

?C: gethostname() routine to derive the host name. See also HAS\_UNAME

?C: and PHOSTNAME.

?C:.

?C:HAS\_UNAME (UNAME):

?C: This symbol, if defined, indicates that the C program may

use the

?C: uname() routine to derive the host name. See also HAS\_GETHOSTNAME

?C: and PHOSTNAME.

?C:.

?C:PHOSTNAME:

?C: This symbol, if defined, indicates that the C program may use the

?C: contents of PHOSTNAME as a command to feed to the popen() routine

?C: to derive the host name. See also HAS\_GETHOSTNAME and HAS\_UNAME.

?C: Note that the command uses a fully qualified path, so that it is safe

?C: even if used by a process with super-user privileges.

?C:.

?H:#\$d\_gethname HAS\_GETHOSTNAME /\*\*/

?H:#\$d\_uname HAS\_UNAME /\*\*/

?H:#\$d\_phostname PHOSTNAME "\$aphostname" /\* How to get the host name \*/

?H:.

?T:file val call

?LINT:change i\_whoami

: see how we will look up host name

echo " "

if false; then

: dummy stub to allow use of elif

@if HAS\_GETHOSTNAME

elif set gethostname val -f d\_gethname; eval \$csym; \$val; then

echo 'gethostname() found.' >&4

d\_gethname="\$define"

call=gethostname

@end

@if HAS\_UNAME

elif set uname val -f d\_uname; eval \$csym; \$val; then

if ./xenix; then

\$cat <<'EOM'

uname()

was found, but you're running xenix, and older versions of xenix have a broken uname(). If you don't really know whether your xenix is old enough to have a broken system call, use the default answer.

EOM

```
dflt=y
case "$d_uname" in
"$define") dflt=n;;
esac
rp='Is your uname() broken?'
. ./myread
case "$ans" in
n*) d_uname="$define"; call=uname;;
esac
else
echo 'uname() found.' >&4
d_uname="$define"
call=uname
fi
@end
fi
case "$d_gethname" in
") d_gethname="$undef";;
esac
case "$d_uname" in
") d_uname="$undef";;
esac
@if PHOSTNAME || MYHOSTNAME
case "$d_uname$d_gethname" in
*define*)
dflt=n
cat <<EOM
```

Every now and then someone has a \$call() that lies about the hostname but can't be fixed for political or economic reasons. If you wish, I can

```
@if MYHOSTNAME && PHOSTNAME
```

pretend \$call() isn't there and maybe compile in the hostname or compute it from the '\$phostname' command at run-time.

```
@elsif MYHOSTNAME
```

pretend \$call() isn't there and maybe compile in the hostname.

```
@elsif PHOSTNAME
```

pretend \$call() isn't there and maybe compute hostname at run-time thanks to the '\$phostname' command.

```
@elsif WHOAMI
```

get the hostname from whomai.h (provided you have one).

```
@else
```



simply ignore your host name and use something like "noname" instead.

@end

EOM

```
rp="Shall I ignore $call() from now on?"
. ./myread
case "$ans" in
y*) d_undef="$undef" d_gethname="$undef"; $echo $n "Okay...$c";;
esac;;
esac
@end
@if PHOSTNAME || aphostname
?X: Compute the full path name for the command
case "$phostname" in
") aphostname="";;
*) case "$aphostname" in
/*) ;;
*) set X $phostname
shift
file=$1
shift
file=`./loc $file $file $pth`
aphostname=`echo $file $*`
;;
esac
;;
esac
@end
@if PHOSTNAME && MYHOSTNAME
case "$d_undef$d_gethname" in
*define*) ;;
*)
case "$phostname" in
") ;;
*)
$cat <<EOT
```

There is no gethostname() or uname() on this system. You have two possibilities at this point:

- 1) You can have your host name (\$myhostname) compiled into \$package, which lets \$package start up faster, but makes your binaries non-portable, or
- 2) you can have \$package use a

```
popen("$aphostname", "r")
```

which will start slower but be more portable.

```
@ if WHOAMI
```

Option 1 will give you the option of using whoami.h if you have one.

```
@ end
```

If you want option 2 but with a different command, you can edit config.sh at the end of this shell script.

```
EOT
```

```
case "$d_phostname" in
"$define") dflt=n;;
"$undef") dflt=y;;
")
case "$d_portable" in
"$define") dflt=n ;;
*) dflt=y ;;
esac;;
esac
rp="Do you want your host name compiled in?"
./myread
case "$ans" in
n*) d_phostname="$define" ;;
*) ahostname=""; d_phostname="$undef";;
esac;;
esac
case "$aphostname" in
")
@ if WHOAMI
case "$i_whoami" in
"$define")
dflt=y
$cat <<EOM
```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

```
EOM
```

```
rp="Use whoami.h to get hostname?"
./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
$cat <<EOM
```

No hostname function and no whoami.h -- hardwiring "\$myhostname".

```

EOM
;;
esac;;
@ else
echo 'No hostname function -- hardwiring "$myhostname"! '>&4;;
@ end
esac;;
esac
@elsif PHOSTNAME
case "$d_underscore$d_underscorename" in
*define*);;
*)
case "$phostname" in
")
@ if WHOAMI
case "$i_underscorewhoami" in
"$define")
$cat <<EOM

```

No hostname function--we'll use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

```

EOM
;;
*) echo "There will be no way for $package to get your hostname." >&4;;
esac;;
@ else
echo "There will be no way for $package to get your hostname." >&4;;
@ end
*)
echo "I'll use 'popen('"'$aphostname"', "r")' to get your hostname." >&4
;;
esac;;
esac
@elsif MYHOSTNAME
case "$d_underscore$d_underscorename" in
*define*);;
*)
@ if WHOAMI
case "$i_underscorewhoami" in
"$define")
dflt=y
$cat
<<EOM

```

No hostname function--you can either use the whoami.h file, which has this line:

```
`grep sysname $usrinc/whoami.h`
```

or you can have the name we came up with earlier (\$myhostname) hardwired in.

EOM

```
rp="Use whoami.h to get hostname?"
./myread
case "$ans" in
n*) i_whoami="$undef";;
esac
;;
"$undef")
echo 'No whoami.h--hardwiring "$myhostname".' >&4;;
esac;;
@ else
echo 'Hardwiring "$myhostname".' >&4;;
@ end
esac
@end
case "$d_phostname" in
") d_phostname="$undef";;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_gethname.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Oldconfig.U,v 3.0.1.10 1997/02/28 15:06:39 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Oldconfig.U,v $
?RCS: Revision 3.0.1.10 1997/02/28 15:06:39 ram
?RCS: patch61: added support for src.U
?RCS: patch61: new OSNAME define
?RCS: patch61: can now sense new OSes
?RCS:
?RCS: Revision 3.0.1.9 1995/07/25 13:40:51 ram
?RCS: patch56: now knows about OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.8 1995/05/12 12:04:18 ram
?RCS: patch54: config.sh reload logic now knows about new -K switch
```

?RCS: patch54: cleaned up and extended osvers for DEC  
OSF/1 (ADO)  
?RCS: patch54: added MachTen detection (ADO)  
?RCS:  
?RCS: Revision 3.0.1.7 1995/02/15 14:13:41 ram  
?RCS: patch51: adapted osvers computation for AIX (ADO)  
?RCS:  
?RCS: Revision 3.0.1.6 1995/01/30 14:27:15 ram  
?RCS: patch49: unit Options.U now exports file optdef.sh, not a variable  
?RCS: patch49: update code for myuname changed (WED)  
?RCS:  
?RCS: Revision 3.0.1.5 1995/01/11 15:15:36 ram  
?RCS: patch45: added quotes around the INITPROG variable (ADO)  
?RCS: patch45: allows variable overriding after config file loading  
?RCS:  
?RCS: Revision 3.0.1.4 1994/10/29 15:57:05 ram  
?RCS: patch36: added ?F: line for metalint file checking  
?RCS: patch36: merged with the version used for perl5's Configure (ADO)  
?RCS:  
?RCS: Revision 3.0.1.3 1994/05/06 14:24:17 ram  
?RCS: patch23: added support for osf1 hints  
?RCS: patch23: new support for solaris and i386 systems (ADO)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/01/24 14:05:02 ram  
?RCS: patch16: added post-processing on myuname for Xenix targets  
?RCS:  
patch16: message proposing config.sh defaults made consistent  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 15:56:32 ram  
?RCS: patch10: force use of config.sh when -d option is used (WAD)  
?RCS: patch10: complain about non-existent hint files (WAD)  
?RCS: patch10: added Options dependency for fastread variable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:12 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit tries to remember what we did last time we ran Configure, mostly  
?X: for the sake of setting defaults.  
?X:  
?MAKE:Oldconfig hint myuname osname osvers: Instruct Myread uname \  
Checkcc Mksymlinks run \  
sh awk sed test cat rm lns tr n c contains Loc Options Tr src trnl ln  
?MAKE: -pick wipe \$@ %<  
?S:myuname:  
?S: The output of 'uname -a' if available, otherwise the hostname.  
?S: The whole thing is then lower-cased and slashes and single quotes are  
?S: removed.

?S:.

?S:hint:

?S: Gives the type of hints used for previous answers. May be one of

?S: "default",

"recommended" or "previous".

?S:.

?S:osname:

?S: This variable contains the operating system name (e.g. sunos,

?S: solaris, hpux, etc.). It can be useful later on for setting

?S: defaults. Any spaces are replaced with underscores. It is set

?S: to a null string if we can't figure it out.

?S:.

?S:osvers:

?S: This variable contains the operating system version (e.g.

?S: 4.1.3, 5.2, etc.). It is primarily used for helping select

?S: an appropriate hints file, but might be useful elsewhere for

?S: setting defaults. It is set to " if we can't figure it out.

?S: We try to be flexible about how much of the version number

?S: to keep, e.g. if 4.1.1, 4.1.2, and 4.1.3 are essentially the

?S: same for this package, hints files might just be os\_4.0 or

?S: os\_4.1, etc., not keeping separate files for each little release.

?S:.

?C:OSNAME:

?C: This symbol contains the name of the operating system, as determined

?C: by Configure. You shouldn't rely on it too much; the specific

?C: feature tests

from Configure are generally more reliable.

?C:.

?C:OSVERS:

?C: This symbol contains the version of the operating system, as determined

?C: by Configure. You shouldn't rely on it too much; the specific

?C: feature tests from Configure are generally more reliable.

?C:.

?H:#define OSNAME "\$osname" /\*\*/

?H:#define OSVERS "\$osvers" /\*\*/

?H:.

?F:!config.sh

?T:tmp tmp\_n tmp\_c tmp\_sh file

?T:xxxxfile xxxfile xxfile xfile hintfile newmyuname

?T:tans \_ isesix INITPROG DJGPP

?D:osname="

?LINT:change n c sh

?LINT:extern targetarch

?LINT:extern hostarch

?LINT:change hostarch

?LINT:extern is\_os2

: Try to determine whether config.sh was made on this system

case "\$config\_sh" in

```

")
?X: indentation wrong on purpose--RAM
?X: Leave a white space between first two '(' for ksh. The sub-shell is needed
?X: on some machines to avoid the error message when uname is not found; e.g.
?X: old SUN-OS 3.2 would not execute hostname in (uname -a || hostname). Sigh!
?X: Now not using a subshell but instead $test.
myuname=`$uname
-a 2>/dev/null`
$test -z "$myuname" && myuname=`hostname 2>/dev/null`
# Downcase everything to avoid ambiguity.
# Remove slashes and single quotes so we can use parts of this in
# directory and file names.
# Remove newlines so myuname is sane to use elsewhere.
# tr '[A-Z]' '[a-z]' would not work in EBCDIC
# because the A-Z/a-z are not consecutive.
myuname=`echo $myuname | $sed -e "s,[/],g" | \
./tr '[A-Z]' '[a-z]' | $tr $trnl ' `
?X: Save the value we just computed to reset myuname after we get done here.
newmyuname="$myuname"
dflt=n
case "$knowitall" in
")
if test -f ../config.sh; then
if $contains myuname= ../config.sh >/dev/null 2>&1; then
eval "`grep myuname= ../config.sh`"
fi
if test "X$myuname" = "X$newmyuname"; then
dflt=y
fi
fi
;;
*) dflt=y;;
esac

@if {test -d ../hints}
: Get old answers from old config file if Configure was run on the
: same system, otherwise use the hints.
hint=default
cd ..
?X: Since we are now at the root of the source
tree, we must use $src
?X: to access the sources and not $rsrc. See src.U for details...
if test -f config.sh; then
echo " "
rp="I see a config.sh file. Shall I use it to set the defaults?"
.UU/myread
case "$ans" in
n*|N*) echo "OK, I'll ignore it."

```

```

mv config.sh config.sh.old
myuname="$newmyuname"
;;
*) echo "Fetching default answers from your old config.sh file..." >&4
tmp_n="$n"
tmp_c="$c"
tmp_sh="$sh"
./config.sh
cp config.sh UU
n="$tmp_n"
c="$tmp_c"
: Older versions did not always set $sh. Catch re-use of such
: an old config.sh.
case "$sh" in
") sh="$tmp_sh" ;;
esac
hint=previous
;;
esac
fi
./UU/checkcc
if test ! -f config.sh; then
$cat <<EOM

```

First time through, eh? I have some defaults handy for some systems that need some extra help getting the Configure answers right:

EOM

```

(cd $src/hints; ls -C *.sh) | $sed 's/\,sh/ /g' >&4
dflt="
: Half the following guesses are probably wrong... If you have better
: tests or hints,
please send them to <MAINTLOC>
: The metaconfig authors would also appreciate a copy...
$test -f /irix && osname=irix
$test -f /xenix && osname=sco_xenix
$test -f /dynix && osname=dynix
$test -f /dnix && osname=dnix
$test -f /lynx.os && osname=lynxos
$test -f /unicos && osname=unicos && osvers=`$uname -r`
$test -f /unicosmk && osname=unicosmk && osvers=`$uname -r`
$test -f /unicosmk.ar && osname=unicosmk && osvers=`$uname -r`
$test -f /bin/mips && /bin/mips && osname=mips
$test -d /usr/apollo/bin && osname=apollo
$test -f /etc/saf/_sactab && osname=svr4
$test -d /usr/include/minix && osname=minix && osvers=`$uname -r`
$test -f /system/gnu_library/bin/ar.pm && osname=vos
$test -f /sys/utilities/MultiView && osname=amigaos

```



```

if $test -d /MachTen -o -d /MachTen_Folder; then
?X: MachTen uname -a output looks like
?X: xxx 4 0.0 Macintosh
?X: MachTen /sbin/version output looks like
?X: MachTen 4.0 Mon Aug 28 10:18:00 1995
?X: MachTen 3.x had the 'version' command in /usr/etc/version.
  osname=machten
  if
$test -x /sbin/version; then
  osvers=`/sbin/version | $awk '{print $2}' |
  $sed -e 's/[A-Za-z]$//'^
elif $test -x /usr/etc/version; then
  osvers=`/usr/etc/version | $awk '{print $2}' |
  $sed -e 's/[A-Za-z]$//'^
else
  osvers="$2.$3"
fi
fi

$test -f /sys/posix.dll &&
$test -f /usr/bin/what &&
set X `/usr/bin/what /sys/posix.dll` &&
$test "$3" = UWIN &&
osname=uwin &&
osvers="$5"

?X: If we have uname, we already computed a suitable uname -a output,
?X: and it lies in $myuname.
if $test -f $uname; then
set X $myuname
shift

case "$5" in
fps*) osname=fps ;;
mips*)
case "$4" in
umips) osname=umips ;;
*) osname=mips ;;
esac;;
[23]100) osname=mips ;;
?X: Interactive Unix.
i386*)
tmp=`/bin/uname -X 2>/dev/null|awk '/3\.2v[45]/{ print $(NF) }'^
if $test "$tmp" != "" -a "$3" = "3.2" -a -f /etc/systemid; then
  osname='sco'
  osvers=$tmp
elif $test -f /etc/kconfig; then
  osname=isc

```

```

if
test "$lns" = "$ln -s"; then
    osvers=4
elif $contains _SYSV3 /usr/include/stdio.h > /dev/null 2>&1 ; then
    osvers=3
elif $contains _POSIX_SOURCE /usr/include/stdio.h > /dev/null 2>&1 ; then
    osvers=2
fi
fi
tmp=""
;;

```

?X: MS-DOS djgpp uname -a output looks like:

?X: ms-dos xxx 6 22 pc

?X: \$1 is the "dos flavor" (need not be "ms-dos").

?X: \$2 is the node name

?X: \$3 and \$4 are version/subversion

?X: \$5 is always "pc", but that might not be unique to DJGPP.

?X: (e.g. Solaris\_x86 has \$5 = i86pc, which doesn't actually conflict,

?X: but it's close enough that I can easily imagine other vendors also

?X: using variants of pc\* in \$5.)

?X: The "DJGPP" environment variable is always set when djgpp is active.

pc\*)

```
if test -n "$DJGPP"; then
```

```
    osname=dos
```

```
    osvers=djgpp
```

```
fi
```

```
;;
```

```
esac
```

```
case "$1" in
```

```
    aix) osname=aix
```

?X: aix 4.1 uname -a output looks like

?X: AIX foo 1 4 000123456789

?X: where \$4 is the major release number and \$3 is the (minor) version.

?X: More detail on the version is available with the oslevel command.

?X: in 3.2.x, it output a string (see case statements below). In 4.1,

?X: it puts out something like 4.1.1.0

```
tmp=`( oslevel) 2>/dev/null || echo "not found") 2>&1`
```

```
case "$tmp" in
```

```
# oslevel can fail with:
```

```
# oslevel: Unable to acquire lock.
```

```
*not\ found) osvers="$4"."$3" ;;
```

```
'<3240'|<>3240) osvers=3.2.0 ;;
```

```
'=3240'|>3240'|<3250'|<>3250) osvers=3.2.4 ;;
```

```
'=3250'|>3250) osvers=3.2.5 ;;
```

```
*) osvers=$tmp;;
```

```
esac
```

```

;;
bitrig) osname=bitrig
osvers="$3"
;;
bsd386) osname=bsd386
osvers=`$uname -r`
;;
cygwin*) osname=cygwin
osvers="$3"
;;
*dc.osx) osname=dcosx
osvers="$3"
;;
dnix) osname=dnix
osvers="$3"
;;
domainos) osname=apollo
osvers="$3"
;;
dgux) osname=dgux
osvers="$3"
;;
dragonfly) osname=dragonfly
osvers="$3"
;;
?X: uname -a returns
?X: DYNIX/ptx xxx 4.0 V4.1.2 i386
dynixptx*) osname=dynixptx
osvers=`echo
"$4"|sed 's/^v//'^
;;
freebsd) osname=freebsd
osvers="$3" ;;
genix) osname=genix ;;
?X: GNU/Hurd uname -a gives something like
?X: GNU foo 0.3 GNU-Mach 1.4/Hurd-0.3 i386-AT386 GNU
?X: GNU gnu 0.3 GNUmach-1.2/Hurd-0.3 i386-AT386 GNU
?X: Note the hostname on the second one, which will fool Configure
?X: into using the SysV case!
gnu) osname=gnu
osvers="$3" ;;
?X: HP-UX uname -a gives something like
?X: HP-UX foobar B.10.20 A 9000/735 2016483812 two-user license
?X: Preserve the full 10.20 string instead of the previous plain '10'.
?X: Thanks to Graham Barr. --AD 6/30/1998
hp*) osname=hpux
osvers=`echo "$3" | $sed 's,.*\.[0-9]*\.[0-9]*\),1,`
;;

```

```

irix*) osname=irix
case "$3" in
4*) osvers=4 ;;
5*) osvers=5 ;;
*) osvers="$3" ;;
esac
;;
linux) osname=linux
case "$3" in
*) osvers="$3" ;;
esac
$stest -f /system/lib/libandroid.so && osname=linux-android
;;
MiNT) osname=mint
;;
minix) osname=minix
osvers=`$uname -r`
;;
netbsd*)
osname=netbsd
osvers="$3"
;;
news-os) osvers="$3"
case "$3" in
4*) osname=newsos4 ;;
*) osname=newsos ;;
esac
;;
nonstop-ux) osname=nonstopux ;;
openbsd) osname=openbsd
osvers="$3"
;;
os2) osname=os2
osvers="$4"
;;
POSIX-BC | posix-bc ) osname=posix-bc
osvers="$3"
;;
powerux | power_ux | powermax_os | powermaxos | \
powerunix | power_unix) osname=powerux
osvers="$3"
;;
qnx) osname=qnx
osvers="$4"
;;
solaris) osname=solaris
case "$3" in
5*) osvers=`echo $3 | $sed 's/^5/2/g'` ;;

```

```

*) osvers="$3" ;;
esac
;;
sunos) osname=sunos
case "$3" in
5*) osname=solaris
osvers=`echo $3 | $sed 's/^5/2/g` ;;
*) osvers="$3" ;;
esac
;;
titanos) osname=titanos
case "$3" in
1*) osvers=1 ;;
2*) osvers=2 ;;
3*) osvers=3 ;;
4*) osvers=4 ;;
*) osvers="$3" ;;
esac
;;
ultrix) osname=ultrix
osvers="$3"
;;
osf1|mips+) case "$5" in
alpha)
?X: DEC OSF/1 myuname
-a output looks like: osf1 xxxx t3.2 123.4 alpha
?X: where the version number can be something like [xvt]n.n
osname=dec_osf
?X: sizer knows the minor minor version: the letter
osvers=`sizer -v | awk -FUNIX '{print $2}' | awk '{print $1}' | tr '[A-Z]' '[a-z]' | sed 's/^[xvt]//'^
case "$osvers" in
[1-9].[0-9]*) ;;
*) osvers=`echo "$3" | sed 's/^[xvt]//'^ ;;
esac
;;
hp*) osname=hp_osf1 ;;
mips) osname=mips_osf1 ;;
?X: hp and mips were unsupported Technology Releases -- ADO, 24/10/94
esac
;;
# UnixWare 7.1.2 is known as Open UNIX 8
openunix|unixware) osname=svr5
osvers="$4"
;;
uts) osname=uts
osvers="$3"
;;
vos) osvers="$3"

```

```

;;
$2) case "$osname" in
*isc*) ;;
*freebsd*) ;;
svr*)
: svr4.x or possibly later
case "svr$3" in
${osname}*)
osname=svr$3
osvers=$4
;;
esac
case "$osname" in
svr4.0)
: Check for ESIX
if test -f /stand/boot ; then
eval `grep '^INITPROG=[a-z/0-9]*$'
/stand/boot`
if test -n "$INITPROG" -a -f "$INITPROG"; then
isesix=`strings -a $INITPROG|grep 'ESIX SYSTEM V/386 Release 4.0`
if test -n "$isesix"; then
osname=esix4
fi
fi
fi
;;
esac
;;
*) if test -f /etc/systemid; then
osname=sco
set `echo $3 | $sed 's/\./ /g` $4
if $test -f $src/hints/sco_$1_$2_$3.sh; then
osvers=$1.$2.$3
elif $test -f $src/hints/sco_$1_$2.sh; then
osvers=$1.$2
elif $test -f $src/hints/sco_$1.sh; then
osvers=$1
fi
else
case "$osname" in
") : Still unknown. Probably a generic Sys V.
osname="sysv"
osvers="$3"
;;
esac
fi
;;
esac

```

```

;;
*) case "$osname" in
") : Still unknown. Probably a generic BSD.
osname="$1"
osvers="$3"
;;
esac
;;
esac
else
?X: Try to identify sony's NEWS-OS (BSD unix)
if test -f /vmunix -a -f $src/hints/news_os.sh; then
(what /vmunix | UU/tr '[A-Z]'
'[a-z]') > UU/kernel.what 2>&1
if $contains news-os UU/kernel.what >/dev/null 2>&1; then
osname=news_os
fi
$rm -f UU/kernel.what
?X: Maybe it's OS/2 or DOS or something similar
elif test -d c:/ -o -n "$is_os2" ; then
set X $myuname
osname=os2
osvers="$5"
fi
fi

case "$targetarch" in
") ;;
*) hostarch=$osname
case "$targetarch" in
nto*|*-nto-*)
# Will load qnx.sh, which should change osname to nto
osname=qnx
osvers=""
;;
*linux-android*)
# Catch arm-linux-androideabi, mipsel-linux-android,
# and i686-linux-android
osname=linux-android
osvers=""
;;
*linux*)
# Something like arm-linux-gnueabi is really just
# plain linux.
osname=linux

osvers=""
;;

```

```

*solaris*|*sunos*)
    osname=solaris
    # XXX perhaps we should just assume
    # osvers to be 2, or maybe take the value
    # from targetarch. Using $run before the
    # hints are run is somewhat icky.
    set X ` $run $uname -a 2>/dev/null `
    shift
    case "$3" in
        5*) osvers=`echo $3 | $sed 's/^5/2/g'` ;;
        *) osvers="$3" ;;
    esac
    ;;
*)
osname=`echo $targetarch|sed 's,^[^-]*-,`
osvers="
    ;;
    esac
    ;;
esac

```

: Now look for a hint file osname\_osvers, unless one has been  
: specified already.

```
case "$hintfile" in
```

```
"|' )
```

```
file=`echo "${osname}_${osvers}" | $sed -e 's%\.\%_g' -e 's%_%%`
```

: Also try without trailing minor version

numbers.

```
xfile=`echo $file | $sed -e 's%[_]*%%`
```

```
xxfile=`echo $xfile | $sed -e 's%[_]*%%`
```

```
xxxfile=`echo $xxfile | $sed -e 's%[_]*%%`
```

```
xxxxfile=`echo $xxxfile | $sed -e 's%[_]*%%`
```

```
case "$file" in
```

```
") dflt=none ;;
```

```
*) case "$osvers" in
```

```
") dflt=$file
```

```
;;
```

```
*) if $test -f $src/hints/$file.sh ; then
```

```
    dflt=$file
```

```
elif $test -f $src/hints/$xfile.sh ; then
```

```
    dflt=$xfile
```

```
elif $test -f $src/hints/$xxxfile.sh ; then
```

```
    dflt=$xxxfile
```

```
elif $test -f $src/hints/$xxxxfile.sh ; then
```

```
    dflt=$xxxxfile
```

```
elif $test -f $src/hints/${osname}.sh ; then
```

```
    dflt=${osname}.sh
```

```
else dflt=$file ; fi
```



```

    dflt="{osname}"
else
    dflt=none
fi
;;
esac
;;
esac
if $test -f Policy.sh ; then
    case "$dflt" in
        *Policy*) ;;
        none) dflt="Policy" ;;
        *) dflt="Policy $dflt" ;;
    esac
fi
;;
*)
    dflt=`echo $hintfile | $sed 's/\.sh$/'^`
;;
esac

if $test -f Policy.sh ; then
    $cat <<EOM

```

There's also

a Policy hint file available, which should make the site-specific (policy) questions easier to answer.

EOM

```
fi
```

```
$cat <<EOM
```

You may give one or more space-separated answers, or "none" if appropriate.

If you have a handcrafted Policy.sh file or a Policy.sh file generated by a previous run of Configure, you may specify it as well as or instead of OS-specific hints. If hints are provided for your OS, you should use them: although Perl can probably be built without hints on many platforms, using hints often improve performance and may enable features that Configure can't set up on its own. If there are no hints that match your OS, specify "none"; DO NOT give a wrong version or a wrong OS.

EOM

```
rp="Which of these apply, if any?"
```

```
. UU/myread
```

```
tans=$ans
```

```
for file in $tans; do
```

```

if $test X$file = XPolicy -a -f Policy.sh; then
    . Policy.sh
    $cat Policy.sh >> UU/config.sh
elif $test -f $src/hints/$file.sh; then
    . $src/hints/$file.sh
    $cat $src/hints/$file.sh >> UU/config.sh
elif
$test X"$stans" = X -o X"$stans" = Xnone ; then
    : nothing
else
    : Give one chance to correct a possible typo.
    echo "$file.sh does not exist"
    dflt=$file
    rp="hint to use instead?"
    . UU/myread
    for file in $ans; do
        if $test -f "$src/hints/$file.sh"; then
            . $src/hints/$file.sh
            $cat $src/hints/$file.sh >> UU/config.sh
        elif $test X$ans = X -o X$ans = Xnone ; then
            : nothing
        else
            echo "$file.sh does not exist -- ignored."
        fi
    done
fi
done

hint=recommended
: Remember our hint file for later.
if $test -f "$src/hints/$file.sh" ; then
    hintfile="$file"
else
    hintfile=""
fi
fi
cd UU
?X: From here on, we must use $rsrc instead of $src
@else
: Get old answers, if there is a config file out there
hint=default
hintfile=""
if test -f ../config.sh; then
    echo " "
    rp="I see a config.sh file. Shall I use it to set the defaults?"
    . ./myread
    case "$ans" in
n*|N*) echo "OK, I'll ignore it.";;

```

```

*) echo "Fetching default answers from
your old config.sh file..." >&4
tmp_n="$n"
tmp_c="$c"
.../config.sh
cp ../config.sh .
n="$tmp_n"
c="$tmp_c"
hint=previous
;;
esac
fi
@end
?X: remember, indentation is wrong--RAM
;;
*)
echo " "
echo "Fetching default answers from $config_sh..." >&4
tmp_n="$n"
tmp_c="$c"
cd ..
?X: preserve symbolic links, if any
cp $config_sh config.sh 2>/dev/null
chmod +w config.sh
. ./config.sh
cd UU
cp ../config.sh .
n="$tmp_n"
c="$tmp_c"
hint=previous
;;
esac
. ./optdef.sh

```

```

: Restore computed paths
for file in $loclist $strylist; do
eval $file="\$_$file"
done

```

```

@if osname || osvers
cat << EOM

```

Configure uses the operating system name and version to set some defaults. The default value is probably right if the name rings a bell. Otherwise, since spelling matters for me, either accept the default or answer "none" to leave it blank.

EOM

```

@end
@if osname
case "$osname" in
'|' )
case "$hintfile" in
'|' |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//'
-e 's/_.*$//'^` ;;
esac
;;
*) dflt="$osname" ;;
esac
rp="Operating system name?"
./myread
case "$ans" in
none) osname="" ;;
*) osname=`echo "$ans" | $sed -e 's/[ ][ ]*/_/g' | ./tr '[A-Z]' '[a-z]'^` ;;
esac
@end
@if osvers
@if osname
echo " "
@end
case "$osvers" in
'|' )
case "$hintfile" in
'|' |none) dflt=none ;;
*) dflt=`echo $hintfile | $sed -e 's/\.sh$//' -e 's/^[^_]*//'^
dflt=`echo $dflt | $sed -e 's/^_/' -e 's/_./g'^`
case "$dflt" in
'|' ) dflt=none ;;
esac
;;
esac
;;
*) dflt="$osvers" ;;
esac
rp="Operating system version?"
./myread
case "$ans" in
none) osvers="" ;;
*) osvers="$ans" ;;
esac

@end

./posthint.sh

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Oldconfig.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_mbstowcs.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_mbstowcs.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:29 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_mbstowcs: Inlibc

?MAKE: -pick add @\$@ %<

?S:d\_mbstowcs:

?S: This variable conditionally defines the HAS\_MBSTOWCS symbol, which

?S: indicates to the C program that the mbstowcs() routine is available

?S: to convert a multibyte string into a wide character string.

?S:.

?C:HAS\_MBSTOWCS (MBSTOWCS):

?C: This symbol, if defined, indicates

that the mbstowcs routine is

?C: available to convert a multibyte string into a wide character string.

?C:.

?H:#\$d\_mbstowcs HAS\_MBSTOWCS /\*\*/

?H:.

?LINT:set d\_mbstowcs

: see if mbstowcs exists

set mbstowcs d\_mbstowcs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_mbstowcs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Guess.U,v \$

?RCS: Revision 3.0.1.5 1995/07/25 13:37:14 ram

?RCS: patch56: now knows about OS/2 platforms

?RCS:

?RCS: Revision 3.0.1.4 1994/10/29 15:53:55 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: call ./xenix explicitly instead of relying on PATH

?RCS:

?RCS: Revision 3.0.1.3 1993/12/15 08:14:35 ram

?RCS: patch15: variable d\_bsd was not always set properly

?RCS:

?RCS: Revision 3.0.1.2 1993/08/30 08:57:14 ram

?RCS: patch8: fixed comment which wrongly attributed the usrinc symbol

?RCS: patch8: no more ugly messages when no /usr/include/ctype.h

?RCS:

?RCS: Revision 3.0.1.1 1993/08/27 14:37:37 ram

?RCS: patch7: added support for OSF/1 machines

?RCS:

?RCS: Revision 3.0 1993/08/18 12:04:57 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit hazards some guesses as to what the general nature of the system

?X: is. The information it collects here is used primarily to establish default

?X: answers to other questions.

?X:

?MAKE:Guess d\_eunice d\_xenix d\_bsd d\_linux d\_dos d\_os2: cat test echo n c \  
contains rm tr Loc eunicefix

?MAKE: -pick add \$@ %<

?S:d\_eunice:

?S: This variable conditionally defines the symbols EUNICE\_SYSTEM, which

?S: alerts the C program that it must deal with ideosyncracies of VMS.

?S:.

?S:d\_xenix:

?S: This variable conditionally defines the symbol XENIX\_SYSTEM, which alerts

?S: the C program that it runs under Xenix.

?S:.

?S:d\_dos:

?S: This symbol conditionally defines the symbol DOS\_SYSTEM

when running on

?S: DOS with DJGPP or Cygwin.

?S:.

?S:d\_os2:

?S: This symbol conditionally defines the symbol OS2\_SYSTEM when running on

?S: an OS/2 system.

?S:.

?S:d\_bsd:

?S: This symbol conditionally defines the symbol BSD\_SYSTEM when running on a

?S: BSD system.

?S:.

?S:d\_linux:

?S: This symbol conditionally defines the symbol LINUX\_SYSTEM when running

?S: on a Linux system.

?S:.

?C:EUNICE\_SYSTEM (EUNICE):

?C: This symbol, if defined, indicates that the program is being compiled

?C: under the EUNICE package under VMS. The program will need to handle

?C: things like files that don't go away the first time you unlink them,

?C: due to version numbering. It will also need to compensate for lack

?C: of a respectable link() command.

?C:.

?C:VMS\_SYSTEM (VMS):

?C: This symbol, if defined, indicates that the program is running under

?C: VMS. It is currently only set in conjunction with the EUNICE symbol.

?C:.

?C:XENIX\_SYSTEM (XENIX):

?C: This symbol, if defined, indicates that the program

is running under

?C: Xenix (at least 3.0 ?).

?C:.

?C:DOS\_SYSTEM:

?C: This symbol, if defined, indicates that the program is running under

?C: DOS with DJGPP.

?C:.

?C:OS2\_SYSTEM:

?C: This symbol, if defined, indicates that the program is running under

?C: an OS/2 system.

?C:.

?C:BSD\_SYSTEM:

?C: This symbol, if defined, indicates that the program is running under

?C: a BSD system.

?C:.

?C:LINUX\_SYSTEM:

?C: This symbol, if defined, indicates that the program is running under

?C: a Linux system.

?C:.

?H:#\$d\_eunice EUNICE\_SYSTEM /\*\*/

?H:#\$d\_eunice VMS\_SYSTEM /\*\*/

?H:#\$d\_xenix XENIX\_SYSTEM /\*\*/

?H:#\$d\_dos DOS\_SYSTEM /\*\*/

```

?H:#$d_os2 OS2_SYSTEM /**/
?H:#$d_bsd BSD_SYSTEM /**/
?H:#$d_linux LINUX_SYSTEM /**/
?H:.
?F:./bsd ./usg ./v7 ./osf1 ./eunice ./xenix ./venix ./dos ./os2 ./gnu ./linux
?T:xxx DJGPP MACHTYPE
: make some quick guesses about what we are up against
echo " "
$echo $n "Hmm... $c"
echo exit 1 >bsd
echo exit 1 >usg
echo exit 1 >v7
echo exit 1 >osf1
echo exit 1 >eunice
echo
  exit 1 >xenix
echo exit 1 >venix
echo exit 1 >os2
echo exit 1 >gnu
echo exit 1 >linux
echo exit 1 >dos
d_bsd="$undef"
d_linux="$undef"
d_dos="$undef"
d_os2="$undef"
?X:
?X: Do not use 'usrinc', or we get a circular dependency. because
?X: usrinc is defined in usrinc.U, which relies on us...
?X:
$cat /usr/include/signal.h /usr/include/sys/signal.h >foo 2>/dev/null
if test -f /osf_boot || $contains 'OSF/1' /usr/include/ctype.h >/dev/null 2>&1
then
  echo "Looks kind of like an OSF/1 system, but we'll see..."
  echo exit 0 >osf1
elif test `echo abc | $tr a-z A-Z` = Abc ; then
  xxx=`./loc addbib blurfl $pth`
  if $test -f $xxx; then
    echo "Looks kind of like a USG system with BSD features, but we'll see..."
    echo exit 0 >bsd
    echo exit 0 >usg
  else
    if $contains SIGTSTP foo >/dev/null 2>&1 ; then
      echo "Looks kind of like an extended USG system, but we'll see..."
    else
      echo "Looks kind of like a USG system, but we'll see..."
    fi
  fi
  echo exit 0 >usg
fi

```



```

elif $contains SIGTSTP foo >/dev/null
2>&1 ; then
echo "Looks kind of like a BSD system, but we'll see..."
d_bsd="$define"
echo exit 0 >bsd
elif
$rm --version 2>/dev/null >foo;
$contains "Free Software Foundation" foo >/dev/null
then
xxx=`uname`
echo exit 0 >gnu
echo "Looks kind of like a GNU/$xxx system, but we'll see..."
if $test X$xxx = XLinux; then
d_linux="$define"
echo exit 0 >linux
fi
else
echo "Looks kind of like a Version 7 system, but we'll see..."
echo exit 0 >v7
fi
case "$eunicefix" in
*unixtovms*)
$cat <<'EOI'
There is, however, a strange, musty smell in the air that reminds me of
something...hmm...yes...I've got it...there's a VMS nearby, or I'm a Blit.
EOI
echo exit 0 >eunice
d_eunice="$define"
: it so happens the Eunice I know will not run shell scripts in Unix format
;;
*)
echo " "
echo "Congratulations. You aren't running Eunice."
d_eunice="$undef"
;;
esac
case "$p_" in
:) ;;
*)
$cat <<'EOI'
I have the feeling something is not exactly right, however...don't tell me...
EOI
if
test -n "$DJGPP"; then
case "X${MACHTYPE:-nonosuchmach}" in
cygwin) echo "hah!... you're running under Cygwin!";;
*) echo "got it... you're running DOS with DJGPP!";;
esac

```

```

echo exit 0 >dos
d_dos="$define"
else
$cat <<'EOI'
lemme think...does HAL ring a bell?...no, of course, you're only running OS/2!
EOI
echo exit 0 >os2
d_os2="$define"
fi
;;
esac
if test -f /xenix; then
echo "Actually, this looks more like a XENIX system..."
echo exit 0 >xenix
d_xenix="$define"
else
echo " "
echo "It's not Xenix..."
d_xenix="$undef"
fi
chmod +x xenix
$unicefix xenix
if test -f /venix; then
echo "Actually, this looks more like a VENIX system..."
echo exit 0 >venix
else
echo " "
if ./xenix; then
: null
else
echo "Nor is it Venix..."
fi
fi
chmod +x bsd usg v7 osf1 eunice xenix venix dos os2 gnu linux
$unicefix bsd usg v7 osf1 eunice xenix venix dos os2 gnu linux
$rm -f foo

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Guess.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_shm.U,v 3.0 1993/08/18 12:07:17 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

```

?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_shm.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:17 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_shm: test d_shmctl d_shmget d_shmat d_shmdt Setvar Findhdr osname
?MAKE: -pick add $@ %<
?S:d_shm:
?S: This variable conditionally defines the HAS_SHM symbol, which
?S: indicates that the entire shm*(2) library is present.
?S:.
?C:HAS_SHM:
?C: This symbol, if defined, indicates that the entire shm*(2) library is
?C: supported.
?C:.
?H:#$d_shm HAS_SHM /**/
?H:.
?T:h_shm
?LINT:set
d_shm
: see how much of the 'shm*(2)' library is present.
h_shm=true
echo " "
case "$d_shmctl$d_shmget$d_shmat$d_shmdt" in
*"$undef"*) h_shm=false;;
esac
case "$osname" in
freebsd)
case "`ipcs 2>&1`" in
"SVID shared memory"*"not configured"*)
echo "Your $osname does not have the shm*(2) configured." >&4
h_shm=false
val="$undef"
set shmctl d_shmctl
eval $setvar
set shmget d_shmget
eval $setvar
set shmat d_shmat
eval $setvar
set shmdt d_shmdt
eval $setvar
;;
esac
;;
esac

```

```
: we could also check for sys/ipc.h ...
if $h_shm && $test `./findhdr sys/shm.h`; then
echo "You have the full shm*(2) library." >&4
val="$define"
else
echo "You don't have the full shm*(2) library." >&4
val="$undef"
fi
set d_shm
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_shm.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Null.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Null.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:10 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing shell code to set all variables to ". This
?X: probably isn't necessary, but I'm paranoid. About certain things.
?X:
?MAKE:Null: Head
?MAKE: -pick add.Null $@ %<
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Null.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
```

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: voidflags.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:27:58 ram  
?RCS: patch61: don't prompt them if the void support is high enough for us  
?RCS:  
?RCS: Revision 3.0.1.1 1995/01/11 15:37:44 ram  
?RCS: patch45: cosmetic change to avoid spurious blank lines when using -s  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:10:01 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:voidflags defvoidused: cat sed rm rm\_try contains +cc +ccflags package \  
Oldconfig Myread  
?MAKE: -pick add \$@ %<  
?S:voidflags:  
?S: This  
variable contains the eventual value of the VOIDFLAGS symbol,  
?S: which indicates how much support of the void type is given by this  
?S: compiler. See VOIDFLAGS for more info.  
?S:.  
?S:defvoidused:  
?S: This variable contains the default value of the VOIDUSED symbol (15).  
?S:.  
?X: Exceptionally, we have to explicitly alias the symbol name for  
?X: config\_h.SH, otherwise the comment would not appear.  
?C:VOIDFLAGS ~ %<:  
?C: This symbol indicates how much support of the void type is given by this  
?C: compiler. What various bits mean:  
?C:  
?C: 1 = supports declaration of void  
?C: 2 = supports arrays of pointers to functions returning void  
?C: 4 = supports comparisons between pointers to void functions and  
?C: addresses of void functions  
?C: 8 = supports declaration of generic void pointers  
?C:  
?C: The package designer should define VOIDUSED to indicate the requirements  
?C: of the package. This can be done either by #defining VOIDUSED before  
?C: including  
config.h, or by defining defvoidused in Myinit.U. If the  
?C: latter approach is taken, only those flags will be tested. If the  
?C: level of void support necessary is not present, defines void to int.  
?C:.  
?H:%<:#ifndef VOIDUSED  
?H:%<:#define VOIDUSED \$defvoidused  
?H:%<:#endif

```

?H:?%<:#define VOIDFLAGS $voidflags
?H:?%<:#if (VOIDFLAGS & VOIDUSED) != VOIDUSED
?H:?%<:#define void int /* is void to be avoided? */
?H:?%<:#define M_VOID /* Xenix strikes again */
?H:?%<:#endif
?H:.
?W:?%<:void
?F:!.out !try.c !flags
?LINT:usefile .out flags try.c
?INIT:: full support for void wanted by default
?INIT:defvoidused=15
?INIT:
?LINT:known void M_VOID VOIDUSED
: check for void type
echo " "
echo "Checking to see how well your C compiler groks the void type..." >&4
$cat >flags <<EOM

```

Support flag bits are:

- 1: basic void declarations.
- 2: arrays of pointers to functions returning void.
- 4: operations between pointers to and addresses of void functions.
- 8: generic void pointers.

EOM

```

case
"$voidflags" in
")
$cat >try.c <<'EOCP'
#if TRY & 1
void sub() {
#else
sub() {
#endif
extern void moo(); /* function returning void */
void (*goo)(); /* ptr to func returning void */
#if TRY & 8
void *hue; /* generic ptr */
#endif
#if TRY & 2
void (*foo[10])();
#endif

#if TRY & 4
if(goo == moo) {
    exit(0);
}
#endif

```

```

exit(0);
}
int main() { sub(); }
EOCP
?X: This unit used to use cc -S in those tests to try to speed up things, but
?X: unfortunately, AIX 3.2 does not support this option.
if $cc $ccflags -c -DTRY=$defvoidused try.c >/dev/null 2>&1 ; then
voidflags=$defvoidused
echo "Good. It appears to support void to the level $package wants."
if $contains warning .out >/dev/null 2>&1; then
echo "However, you might get some warnings that look like this:"
$sed -e 's/^/' .out
fi
else
echo "Hmm, your compiler has some difficulty with void. Checking further..." >&4
$cat >&4 flags
$rm -f flags
if $cc $ccflags -c -DTRY=1 try.c >/dev/null 2>&1; then
echo
"It supports 1..."
if $cc $ccflags -c -DTRY=3 try.c >/dev/null 2>&1; then
echo "It also supports 2..."
if $cc $ccflags -c -DTRY=7 try.c >/dev/null 2>&1; then
voidflags=7
echo "And it supports 4 but not 8 definitely."
else
echo "It doesn't support 4..."
if $cc $ccflags -c -DTRY=11 try.c >/dev/null 2>&1; then
voidflags=11
echo "But it supports 8."
else
voidflags=3
echo "Neither does it support 8."
fi
fi
else
echo "It does not support 2..."
if $cc $ccflags -c -DTRY=13 try.c >/dev/null 2>&1; then
voidflags=13
echo "But it supports 4 and 8."
else
if $cc $ccflags -c -DTRY=5 try.c >/dev/null 2>&1; then
voidflags=5
echo "And it supports 4 but has not heard about 8."
else
echo "However it supports 8 but not 4."
fi
fi

```

```

fi
else
echo "There is no support at all for void."
voidflags=0
fi
fi
esac
?X: Only prompt user if support does not match the
level we want
case "$voidflags" in
"$defvoidused")
echo "Good. I already know it supports void to the level $package wants."
;;
*)
dflt="$voidflags";
test -f flags && $cat flags
rp="Your void support flags add up to what?"
./myread
voidflags="$ans"
;;
esac
$rm_try flags

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/voidflags.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_ctime\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_ctime\_r ctime\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_time i\_systime extern\_C

?MAKE: -pick add \$@ %<

?S:d\_ctime\_r:

?S: This variable conditionally defines the HAS\_CTIME\_R symbol,

?S: which indicates to the C program that the ctime\_r()

?S: routine is available.

?S:.

?S:ctime\_r\_proto:

?S: This variable encodes the prototype of ctime\_r.

?S: It is zero if d\_ctime\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_ctime\_r



?S: is defined.

?S:.

?C:HAS\_CTIME\_R:

?C: This symbol, if defined, indicates that the ctime\_r routine

?C: is available to ctime re-entrantly.

?C:.

?C:CTIME\_R\_PROTO:

?C: This

symbol encodes the prototype of ctime\_r.

?C: It is zero if d\_ctime\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_ctime\_r

?C: is defined.

?C:.

?H:#\$d\_ctime\_r HAS\_CTIME\_R /\*\*/

?H:#define CTIME\_R\_PROTO \$ctime\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_ctime\_r\_proto

: see if ctime\_r exists

set ctime\_r d\_ctime\_r

eval \$inlibc

case "\$d\_ctime\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_time time.h \$i\_systime sys/time.h"

case "\$d\_ctime\_r\_proto:\$usethreads" in

":define") d\_ctime\_r\_proto=define

set d\_ctime\_r\_proto ctime\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_ctime\_r\_proto" in

define)

case "\$ctime\_r\_proto" in

"|0) try='char\* ctime\_r(const time\_t\*, char\*);'

./protochk "\$extern\_C \$try" \$hdrs && ctime\_r\_proto=B\_SB ;;

esac

case "\$ctime\_r\_proto" in

"|0) try='char\* ctime\_r(const time\_t\*, char\*, int);'

./protochk "\$extern\_C \$try" \$hdrs && ctime\_r\_proto=B\_SBI ;;

esac

case "\$ctime\_r\_proto" in

"|0) try='int ctime\_r(const

time\_t\*, char\*);'

./protochk "\$extern\_C \$try" \$hdrs && ctime\_r\_proto=I\_SB ;;

esac

case "\$ctime\_r\_proto" in

"|0) try='int ctime\_r(const time\_t\*, char\*, int);'

./protochk "\$extern\_C \$try" \$hdrs && ctime\_r\_proto=I\_SBI ;;

esac

```

case "$ctime_r_proto" in
"|0) d_ctime_r=undef
ctime_r_proto=0
echo "Disabling ctime_r, cannot determine prototype." >&4 ;;
* ) case "$ctime_r_proto" in
REENTRANT_PROTO*) ;;
*) ctime_r_proto="REENTRANT_PROTO_ $ctime_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "ctime_r has no prototype, not using it." >&4 ;;
esac
d_ctime_r=undef
ctime_r_proto=0
;;
esac
;;
*) ctime_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_ctime_r.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_chsize.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_chsize.U,v $
?RCS: Revision 3.0 1993/08/18 12:05:50 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_chsize: Inlibc
?MAKE: -pick add $@ %<
?S:d_chsize:
?S: This variable conditionally defines the CHSIZE symbol, which
?S: indicates to the C program that the chsize() routine is available
?S: to truncate files. You might need a -lx to get this routine.

```

?S:  
?C:HAS\_CHSIZE (CHSIZE):  
?C: This symbol, if defined, indicates that the chsize routine is available  
?C: to truncate files. You might need a -lx to get this routine.  
?C:.  
?H:#\$d\_chsize HAS\_CHSIZE /\*\*/  
?H:.  
?LINT:set d\_chsize  
: see if chsize exists  
set chsize d\_chsize  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_chsize.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_getfsstat : Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getfsstat:  
?S: This variable conditionally defines the HAS\_GETFSSTAT symbol, which  
?S: indicates to the C program that the getfsstat() routine is available.  
?S:.  
?C:HAS\_GETFSSTAT:  
?C: This symbol, if defined, indicates that the getfsstat routine is  
?C: available to stat filesystems in bulk.  
?C:.  
?H:#\$d\_getfsstat HAS\_GETFSSTAT /\*\*/  
?H:.  
?LINT:set d\_getfsstat  
: see if getfsstat exists  
set getfsstat d\_getfsstat  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getfsstat.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: maildir.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:  
?RCS: \$Log: maildir.U,v \$  
?RCS: Revision 3.0.1.1 1993/12/15 08:21:56 ram  
?RCS: patch15: now also looks under /var/mail for BSD/386

?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:09 ram  
?RCS: Baseline for dist 3.0 netwide release.

?RCS:  
?MAKE:maildir maildirexp: Getfile Loc Oldconfig  
?MAKE: -pick add \$@ %<

?S:maildir:  
?S: This variable contains the name of the directory in which mail is  
?S: spooled. Programs using this variable must be prepared to deal with  
?S: ~name  
substitutions.

?S:.  
?S:maildirexp:  
?S: This is the same as the maildir variable, but is filename expanded  
?S: at configuration time, for programs not willing to deal with it at  
?S: run-time.

?S:.  
: determine where mail is spooled  
case "\$maildir" in  
) dflt=`./loc ./usr/spool/mail /usr/spool/mail /usr/mail /var/mail`;;  
) dflt="\$maildir";;  
esac  
echo " "  
fn=d~  
rp='Where is yet-to-be-read mail spooled?'  
./getfile  
maildir="\$ans"  
maildirexp="\$ansexp"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/maildir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_qgcvt: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_qgcvt:  
?S: This variable conditionally defines the HAS\_QGCVT symbol, which  
?S: indicates to the C program that the qgcvt() routine is available.  
?S:.  
?C:HAS\_QGCVT:  
?C: This symbol, if defined, indicates that the qgcvt routine is  
?C: available to convert long doubles ("quad doubles") to strings.  
?C: This is a low-level routine hopefully faster than sprintf.  
?C:.  
?H:#\$d\_qgcvt HAS\_QGCVT /\*\*/  
?H:.  
?LINT:set d\_qgcvt  
: see if qgcvt exists  
set qgcvt d\_qgcvt  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_qgcvt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getgrps.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_getgrps.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:08 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_getgrps: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getgrps:  
?S: This variable conditionally defines the HAS\_GETGROUPS symbol, which  
?S: indicates to the C program that the getgroups() routine is available  
?S: to get the list of process groups.

?S:.

?C:HAS\_GETGROUPS (GETGROUPS):

?C: This symbol, if defined, indicates that the getgroups()  
routine is

?C: available to get the list of process groups. If unavailable, multiple

?C: groups are probably not supported.

?C:.

?H:#\$d\_getgrps HAS\_GETGROUPS /\*\*/

?H:.

?LINT:set d\_getgrps

: see if getgroups exists

set getgroups d\_getgrps

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/d\_getgrps.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: libperl.U,v \$

?RCS:

?RCS: Copyright (c) 1996-1998, Andy Dougherty

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:libperl useshrplib shrpenv ldlibpthname: \  
Myread Oldconfig archlibexp awk cat libc \  
\_a osname osvers so patchlevel subversion usedl ld \  
ccdlflags installarchlib userlocatableinc

?MAKE: -pick wipe \$@ %<

?S:libperl:

?S: The perl executable is obtained by linking perlmain.c with

?S: libperl, any static extensions (usually just DynaLoader),

?S: and any other libraries needed on this system. libperl

?S: is usually libperl.a, but can also be libperl.so.xxx if

?S: the user wishes to build a perl executable with a shared

?S: library.

?S:.

?S:useshrplib:

?S: This variable is set to 'true' if the user wishes

?S: to build a shared libperl, and 'false' otherwise.

?S:.

?S:shrpenv:

?S: If

the user builds a shared libperl.so, then we need to tell the

?S: 'perl' executable where it will be able to find the installed libperl.so.

?S: One way to do this on some systems is to set the environment variable

?S: LD\_RUN\_PATH to the directory that will be the final location of the  
 ?S: shared libperl.so. The makefile can use this with something like  
 ?S: \$shrpenv \$(CC) -o perl perlmain.o \$libperl \$libs  
 ?S: Typical values are  
 ?S: shrpenv="env LD\_RUN\_PATH=\$archlibexp/CORE"  
 ?S: or  
 ?S: shrpenv="  
 ?S: See the main perl Makefile.SH for actual working usage.  
 ?S:  
 ?S: Alternatively, we might be able to use a command line option such  
 ?S: as -R \$archlibexp/CORE (Solaris) or -Wl,-rpath  
 ?S: \$archlibexp/CORE (Linux).  
 ?S:.  
 ?S:ldlibpthname:  
 ?S: This variable holds the name of the shared library  
 ?S: search path, often LD\_LIBRARY\_PATH. To get an empty  
 ?S: string, the hints file must set this to 'none'.  
 ?S:.  
 ?T:shrpdir majonly majmin also xxx tmp\_shrpenv  
 ?X: metalint gets confused and thinks we're  
 actually setting LDOPTS  
 ?X: and LD\_RUN\_PATH.  
 ?LINT:extern LDOPTS  
 ?LINT:change LDOPTS  
 ?LINT:extern LD\_RUN\_PATH  
 ?LINT:change LD\_RUN\_PATH  
 ?LINT:change ccdlflags  
 ?LINT:extern maintloc maintname  
 ?Y:top  
 : Do we want a shared libperl?  
 also="  
 case "\$usedl" in  
 \$undef)  
 # No dynamic loading being used, so don't bother even to prompt.  
 useshrplib='false'  
 ;;  
 \*) case "\$useshrplib" in  
 ") case "\$osname" in  
 svr4\*|nonstopux|dgux|dynixptx|esix|powerux|haiku|cygwin\*)  
 dflt=y  
 also='Building a shared libperl is required for dynamic loading to work on your system.'  
 ;;  
 \*) dflt=n  
 ;;  
 esac  
 ;;  
 \$define[true|[Yy]\*)  
 dflt=y

```

;;
*) dflt=n
;;
esac
$cat << EOM

```

The perl executable is normally obtained by linking perlmain.c with libperl\${\_a}, any static extensions (usually just DynaLoader), and any other libraries needed on this system (such as -lm, etc.). Since your system supports dynamic loading, it is probably possible to build a shared libperl.\$so. If you will have more than one executable linked to libperl.\$so, this will significantly reduce the size of each executable, but it may have a noticeable effect on performance. The default is probably sensible for your system.

\$also

EOM

```

rp="Build a shared libperl.$so (y/n)"
. ./myread
case "$ans" in
true|$define[[Yy]*)
  useshrplib='true' ;;
*) useshrplib='false' ;;
esac
;;
esac

case "$useshrplib" in
true)
case "$userelocatableinc" in
true|define)
  echo "Cannot build with both -Duserelocatableinc and -Duseshrplib" >&4
  echo "See INSTALL for an explanation why that won't work." >&4
  exit 4
;;
esac
case "$libperl" in
")
  # Figure out a good name for libperl.so. Since it gets stored in
  # a version-specific architecture-dependent library, the version
  # number isn't really that important, except for making cc/ld happy.
  #
  # A name such as libperl.so.10.1
  majmin="libperl.$so.$patchlevel.$subversion"
  # A name such as libperl.so.100
  majonly=`echo $patchlevel $subversion |
  $awk '{printf

```



```

"%d%02d", $1, $2}"
majonly=libperl.$so.$majonly
# I'd prefer to keep the os-specific stuff here to a minimum, and
# rely on figuring it out from the naming of libc.
case "${osname}${osvers}" in
*linux*|gnu*) # ld won't link with a bare -lperl otherwise.
dflt=libperl.$so
;;
cygwin*) # ld links now against the dll directly
majmin="cygperl5_${patchlevel}_${subversion}.${so}"
majonly=`echo $patchlevel $subversion |
$awk '{printf "%03d%03d", $1, $2}'`
majonly=cygperl5.$majonly.$so
dflt=$majmin
;;
*) # Try to guess based on whether libc has major.minor.
case "$libc" in
*libc.$so.[0-9]*.[0-9]*) dflt=$majmin ;;
*libc.$so.[0-9]*) dflt=$majonly ;;
*) dflt=libperl.$so ;;
esac
;;
esac
;;
*) dflt=$libperl
;;
esac
cat << EOM

```

I need to select a good name for the shared libperl. If your system uses library names with major and minor numbers, then you might want something like \$majmin. Alternatively, if your system uses a single version number for shared libraries, then you might want to use \$majonly. Or, your system might be quite happy with a simple libperl.\$so.

Since the shared libperl will get installed into a version-specific architecture-dependent directory, the version number of the shared perl library probably isn't important, so the default should be o.k.

```

EOM
rp='What name do you want to give to the shared libperl?'
./myread
libperl=$ans
echo "Ok, I'll use $libperl"
;;
*)
libperl="libperl${_a}"

```

```
::
esac
```

```
# Detect old use of shrpdir via undocumented Configure -Dshrpdir
```

```
case "$shrpdir" in
```

```
) ;;
```

```
*) $cat >&4 <<EOM
```

```
WARNING: Use of the shrpdir variable for the installation location of
the shared $libperl is not supported. It was never documented and
will not work in this version. Let me (<$maintloc>)
know of any problems this may cause.
```

```
EOM
```

```
case "$shrpdir" in
```

```
"$archlibexp/CORE")
```

```
$cat >&4 <<EOM
```

```
But your current setting of $shrpdir is
the default anyway, so it's harmless.
```

```
EOM
```

```
::
```

```
*)
```

```
$cat
```

```
>&4 <<EOM
```

```
Further, your current attempted setting of $shrpdir
conflicts with the value of $archlibexp/CORE
that installperl will use.
```

```
EOM
```

```
::
```

```
esac
```

```
::
```

```
esac
```

```
# How will the perl executable find the installed shared $libperl?
```

```
# Add $xxx to ccdlflags.
```

```
# If we can't figure out a command-line option, use $shrpdir to
```

```
# set env LD_RUN_PATH. The main perl makefile uses this.
```

```
shrpdir=$archlibexp/CORE
```

```
xxx=""
```

```
tmp_shrpdir=""
```

```
if "$useshrplib"; then
```

```
  case "$osname" in
```

```
    aix)
```

```
      # We'll set it in Makefile.SH...
```

```
      ::
```

```
    solaris)
```

```
      xxx="-R $shrpdir"
```

```
      ::
```

```
    freebsd|minix|mirbsd|netbsd|openbsd|interix|dragonfly|bitrig)
```

```

xxx="-Wl,-R$shrpdir"
;;
bsdos|linux|irix*|dec_osf|gnu*|haiku)
xxx="-Wl,-rpath,$shrpdir"
;;
hpux*)
# hpux doesn't like the default, either.
tmp_shrpenv="env LDOPTS=\"+s +b${shrpdir}\""
;;
cygwin)
# cygwin needs only ldlibpth
;;
*)
tmp_shrpenv="env LD_RUN_PATH=$shrpdir"
;;
esac
case "$xxx" in
") ;;
*)
# Only add $xxx if it isn't already in ccdlflags.
case
"$ccdlflags" in
*" $xxx "*) ;;
*) ccdlflags="$ccdlflags $xxx"
cat <<EOM >&4

```

Adding \$xxx to the flags passed to \$ld so that the perl executable will find the installed shared \$libperl.

```

EOM
;;
esac
;;
esac
fi
# Fix ccdlflags in AIX for building external extensions.
# (For building Perl itself bare -bE:perl.exp is needed,
# Makefile.SH takes care of this.)
case "$osname" in
aix) ccdlflags="$ccdlflags -bE:$installarchlib/CORE/perl.exp" ;;
esac
# Respect a hint or command-line value.
case "$shrpenv" in
") shrpenv="$tmp_shrpenv" ;;
esac
case "$ldlibpthname" in
") ldlibpthname=LD_LIBRARY_PATH ;;

```

```
none) ldlbpthname="" ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/libperl.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

?RCS: This file is included with or a derivative work of a file included

?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.

?RCS: In accordance with clause 7 of dist's modified Artistic License:

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:multiarch: osname

?MAKE: -pick add \$@ %<

?S:multiarch:

?S: This variable conditionally defines the MULTIARCH symbol

?S: which signifies the presence of multiplatform files.

?S: This is normally set by hints files.

?S:.

?C:MULTIARCH:

?C: This symbol, if defined, signifies that the build

?C: process will produce some binary files that are going to be

?C: used in a cross-platform environment. This is the case for

?C: example with the NeXT "fat" binaries that contain executables

?C: for

several CPUs.

?C:.

?H:#\$multiarch MULTIARCH /\*\*/

?H:.

: Check if is a multiplatform env

case "\$osname" in

darwin) multiarch="\$define" ;;

esac

case "\$multiarch" in

"|[nN]\*") multiarch="\$undef" ;;

esac

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/a_dvisory/multiarch.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_dlfcn.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: i_dlfcn.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:21:53 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:i_dlfcn: Inhdr
?MAKE: -pick add $@ %<
?S:i_dlfcn:
?S: This variable conditionally defines the I_DLFCN symbol, which
?S: indicates to the C program that <dlfcn.h> exists and should
?S: be included.
?S:.
?C:I_DLFCN:
?C: This symbol, if defined, indicates that <dlfcn.h> exists
and should
?C: be included.
?C:.
?H:#$i_dlfcn I_DLFCN /**/
?H:.
?LINT:set i_dlfcn
: see if dlfcn is available
set dlfcn.h i_dlfcn
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_dlfcn.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getgrnam_r.U,v 0RCS:
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
```

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getgrnam\_r getgrnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_grp extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getgrnam\_r:

?S: This variable conditionally defines the HAS\_GETGRNAM\_R symbol,  
 ?S: which indicates to the C program that the getgrnam\_r()  
 ?S: routine is available.

?S:.

?S:getgrnam\_r\_proto:

?S: This variable encodes the prototype of getgrnam\_r.  
 ?S: It is zero if d\_getgrnam\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrnam\_r  
 ?S: is defined.

?S:.

?C:HAS\_GETGRNAM\_R:

?C: This symbol, if defined, indicates that the getgrnam\_r routine  
 ?C: is available to  
 getgrnam re-entrantly.

?C:.

?C:GETGRNAM\_R\_PROTO:

?C: This symbol encodes the prototype of getgrnam\_r.  
 ?C: It is zero if d\_getgrnam\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getgrnam\_r  
 ?C: is defined.

?C:.

?H:#\$d\_getgrnam\_r HAS\_GETGRNAM\_R /\*\*/  
 ?H:#define GETGRNAM\_R\_PROTO \$getgrnam\_r\_proto /\*\*/  
 ?H:.

?T:try hdrs d\_getgrnam\_r\_proto  
 : see if getgrnam\_r exists  
 set getgrnam\_r d\_getgrnam\_r  
 eval \$inlibc  
 case "\$d\_getgrnam\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_grp grp.h"  
 case "\$d\_getgrnam\_r\_proto:\$usethreads" in  
 ":define") d\_getgrnam\_r\_proto=define  
 set d\_getgrnam\_r\_proto getgrnam\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_getgrnam\_r\_proto" in  
 define)  
 case "\$getgrnam\_r\_proto" in  
 "|0) try='int getgrnam\_r(const char\*, struct group\*, char\*, size\_t, struct group\*\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && getgrnam\_r\_proto=I\_CSBWR ;;

```

esac
case "$getgrnam_r_proto" in
"|0) try='int getgrnam_r(const char*, struct group*, char*,
int, struct group**);'
./prochck "$extern_C $try" $hdrs && getgrnam_r_proto=I_CSBIIR ;;
esac
case "$getgrnam_r_proto" in
"|0) try='struct group* getgrnam_r(const char*, char*, int);'
./prochck "$extern_C $try" $hdrs && getgrnam_r_proto=S_CBI ;;
esac
case "$getgrnam_r_proto" in
"|0) try='int getgrnam_r(const char*, struct group*, char*, int);'
./prochck "$extern_C $try" $hdrs && getgrnam_r_proto=I_CSBI ;;
esac
case "$getgrnam_r_proto" in
"|0) try='struct group* getgrnam_r(const char*, struct group*, char*, int);'
./prochck "$extern_C $try" $hdrs && getgrnam_r_proto=S_CSBI ;;
esac
case "$getgrnam_r_proto" in
"|0) d_getgrnam_r=undef
getgrnam_r_proto=0
echo "Disabling getgrnam_r, cannot determine prototype." >&4 ;;
* ) case "$getgrnam_r_proto" in
REENTRANT_PROTO*) ;;
*) getgrnam_r_proto="REENTRANT_PROTO_$getgrnam_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getgrnam_r has no prototype, not using it."
>&4 ;;
esac
d_getgrnam_r=undef
getgrnam_r_proto=0
;;
esac
;;
*) getgrnam_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getgrnam\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:  
?RCS: Copyright (c) 2001 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_socketmark: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_socketmark:  
?S: This variable conditionally defines the HAS\_SOCKETMARK symbol, which  
?S: indicates to the C program that the socketmark() routine is available.  
?S:.  
?C:HAS\_SOCKETMARK:  
?C: This symbol, if defined, indicates that the socketmark routine is  
?C: available to test whether a socket is at the out-of-band mark.  
?C:.  
?H:#\$d\_socketmark HAS\_SOCKETMARK /\*\*/  
?H:.  
?LINT:set d\_socketmark  
: see if socketmark exists  
set socketmark d\_socketmark  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_socketmark.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_bcmp.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_bcmp.U,v \$  
?RCS: Revision 3.0.1.2 1993/10/16 13:47:52 ram  
?RCS: patch12: added magic support for bcmp()  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:00:44 ram  
?RCS: patch10: now only defines HAS\_BCMP, no macro remap on memcmp (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:42 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:



```
?MAKE:d_bcmp: Inlibc
?MAKE: -pick add $@ %<
?S:d_bcmp:
?S: This variable conditionally defines the HAS_BCMP symbol
if
?S: the bcmp() routine is available to compare strings.
?S:.
?C:HAS_BCMP:
?C: This symbol is defined if the bcmp() routine is available to
?C: compare blocks of memory.
?C:.
?H:#$d_bcmp HAS_BCMP /**/
?H:.
?M:bcmp: HAS_BCMP
?M:#ifndef HAS_BCMP
?M:#ifndef bcmp
?M:#define bcmp(s,d,l) memcmp((s),(d),(l))
?M:#endif
?M:#endif
?M:.
?LINT:set d_bcmp
: see if bcmp exists
set bcmp d_bcmp
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_bcmp.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: installprefix.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1999 Andy Dougherty
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: installprefix.U,v $
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
?RCS: Initial revision
?RCS:
?RCS:
?MAKE:installprefix installprefixexp: Getfile Loc \
```

Oldconfig afs cat package prefix

?MAKE: -pick add \$@ %<

?S:installprefix:

?S: This variable holds the name of the directory below which

?S: "make install" will install the package. For most users, this

?S: is the same

as prefix. However, it is useful for

?S: installing the software into a different (usually temporary)

?S: location after which it can be bundled up and moved somehow

?S: to the final location specified by prefix.

?S:.

?S:installprefixexp:

?S: This variable holds the full absolute path of installprefix

?S: with all ~-expansion done.

?S:.

: determine installation prefix for where package is to be installed.

if \$afs; then

\$cat <<EOM

Since you are running AFS, I need to distinguish the directory in which files will reside from the directory in which they are installed (and from which they are presumably copied to the former directory by occult means).

EOM

```
case "$installprefix" in
```

```
) dflt=`echo $prefix | sed 's#^/afs/#/afs/.#`;;
```

```
*) dflt="$installprefix";;
```

```
esac
```

```
else
```

```
$cat <<EOM
```

In some special cases, particularly when building \$package for distribution, it is convenient to distinguish the directory in which files should be installed from the directory (\$prefix) in which they will eventually

reside. For most users, these two directories are the same.

EOM

```
case "$installprefix" in
```

```
) dflt=$prefix ;;
```

```
*) dflt=$installprefix;;
```

```
esac
```

```
fi
```

```
fn=d~
```

```
rp='What installation prefix should I use for installing files?'
```

```
./getfile
```

```
installprefix="$ans"
```

```
installprefixexp="$ansexp"
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/installprefix.U

No license file was found, but licenses were detected in source scan.

?RCS:

?RCS: Copyright (c) 2012 Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:ilp d\_ilp32 d\_ilp64 d\_lp64 d\_can64: Assert Myread Setvar \

cat rm +cc +ccflags echo n c intsize longsize ptrsize

?MAKE: -pick add \$@ %<

?S:ilp:

?S: This variable contains the largest amount of bits that the CPU supports,

?S: from the compiler's point of view. Typically 32 or 64.

?S:.

?S:d\_ilp32:

?S: This variable conditionally defines the CPU\_IS\_ILP32.

?S:.

?S:d\_ilp64:

?S: This variable conditionally defines the CPU\_IS\_ILP64.

?S:.

?S:d\_lp64:

?S: This variable conditionally defines the CPU\_IS\_LP64.

?S:.

?S:d\_can64:

?S: This variable

conditionally defines CAN\_HANDLE\_64BITS.

?S:.

?C:CPU\_ILP\_MAXBITS:

?C: This symbol contains the largest amount of bits that the CPU natively

?C: supports from the compiler's point of view. Typically 32 or 64.

?C:.

?C:CPU\_IS\_ILP32:

?C: When defined, this indicates that the integer, long and pointer variables

?C: hold 32-bit values.

?C:.

?C:CPU\_IS\_ILP64:

?C: When defined, this indicates that the integer, long and pointer variables

?C: hold 64-bit values.

?C:.

?C:CPU\_IS\_LP64:

?C: When defined, this indicates that the long and pointer variables hold

?C: 64-bit values but integers are smaller (probably only 32-bit wide).

?C:.

?C:CAN\_HANDLE\_64BITS:

?C: When defined, this indicates that the compiler can handle 64-bit values

?C: despite the CPU having only 32-bit registers. These are available using

?C: the "long long" C type. It is only defined for ILP32 machines, since

?C: 64-bit support is naturally available on ILP64 and LP64 machines.

?C:.

```
?H:#define CPU_ILP_MAXBITS $ilp
```

```
?H:#$d_ilp32
```

```
  CPU_IS_ILP32 /**/
```

```
?H:#$d_ilp64 CPU_IS_ILP64 /**/
```

```
?H:#$d_lp64 CPU_IS_LP64 /**/
```

```
?H:#$d_can64 CAN_HANDLE_64BITS /**/
```

```
?H:.
```

```
?LINT: set d_ilp32 d_ilp64 d_lp64 d_can64
```

```
: check for architecture type
```

```
echo " "
```

```
$echo $n "Computing CPU architecture type...$c" >&4
```

```
ilp=`expr $longsize \* 8`
```

```
case "$ptrsize" in
```

```
8)
```

```
  val=$undef; set d_ilp32; eval $setvar
```

```
  case "$intsize" in
```

```
  8)
```

```
    echo " ILP64." >&4
```

```
    val=$define; set d_ilp64; eval $setvar
```

```
    val=$undef; set d_lp64; eval $setvar
```

```
    ;;
```

```
  *)
```

```
    echo " LP64." >&4
```

```
    val=$define; set d_lp64; eval $setvar
```

```
    val=$undef; set d_ilp64; eval $setvar
```

```
    ;;
```

```
  esac
```

```
  ;;
```

```
*)
```

```
  echo " ILP${ilp}." >&4
```

```
  case "$ilp" in
```

```
  32) val=$define;;
```

```
  *) val=$undef;;
```

```
  esac
```

```
  set d_ilp32; eval $setvar
```

```
  val=$undef; set d_ilp64; eval $setvar
```

```
  val=$undef; set d_lp64; eval $setvar
```

```
  ;;
```

```
esac
```

```

@if CAN_HANDLE_64BITS || d_can64
: see whether compiler supports 64-bit emulation
val=$undef
case "$ilp" in
64) val=$define;;
*)
$cat >try.c <<EOCP
#include "static_assert.h"
long long foo;
int main()
{
STATIC_ASSERT(8
== sizeof(foo));
return 0;
}
EOCP
if $cc -c $ccflags try.c >/dev/null 2>&1; then
echo " "
echo "Your compiler also supports 64-bit emulation." >&4
val=$define
fi
$rm -f try.*
;;
esac
set d_can64
eval $setvar

@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/ilp.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_linuxstd.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: d_linuxstd.U,v $
```

```

?RCS: Revision 3.0.1.1 1994/10/29 16:14:05 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_linuxstd: d_stdstdio cppstdin cppflags cppminus \
contains rm Setvar Findhdr
?MAKE: -pick add $@ %<
?S:d_linuxstd:
?S: This variable conditionally defines USE_LINUX_STDIO if this system
?S: has a FILE structure declaring _IO_read_base, _IO_read_ptr,
?S: and _IO_read_end
in stdio.h.
?S:.
?C:USE_LINUX_STDIO:
?C: This symbol is defined if this system has a FILE structure declaring
?C: _IO_read_base, _IO_read_ptr, and _IO_read_end in stdio.h.
?C:.
?H:#$d_linuxstd USE_LINUX_STDIO /**/
?H:.
?T:xxx
?LINT:set d_linuxstd
: see if stdio is like that in linux
case "$d_stdstdio" in
"$undef")
echo " "
xxx=`./findhdr stdio.h`
$cppstdin $cppflags $cppminus < "$xxx" > stdio.E
if $contains 'char.*_IO_read_base' stdio.E >/dev/null 2>&1 && \
$contains '_IO_read_ptr' stdio.E >/dev/null 2>&1 && \
$contains '_IO_read_end' stdio.E >/dev/null 2>&1 ; then
echo "Your stdio looks like linux." >&4
val="$define"
else
echo "You don't have linux stdio, either." >&4
val="$undef"
fi
$rm -f stdio.E
;;
*) val="$undef" ;;
esac

set d_linuxstd
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_linuxstd.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getpwnam\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_getpwnam\_r getpwnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_pwd extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_getpwnam\_r:  
?S: This variable conditionally defines the HAS\_GETPWNAM\_R symbol,  
?S: which indicates to the C program that the getpwnam\_r()  
?S: routine is available.  
?S:.  
?S:getpwnam\_r\_proto:  
?S: This variable encodes the prototype of getpwnam\_r.  
?S: It is zero if d\_getpwnam\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwnam\_r  
?S: is defined.  
?S:.  
?C:HAS\_GETPWNAM\_R:  
?C: This symbol, if defined, indicates that the getpwnam\_r routine  
?C: is available to  
getpwnam re-entrantly.  
?C:.  
?C:GETPWNAM\_R\_PROTO:  
?C: This symbol encodes the prototype of getpwnam\_r.  
?C: It is zero if d\_getpwnam\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getpwnam\_r  
?C: is defined.  
?C:.  
?H:#\$d\_getpwnam\_r HAS\_GETPWNAM\_R /\*\*/  
?H:#define GETPWNAM\_R\_PROTO \$getpwnam\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_getpwnam\_r\_proto  
: see if getpwnam\_r exists  
set getpwnam\_r d\_getpwnam\_r  
eval \$inlibc  
case "\$d\_getpwnam\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_pwd pwd.h"  
case "\$d\_getpwnam\_r\_proto:\$usethreads" in  
":define") d\_getpwnam\_r\_proto=define  
set d\_getpwnam\_r\_proto getpwnam\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;

```

esac
case "$d_getpwnam_r_proto" in
define)
case "$getpwnam_r_proto" in
"|0) try='int getpwnam_r(const char*, struct passwd*, char*, size_t, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=I_CSBWR ;;
esac
case "$getpwnam_r_proto" in
"|0) try='int getpwnam_r(const char*, struct passwd*,
char*, int, struct passwd**);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=I_CSBIR ;;
esac
case "$getpwnam_r_proto" in
"|0) try='struct passwd* getpwnam_r(const char*, struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=S_CSBI ;;
esac
case "$getpwnam_r_proto" in
"|0) try='int getpwnam_r(const char*, struct passwd*, char*, int);'
./protochk "$extern_C $try" $hdrs && getpwnam_r_proto=I_CSBI ;;
esac
case "$getpwnam_r_proto" in
"|0) d_getpwnam_r=undef
getpwnam_r_proto=0
echo "Disabling getpwnam_r, cannot determine prototype." >&4 ;;
*) case "$getpwnam_r_proto" in
REENTRANT_PROTO*) ;;
*) getpwnam_r_proto="REENTRANT_PROTO_$getpwnam_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susethreads" in
define) echo "getpwnam_r has no prototype, not using it." >&4 ;;
esac
d_getpwnam_r=undef
getpwnam_r_proto=0
;;
esac
;;
*) getpwnam_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getpwnam\_r.U

No license file was found, but licenses were detected in source scan.



?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2001 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_strftime: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_strftime:  
?S: This variable conditionally defines the HAS\_STRFTIME symbol, which  
?S: indicates to the C program that the strftime() routine is available.  
?S:.  
?C:HAS\_STRFTIME:  
?C: This symbol, if defined, indicates that the strftime routine is  
?C: available to do time formatting.  
?C:.  
?H:#\$d\_strftime HAS\_STRFTIME /\*\*/  
?H:.  
?LINT:set d\_strftime  
: see if strftime exists  
set strftime d\_strftime  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_strftime.U

No license file was found, but licenses were detected in source scan.

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?RCS:  
?RCS: Copyright (c) 1998, Jarkko Hietaniemi  
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?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:i\_sysaccess: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysaccess:  
?S: This variable conditionally defines the I\_SYS\_ACCESS symbol,  
?S: and indicates whether a C program should include <sys/access.h>.  
?S:.  
?C:I\_SYS\_ACCESS:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <sys/access.h>.

```

?C:.
?H:#$i_sysaccess I_SYS_ACCESS      /**/
?H:.
?LINT:set i_sysaccess
: see if sys/access.h is available
set sys/access.h i_sysaccess
eval $inhdr

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/acl/i_sysaccess.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: man1dir.U,v 3.2 1999/07/08 20:57:21 doughera Exp doughera $
?RCS:
?RCS: Copyright (c) 1996, 1999 Andy Dougherty
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
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?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: man1dir.U,v $
?RCS: Revision 3.2 1999/07/08 20:57:21 doughera
?RCS: Used installprefix.
?RCS:
?RCS: Revision 3.1 1999/07/08 20:52:19 doughera
?RCS: Updated for perl5.005_5x
?RCS:
?RCS: Revision 3.0.1.1 1997/02/28 16:10:29 ram
?RCS: patch61: created
?RCS:
?X: This was originally specific to perl5. Since perl5 has man pages that
?X: go in both man1/ and man3/ directories, we need both man1dir
?X: and
man3dir. This unit is basically dist's mansrc.U with
?X: man1 used instead of man everywhere.
?X:
?MAKE:man1dir man1direxp man1ext installman1dir: cat nroff Loc Oldconfig \
package test Getfile Setprefixvar Prefixit Prefixup sysman Myread \
prefixexp
?MAKE: -pick add $@ %<
?Y:TOP
?D:man1dir="
?S:man1dir:
?S: This variable contains the name of the directory in which manual

```

?S: source pages are to be put. It is the responsibility of the  
 ?S: Makefile.SH to get the value of this into the proper command.  
 ?S: You must be prepared to do the ~name expansion yourself.  
 ?S:.  
 ?D:man1direxp="  
 ?S:man1direxp:  
 ?S: This variable is the same as the man1dir variable, but is filename  
 ?S: expanded at configuration time, for convenient use in makefiles.  
 ?S:.  
 ?D:installman1dir="  
 ?S:installman1dir:  
 ?S: This variable is really the same as man1direxp, unless you are using  
 ?S: AFS in which case it points to the read/write location whereas  
 ?S: man1direxp only points to the read-only access location.  
 For extra  
 ?S: portability, you should only use this variable within your makefiles.  
 ?S:.  
 ?S:man1ext:  
 ?S: This variable contains the extension that the manual page should  
 ?S: have: one of 'n', 'l', or '1'. The Makefile must supply the '.'.  
 ?S: See man1dir.  
 ?S:.  
 ?T:lookpath  
 ?LINT:change prefixvar  
 ?LINT:set man1direxp  
 : determine where manual pages go  
 set man1dir man1dir none  
 eval \$prefixit  
 \$cat <<EOM

\$spackage has manual pages available in source form.

EOM

```
case "$nroff" in
nroff)
echo "However, you don't have nroff, so they're probably useless to you."
case "$man1dir" in
") man1dir="none";;
esac;;
esac
echo "If you don't want the manual sources installed, answer 'none'."
case "$man1dir" in
' ') dflt=none
;;
")
lookpath="$prefixexp/share/man/man1"
lookpath="$lookpath $prefixexp/man/man1 $prefixexp/man/l_man/man1"
lookpath="$lookpath $prefixexp/man/p_man/man1"
lookpath="$lookpath $prefixexp/man/u_man/man1"
```

```

lookpath="$lookpath $prefixexp/man/man.1"
?X: Experience has shown people
    expect man1dir to be under prefix,
?X: so we now always put it there. Users who want other behavior
?X: can answer interactively or use a command line option.
?X: Does user have System V-style man paths.
case "$sysman" in
*/?_man*) dflt=`./loc . $prefixexp/l_man/man1 $lookpath` ;;
*) dflt=`./loc . $prefixexp/man/man1 $lookpath` ;;
esac
set dflt
eval $prefixup
;;
*) dflt="$man1dir"
;;
esac
echo " "
fn=dn+~
rp="Where do the main $spackage manual pages (source) go?"
./getfile
if $test "X$man1direxp" != "X$ansexp"; then
installman1dir="
fi
prefixvar=man1dir
./setprefixvar

case "$man1dir" in
") man1dir=' '
installman1dir="";;
esac

```

: What suffix to use on installed man pages

```

case "$man1dir" in
')
man1ext='0'
;;
*)
rp="What suffix should be used for the main $spackage man pages?"
case "$man1ext" in
") case "$man1dir" in
*1) dflt=1 ;;
*1p) dflt=1p ;;
*1pm) dflt=1pm ;;
*l) dflt=l;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;

```

```

*C) dflt=C;;
*L) dflt=L;;
*L1)
dflt=L1;;
*) dflt=1;;
esac
;;
*) dflt="$man1ext";;
esac
./myread
man1ext="$ans"
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/man1dir.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprotobyname\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getprotobyname\_r getprotobyname\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getprotobyname\_r:

?S: This variable conditionally defines the HAS\_GETPROTOBYNAME\_R symbol,

?S: which indicates to the C program that the getprotobyname\_r()

?S: routine is available.

?S:.

?S:getprotobyname\_r\_proto:

?S: This variable encodes the prototype of getprotobyname\_r.

?S: It is zero if d\_getprotobyname\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getprotobyname\_r

?S: is defined.

?S:.

?C:HAS\_GETPROTOBYNAME\_R:

?C: This symbol, if defined, indicates that the getprotobyname\_r routine

?C: is available to getprotobyname re-entrantly.

?C:.

?C:GETPROTOBYNAME\_R\_PROTO:

?C: This symbol encodes the prototype of getprotobyname\_r.

```

?C: It is zero if d_getprotobyname_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotobyname_r
?C: is defined.
?C:.
?H:#$d_getprotobyname_r HAS_GETPROTOBYNAME_R /**/
?H:#define GETPROTOBYNAME_R_PROTO $getprotobyname_r_proto /**/
?H:.
?T:try hdrs d_getprotobyname_r_proto
: see if getprotobyname_r exists
set getprotobyname_r d_getprotobyname_r
eval $inlibc
case "$d_getprotobyname_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getprotobyname_r_proto:$usethreads" in
":define") d_getprotobyname_r_proto=define
set d_getprotobyname_r_proto getprotobyname_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getprotobyname_r_proto" in
define)
case "$getprotobyname_r_proto" in
"|0) try='int getprotobyname_r(const char*, struct
protoent*, char*, size_t, struct protoent**);'
./protochk "$extern_C $try" $hdrs && getprotobyname_r_proto=I_CSBWR ;;
esac
case "$getprotobyname_r_proto" in
"|0) try='struct protoent* getprotobyname_r(const char*, struct protoent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getprotobyname_r_proto=S_CSBI ;;
esac
case "$getprotobyname_r_proto" in
"|0) try='int getprotobyname_r(const char*, struct protoent*, struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && getprotobyname_r_proto=I_CSD ;;
esac
case "$getprotobyname_r_proto" in
"|0) d_getprotobyname_r=undef
getprotobyname_r_proto=0
echo "Disabling getprotobyname_r, cannot determine prototype." >&4 ;;
*) case "$getprotobyname_r_proto" in
REENTRANT_PROTO*) ;;
*) getprotobyname_r_proto="REENTRANT_PROTO_$getprotobyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getprotobyname_r has no prototype, not using it." >&4 ;;

```

```
esac
d_getprotobyname_r=undef
getprotobyname_r_proto=0
;;
esac
;;
*) getprotobyname_r_proto=0
;;
esac
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_getprotobyname_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: vendorhtml1dir.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999, Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?RCS: $Log: vendorhtml1dir.U,v $
```

```
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera
```

```
?RCS: Initial revision
```

```
?RCS:
```

```
?MAKE:vendorhtml1dir vendorhtml1direxp installvendorhtml1dir: html1dir Getfile \
```

```
Setprefixvar Oldconfig Prefixit test vendorprefix prefix sed
```

```
?MAKE: -pick add $@ %<
```

```
?Y:TOP
```

```
?S:vendorhtml1dir:
```

```
?S: This variable contains the name of the directory for html
```

```
?S: pages. It may have a ~ on the front.
```

```
?S: The standard distribution will put nothing in this
directory.
```

```
?S: Vendors who distribute perl may wish to place their own
```

```
?S: html pages in this directory with
```

```
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor
```

```
?S: or equivalent. See INSTALL for details.
```

```
?S:.
```

```
?S:vendorhtml1direxp:
```

```
?S: This variable is the ~name expanded version of vendorhtml1dir, so that you
```

```
?S: may use it directly in Makefiles or shell scripts.
```

```
?S:.
```

```

?D:installvendorhtml1dir="
?S:installvendorhtml1dir:
?S: This variable is really the same as vendorhtml1direxp but may differ on
?S: those systems using AFS. For extra portability, only this variable
?S: should be used in makefiles.
?S:.
?LINT:change prefixvar
?LINT:set installvendorhtml1dir
: Set the vendorhtml1dir variables
case "$vendorprefix" in
") vendorhtml1dir="
vendorhtml1direxp="
;;
*) : determine where vendor-supplied html pages go.
: There is no standard location, so try to copy the previously-selected
: directory structure for the core html pages.
: XXX Better default suggestions would be welcome.
case "$vendorhtml1dir"
in
") dflt=`echo "$html1dir" | $sed "s#^$prefix#$vendorprefix#"` ;;
*) dflt=$vendorhtml1dir ;;
esac
case "$dflt" in
"|' ) dflt=none ;;
esac
fn=dn+~
rp='Pathname for the vendor-supplied html pages?'
./getfile
vendorhtml1dir="$ans"
vendorhtml1direxp="$ansexp"
;;
esac
: Use ' ' for none so value is preserved next time through Configure
$test X"$vendorhtml1dir" = "X" && vendorhtml1dir=' '
prefixvar=vendorhtml1dir
./installprefix

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/installdirs/vendorhtml1dir.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: defeditor.U 1 2006-08-24 12:32:52Z rmanfredi $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic Licence,

```

```

?RCS: as specified in the README file that comes with the distribution.

```



?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: defeditor.U,v \$

?RCS: Revision 3.0.1.1 1995/01/11 15:30:16 ram

?RCS: patch45: can now use the 'vi' variable since path stripping is deferred

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE: defeditor: Getfile Oldconfig Loc vi

?MAKE: -pick add \$@ %<

?S: defeditor:

?S: This variable contains the eventual value of the DEFEDITOR symbol,

?S: which contains the name of the default editor.

?S:.

?C: DEFEDITOR:

?C: This

symbol contains the full pathname of the default editor.

?C:.

?H: #define DEFEDITOR "\$defeditor" /\*\*/

?H:.

: determine default editor

echo " "

case "\$defeditor" in

)

case "\$vi" in

\*) dflt="\$vi";;

\*) dflt=/usr/ucb/vi;;

esac

::

\*) dflt="\$defeditor"

::

esac

fn=f/

rp="What is the default editor on your system?"

./getfile

defeditor="\$ans"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/defeditor.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_drem.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: d_drem.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:12:14 ram
?RCS: patch36: created by ADO
?RCS:
?MAKE:d_drem: Inlibc
?MAKE:-pick add $@ %<
?S:d_drem:
?S: This variable conditionally defines the HAS_DREM symbol, which
?S: indicates to the C program that the drem() routine is available.
?S:.
?C:HAS_DREM :
?C: This symbol, if defined, indicates that the drem routine is
?C: available.
    This routine is roughly the same as fmod, i.e. it
?C: computes the remainder  $r=x-n*y$ , where  $n=\text{rint}(x/y)$ , whereas fmod
?C: uses  $n=\text{trunc}(x/y)$ .
?C:.
?H:#$d_drem HAS_DREM /**/
?H:.
?LINT:set d_drem
: see if drem exists
set drem d_drem
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_drem.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_getcwd: Inlibc
?MAKE:-pick add $@ %<
?S:d_getcwd:

```

?S: This variable conditionally defines the HAS\_GETCWD symbol, which  
?S: indicates to the C program that the getcwd() routine is available  
?S: to get the current working directory.  
?S:.  
?C:HAS\_GETCWD :  
?C: This symbol, if defined, indicates that the getcwd routine is  
?C: available to get the current working directory.  
?C:.  
?H:#\$d\_getcwd HAS\_GETCWD /\*\*/  
?H:.  
?LINT:set d\_getcwd  
: see if getcwd exists  
set getcwd d\_getcwd  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_getcwd.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Chk\_MANI.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Chk\_MANI.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 14:57:25 ram  
?RCS: patch61: added support for src.U  
?RCS:  
?RCS: Revision 3.0.1.1 1994/10/31 09:33:14 ram  
?RCS: patch44: now lists Begin instead of Myinit in its dependencies  
?RCS: patch44: leading comment now explains how this unit is included  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:04:45 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit checks the package by making sure  
every file listed in MANIFEST  
?X: is present. It is systematically "included" via the Finish unit (which  
?X: is always present in every Configure script), although it may result in  
?X: an empty inclusion when no MANIFEST is present.  
?X:

```

?MAKE:Chk_MANI: Begin c n rsrc
?MAKE: -pick wipe $@ %<
?T:filelist ans tmppwd
?X: This check happens at metaconfig-time, so it's ok to hard-code the path.
@if {test -f ../MANIFEST}
: Now test for existence of everything in MANIFEST
echo " "
if test -f "$rsrc/MANIFEST"; then
echo "First let's make sure your kit is complete. Checking..." >&4
?X:
?X: Files spelled uppercased and beginning with PACK are produced by the
?X: shell archive builder and may be removed by the user. Usually, they are
?X: not listed in the MANIFEST file, but you never know...
?X:
?X: "split -l" is the new way of running a split, but we also try the older way
?X:
awk '$1 !~/PACK[A-Z]+/ {print $1}' "$rsrc/MANIFEST" | \
(split -l 50 2>/dev/null || split -50)
rm -f missing
tmppwd=`pwd`
for
filelist in x??: do
(cd "$rsrc"; ls `cat "$tmppwd/$filelist"` \
>/dev/null 2>>"$tmppwd/missing")
done
if test -s missing; then
cat missing >&4
cat >&4 <<'EOM'

```

THIS PACKAGE SEEMS TO BE INCOMPLETE.

You have the option of continuing the configuration process, despite the distinct possibility that your kit is damaged, by typing 'y'es. If you do, don't blame me if something goes wrong. I advise you to type 'n'o and contact the author (<MAINTLOC>).

EOM

```

?X: Can't use $echo at this early stage
echo $n "Continue? [n] $c" >&4
read ans
case "$ans" in
y*)
echo "Continuing..." >&4
rm -f missing
;;
*)
?X:
?X: Use kill and not exit, so that the trap gets executed to clean up

```

```

?X:
  echo "ABORTING..." >&4
  kill $$
  ;;
esac
else
  echo "Looks good..."
fi
else
  echo "There is no MANIFEST file. I hope your kit is complete !"
fi
rm -f missing x??

@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Chk_MANI.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_speedopt.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_speedopt.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:15:51 ram
?RCS: patch36: call ./Cpplib explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:27 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_speedopt: Myread Cpplib Oldconfig cat models Setvar
?MAKE: -pick add $@ %<
?S:d_speedopt:
?S: This variable conditionally defines the SPEED_OVER_MEM symbol, which
?S: indicates to the C program that it can
  burn memory in order to save
?S: CPU time.
?S:.
?C:SPEED_OVER_MEM (SPEEDOVERMEM):
?C: This symbol, if defined, indicates that the program can use more
?C: memory in order to reduce CPU time. The symbol doesn't say whether

```

?C: we are more interested in saving text space or data space.

?C:.

?H:#\$d\_speedopt SPEED\_OVER\_MEM /\*\*/

?H:.

?LINT:set d\_speedopt

: do we want speed at the expense of memory

\$cat <<'EOM'

I can try to optimize this package for either speed or memory. If you have limited address space you may wish to optimize for memory. Otherwise you should probably optimize for speed.

EOM

```
case "$d_speedopt" in
") if ./Cpplib $smallmach; then
case "$models" in
*large*|*huge*) dflt=speed;;
*) dflt=memory;;
esac
else
dflt=speed
fi
;;
*define*) dflt=speed;;
*) dflt=memory;;
esac
rp="What to optimize for?"
./myread
case "$ans" in
mem*) val="$undef";;
*) val="$define";;
esac
set d_speedopt
eval $setvar
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_speedopt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getnetent\_r.U,v ORCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

```

?MAKE:d_getnetent_r getnetent_r_proto: Inlibc Protochk Hasproto i_systypes \
  usethreads i_netdb extern_C
?MAKE: -pick add $@ %<
?S:d_getnetent_r:
?S: This variable conditionally defines the HAS_GETNETENT_R symbol,
?S: which indicates to the C program that the getnetent_r()
?S: routine is available.
?S:.
?S:getnetent_r_proto:
?S: This variable encodes the prototype of getnetent_r.
?S: It is zero if d_getnetent_r is undef, and one of the
?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getnetent_r
?S: is defined.
?S:.
?C:HAS_GETNETENT_R:
?C: This symbol, if defined, indicates that the getnetent_r routine
?C: is
  available to getnetent re-entrantly.
?C:.
?C:GETNETENT_R_PROTO:
?C: This symbol encodes the prototype of getnetent_r.
?C: It is zero if d_getnetent_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getnetent_r
?C: is defined.
?C:.
?H:#$d_getnetent_r HAS_GETNETENT_R /**/
?H:#define GETNETENT_R_PROTO $getnetent_r_proto /**/
?H:.
?T:try hdrs d_getnetent_r_proto
: see if getnetent_r exists
set getnetent_r d_getnetent_r
eval $inlibc
case "$d_getnetent_r" in
"$define")
  hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
  case "$d_getnetent_r_proto:$usethreads" in
  ":define") d_getnetent_r_proto=define
    set d_getnetent_r_proto getnetent_r $hdrs
    eval $hasproto ;;
  *) ;;
  esac
  case "$d_getnetent_r_proto" in
  define)
  case "$getnetent_r_proto" in
  "|0) try='int getnetent_r(struct netent*, char*, size_t, struct netent**, int*);'
  ./protochk "$extern_C $try" $hdrs && getnetent_r_proto=I_SBWRE ;;
  esac
  case "$getnetent_r_proto" in

```

```

"|0) try='int getnetent_r(struct
netent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && getnetent_r_proto=I_SBIE ;;
esac
case "$getnetent_r_proto" in
"|0) try='struct netent* getnetent_r(struct netent*, char*, int, int*);'
./protochk "$extern_C $try" $hdrs && getnetent_r_proto=S_SBIE ;;
esac
case "$getnetent_r_proto" in
"|0) try='struct netent* getnetent_r(struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetent_r_proto=S_SBI ;;
esac
case "$getnetent_r_proto" in
"|0) try='int getnetent_r(struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetent_r_proto=I_SBI ;;
esac
case "$getnetent_r_proto" in
"|0) try='int getnetent_r(struct netent*, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && getnetent_r_proto=I_SD ;;
esac
case "$getnetent_r_proto" in
"|0) d_getnetent_r=undef
getnetent_r_proto=0
echo "Disabling getnetent_r, cannot determine prototype." >&4 ;;
*) case "$getnetent_r_proto" in
REENTRANT_PROTO*) ;;
*) getnetent_r_proto="REENTRANT_PROTO_${getnetent_r_proto}"
;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getnetent_r has no prototype, not using it." >&4 ;;
esac
d_getnetent_r=undef
getnetent_r_proto=0
;;
esac
;;
*) getnetent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/threads/d_getnetent_r.U

```



No license file was found, but licenses were detected in source scan.

```
/*
* $Id: scandir.C,v 3.0.1.1 1994/01/24 13:58:45 ram Exp ram $
*
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
*
* You may redistribute only under the terms of the Artistic Licence,
* as specified in the README file that comes with the distribution.
* You may reuse parts of this distribution only within the terms of
* that same Artistic Licence; a copy of which may be found at the root
* of the source tree for dist 4.0.
*
* $Log: scandir.C,v $
* Revision 3.0.1.1 1994/01/24 13:58:45 ram
* patch16: created
*
*/
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/scandir.C
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Loc.U 14 2006-08-28 16:51:14Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Loc.U,v $
?RCS: Revision 3.0.1.10 1997/02/28 15:04:16 ram
?RCS: patch61: allow users to specify paths on the command line
?RCS: patch61: will now substitute cp for ln if not supported
?RCS:
?RCS: Revision 3.0.1.9 1995/09/25 09:11:24 ram
?RCS: patch59: commented the purpose of the #un-def directive
?RCS: patch59: abort Configure run when mandatory command is missing
?RCS:
?RCS: Revision 3.0.1.8 1995/07/25 13:40:40 ram
?RCS: patch56: now knows about
OS/2 platforms
?RCS:
?RCS: Revision 3.0.1.7 1995/01/11 15:13:37 ram
```

?RCS: patch45: protected "sh -c" within backquotes for Linux and SGI

?RCS: patch45: added path lookup for the 'comm' program

?RCS:

?RCS: Revision 3.0.1.6 1994/10/29 15:56:14 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS: patch36: be careful and guard against wildcard searching (ADO)

?RCS:

?RCS: Revision 3.0.1.5 1994/06/20 06:54:55 ram

?RCS: patch30: now locates find

?RCS:

?RCS: Revision 3.0.1.4 1994/05/13 15:18:15 ram

?RCS: patch27: added byacc to the trylist (ADO)

?RCS: patch27: lint lines reformatted (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/01/24 14:01:44 ram

?RCS: patch16: added metalint hint on changed PATH variable

?RCS:

?RCS: Revision 3.0.1.2 1993/12/15 08:16:52 ram

?RCS: patch15: now set \_test variable when test is built-in

?RCS: patch15: fixed rare cases where echo is not needed

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 15:47:13 ram

?RCS: patch10: test program not always  
in /bin/test (WAD)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:05 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a shell script "loc" which can be used to find out  
?X: where in a list of directories something is. It then uses loc to  
?X: determine the location of commonly used programs. It leaves loc sitting  
?X: around for other Configure units to use, but arranges for its demise  
?X: at the end of Configure.

?X:

?X: To add a new program to find, add it both to the ?MAKE: line and to either  
?X: the loclist or trylist variable.

?X:

?X: I put startsh at the end of the dependency list, in order to avoid the  
?X: loading of the spitshell unit before the instructions.

?X:

?MAKE:Loc awk ar bash bison byacc cat chgrp chmod chown \  
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \  
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \  
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \  
shar sleep smail sort  
submit tail tar tbl tee test touch tr troff \  
uname uniq uuname vi zcat zip: eunicefix n c startsh Instruct sysroot

```

?MAKE: -pick weed $@ %<
?LINT:describe awk ar bash bison byacc cat chgrp chmod chown \
comm compress cp cpio cpp csh date echo egrep emacs expr find flex \
gmake gzip grep inews ksh less line lint ln lp lpr ls mail mailx \
make mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \
shar sleep smail sort submit tail tar tbl tee test touch tr troff \
uname uniq uuname vi zcat zip
?V::pth loclist trylist
?F:./loc test_h
?T:thisthing thing xxx dir file say _test DJGPP
?LINT:change PATH _egrep _ln _make _less
?LINT:extern _exe
: find out where common programs are
echo " "
echo "Locating common programs..." >&4
cat <<EOOSC >loc
$startsh
case $# in
0) exit 1;;
esac
thing=\$1
shift
dflt=\$1
shift
for dir in \$*; do
case "\$thing" in
.)
if test -d \$dir/\$thing; then
echo \$dir
exit 0
fi
;;
*)
?X: Be careful in case thing includes wildcards that might expand
to multiple
?X: files. Choose the last one. This happens when searching for shared
?X: libraries with version numbers. How to choose which one we want is
?X: probably an insoluble problem, in general.
?X: Some folks leave things like libc.so.orig around w/o read
?X: permission. A -r test would handle that, but since ./loc is
?X: also used to find executables (which are installed w/o read
?X: permission on SCO ODT 3.0, we can't include the -r test.
?X: If you need to use an _exe that is different from .exe
?X: you need to set it in Head.U.
for thisthing in \$dir/\$thing; do
: just loop through to pick last item
done
if test -f \$thisthing; then

```

```

echo \$thisthing
exit 0
elif test "X$_exe" != X -a -f \$thisthing$_exe; then
echo \$thisthing
exit 0
elif test -f \$dir/\$thing.exe; then
if test -n "$DJGPP"; then
echo \$dir/\$thing.exe
elif test "$eunicefix" != ":"; then
: on Eunice apparently
echo \$dir/\$thing
fi
exit 0
fi
;;
esac
done
echo \$dflt
exit
1
EOSC
chmod +x loc
$eunicefix loc
loclist="
?awk:awk
?cat:cat
?chgrp:chgrp
?chmod:chmod
?chown:chown
?comm:comm
?cp:cp
?echo:echo
?expr:expr
?find:find
?grep:grep
?ls:ls
?mkdir:mkdir
?mv:mv
?rm:rm
?sed:sed
?sleep:sleep
?sort:sort
?tail:tail
?touch:touch
?tr:tr
?uniq:uniq
"
trylist="

```

?Mcc:Mcc  
?ar:ar  
?bash:bash  
?bison:bison  
?byacc:byacc  
?compress:compress  
?cpio:cpio  
?cpp:cpp  
?csh:csh  
?date:date  
?egrep:egrep  
?emacs:emacs  
?flex:flex  
?gmake:gmake  
?gzip:gzip  
?inews:inews  
?ksh:ksh  
?less:less  
?line:line  
?lint:lint  
?ln:ln  
?lp:lp  
?lpr:lpr  
?mail:mail  
?mailx:mailx  
?make:make  
?more:more  
?nm:nm  
?nroff:nroff  
?perl:perl  
?pg:pg  
?pmake:pmake  
?pr:pr  
?rmail:rmail  
?sendmail:sendmail  
?shar:shar  
?smail:smail  
?submit:submit  
?tar:tar  
?tbl:tbl  
?tee:tee  
?test:test  
?troff:troff  
?uname:uname  
?uuname:uuname  
?vi:vi  
?zcat:zcat  
?zip:zip

```

"
?LINT:set awk ar bash bison byacc cat chgrp chmod chown \
comm compress cp cpio cpp csh date echo emacs expr find flex \
gmake gzip grep inews ksh line lint lp lpr ls mail mailx
\
mkdir more mv nm nroff perl pg pmake pr rm rmail sed sendmail \
shar sleep smail sort submit tail tar tbl tee touch tr troff \
uname uniq uuname vi zcat zip
pth=`echo $PATH | sed -e "s/$p_/ /g"`
pth="$pth $sysroot/lib $sysroot/usr/lib"
for file in $loclist; do
?X:
?X: Allow them to -Dmake=pmake on the command line for instance...
?X: If the file is not fully qualified, as in -Dmake=pmake, then we
?X: look the for the specified command (pmake here). If they say
?X: -Dmake=/sbin/make for instance, then we make sure the file
?X: exists, or we die...
?X:
eval xxx=\\$file
case "$xxx" in
/*|?:[\\]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
*) xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?X: Under OS/2, we have PC-like paths
?:[\\]*)
echo $file is in $xxx.
;;
*)
echo
"I don't know where '$file' is, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac

```

```

done
echo " "
echo "Don't worry if any of the following aren't found..."
say=offhand
for file in $trylist; do
?X: Allow them to -Dmake=pmake on the command line for instance (see above)
eval xxx=\$$file
case "$xxx" in
/*|?:[\\]*)
if test -f "$xxx"; then
: ok
else
echo "WARNING: no $xxx -- ignoring your setting for $file." >&4
xxx=`./loc $file $file $pth`
fi
;;
") xxx=`./loc $file $file $pth`;
*) xxx=`./loc $xxx $xxx $pth`;
esac
eval $file=$xxx$_exe
eval _$file=$xxx
case "$xxx" in
/*)
echo $file is in $xxx.
;;
?:[\\]*)
echo $file is in $xxx.
;;
*)
echo "I don't see $file out there, $say."
say=either
;;
esac
done
case "$grep" in
egrep)
echo "Substituting grep for egrep."
egrep=$grep
_egrep=$grep
;;
esac
@if less
case "$less"
in
") ;;
*) if $less -R </dev/null >/dev/null 2>&1; then
echo "Substituting less -R for less."

```

```

    less="$less -R"
    _less=$less
fi
;;
esac
@end
@if ln
case "$ln" in
ln)
echo "Substituting cp for ln."
ln=$cp
_ln=$cp
;;
esac
@end
@if make || gmake
case "$make" in
make)
case "$gmake" in
gmake)
echo "I can't find make or gmake, and my life depends on it." >&4
echo "Go find a public domain implementation or fix your PATH setting!" >&4
exit 1
;;
esac
;;
esac
case "$gmake" in
gmake) ;;
*) # We can't have osname yet.
if test -f "/system/gnu_library/bin/ar.pm"; then # Stratus VOS
# Assume that gmake, if found, is definitely GNU make
# and prefer it over the system make.
echo "Substituting gmake for make."
make=$gmake
_make=$gmake
fi
;;
esac
@end
case "$test" in
test)
echo "Hopefully test is built into your sh."
;;
*)
if `sh -c "PATH= test true" >/dev/null 2>&1`; then
echo "Using the test built into your sh."
?X:

```



?X: We need to set both test and \_test, since Oldconfig.U will use the \_test value to systematically restore computed paths, which may be wrong if we choose to load an old config.sh generated on another platform.

?X:

```
test=test
_test=test
fi
;;
esac
?LINT:change n c
case "$echo" in
echo)
```

```
echo "Hopefully echo is built into your sh."
```

```
;;
```

?X: For those rare cases where we don't need \$echo...

```
) ;;
```

```
*)
```

```
echo " "
```

```
echo "Checking compatibility between $echo and builtin echo (if any)..." >&4
```

```
$echo $n "hi there$c" >foo1
```

```
echo $n "hi there$c" >foo2
```

```
if cmp foo1 foo2 >/dev/null 2>&1; then
```

```
echo "They are compatible. In fact, they may be identical."
```

```
else
```

```
case "$n" in
```

```
'-n') n=" c='\c';;
```

```
*) n='-n' c="";;
```

```
esac
```

```
cat <<FOO
```

They are not compatible! You are probably running ksh on a non-USG system.

I'll have to use \$echo instead of the builtin, since Bourne shell doesn't have echo built in and we may have to run some Bourne shell scripts. That means I'll have to use '\$n\$c' to suppress newlines now.

Life is ridiculous.

```
FOO
```

```
$echo $n "The star should be here-->$c"
```

```
$echo "*"
```

```
fi
```

```
$rm -f foo1 foo2
```

```
;;
```

```
esac
```

?X: The next part is irrelevant to the real process

```
# This question was auctioned at YAPC::Europe-2007 in Vienna
```

```
# I never promised you could answer it. I only auctioned the question.
```

```
cat <<FOO
```

The following message is sponsored by

Dresden.pm<--The stars should be here.

Dear Perl user, system administrator or package maintainer, the Perl community sends greetings to you. Do you (emblematical) greet back [Y/n]? n

FOO

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Loc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getsent.U,v 3.0 1993/08/18 12:06:09 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_getsent.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:09 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getsent: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getsent:

?S: This variable conditionally defines HAS\_GETSERVENT if getservernt() is

?S: available to look up network services in some data base or another.

?S:.

?C:HAS\_GETSERVENT:

?C: This symbol, if defined, indicates that the getservernt() routine is

?C: available to look up network services in some

data base or another.

?C:.

?H:#\$d\_getsent HAS\_GETSERVENT /\*\*/

?H:.

?LINT:set d\_getsent

: see if getservernt exists

set getservernt d\_getsent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getsent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: nblock\_io.U,v 3.0.1.2 1997/02/28 16:17:14 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: nblock\_io.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:17:14 ram

?RCS: patch61: simplify here document for shells that can't handle them well

?RCS: patch61: force use of "startsh" at the head of the generated script

?RCS: patch61: added new files to the ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.1 1995/07/25 14:13:22 ram

?RCS: patch56: created

?RCS:

?X:

?X: Simplify here document for shells that can't handle them well.

?X: (Problem reported on FreeBSD;

it's unclear if this helps.) --AD

?X:

?MAKE:o\_nonblock eagain rd\_nodata d\_eofnblk: cat rm\_try Compile run \

d\_open3 h\_sysfile h\_fcntl signal\_t hint Oldconfig Setvar \

startsh i\_unistd i\_fcntl i\_stdlib d\_fork d\_pipe d\_alarm

?MAKE: -pick add \$@ %<

?S:o\_nonblock:

?S: This variable bears the symbol value to be used during open() or fcntl()

?S: to turn on non-blocking I/O for a file descriptor. If you wish to switch

?S: between blocking and non-blocking, you may try ioctl(FIOSNBIO) instead,

?S: but that is only supported by some devices.

?S:.

?S:eagain:

?S: This variable bears the symbolic errno code set by read() when no

?S: data is present on the file and non-blocking I/O was enabled (otherwise,

?S: read() blocks naturally).

?S:.

?S:rd\_nodata:

?S: This variable holds the return code from read() when no data is

?S: present. It should be -1, but some systems return 0 when O\_NDELAY is

?S: used, which is a shame because you cannot make the difference between

?S: no data and an EOF.. Sigh!

?S:.

?S:d\_eofnblk:

?S: This  
variable conditionally defines EOF\_NONBLOCK if EOF can be seen  
?S: when reading from a non-blocking I/O source.

?S:.

?C:VAL\_O\_NONBLOCK:

?C: This symbol is to be used during open() or fcntl(F\_SETFL) to turn on  
?C: non-blocking I/O for the file descriptor. Note that there is no way  
?C: back, i.e. you cannot turn it blocking again this way. If you wish to  
?C: alternatively switch between blocking and non-blocking, use the  
?C: ioctl(FIOSNBIO) call instead, but that is not supported by all devices.

?C:.

?C:VAL\_EAGAIN:

?C: This symbol holds the errno error code set by read() when no data was  
?C: present on the non-blocking file descriptor.

?C:.

?C:RD\_NODATA:

?C: This symbol holds the return code from read() when no data is present  
?C: on the non-blocking file descriptor. Be careful! If EOF\_NONBLOCK is  
?C: not defined, then you can't distinguish between no data and EOF by  
?C: issuing a read(). You'll have to find another way to tell for sure!

?C:.

?C:EOF\_NONBLOCK:

?C: This  
symbol, if defined, indicates to the C program that a read() on  
?C: a non-blocking file descriptor will return 0 on EOF, and not the value  
?C: held in RD\_NODATA (-1 usually, in that case!).

?C:.

?H:#define VAL\_O\_NONBLOCK \$o\_nonblock

?H:#define VAL\_EAGAIN \$again

?H:#define RD\_NODATA \$rd\_nodata

?H:#\$d\_eofnblk EOF\_NONBLOCK

?H:.

?T:status

?F:!try.out !try.ret !try.err !try !mtry

?LINT:use d\_open3

: check for non-blocking I/O stuff

case "\$h\_sysfile" in

true) echo "#include <sys/file.h>" > head.c;;

\*)

case "\$h\_fcntl" in

true) echo "#include <fcntl.h>" > head.c;;

\*) echo "#include <sys/fcntl.h>" > head.c;;

esac

;;

esac

echo " "

```

echo "Figuring out the flag used by open() for non-blocking I/O..." >&4
case "$o_nonblock" in
")
$cat head.c > try.c
$cat >>try.c <<EOCP
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#$i_fcntl I_FCNTL
#ifdef I_FCNTL
#include <fcntl.h>
#endif
int main() {
#ifdef O_NONBLOCK
printf("O_NONBLOCK\n");
exit(0);
#endif
#ifdef
O_NDELAY
printf("O_NDELAY\n");
exit(0);
#endif
?X: Stevens "Advanced Programming in the UNIX Environment" page 364 mentions
?X: the FNDELAY symbol, used in 4.3BSD (source: Paul Marquess).
#ifdef FNDELAY
printf("FNDELAY\n");
exit(0);
#endif
exit(0);
}
EOCP
set try
if eval $compile_ok; then
o_nonblock=`$run ./try`
case "$o_nonblock" in
") echo "I can't figure it out, assuming O_NONBLOCK will do.";;
*) echo "Seems like we can use $o_nonblock.";;
esac
else
echo "(I can't compile the test program; pray O_NONBLOCK is right!)"
fi
;;
*) echo "Using $hint value $o_nonblock.";;
esac
$rm_try

```

```

echo " "
echo "Let's see what value errno gets from read() on a $o_nonblock file..." >&4
case "$eagain" in
")
case "$d_fork:$d_pipe:$d_alarm" in
define:define:define)
$cat head.c > try.c
$cat >>try.c <<EOCP
#include <errno.h>
#include <sys/types.h>
#include <signal.h>
#include <stdio.h>
#$i_stdlib I_STDLIB
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#$i_fcntl
I_FCNTL
#ifdef I_FCNTL
#include <fcntl.h>
#endif
#define MY_O_NONBLOCK $o_nonblock
#ifdef errno /* XXX need better Configure test */
extern int errno;
#endif
#$i_unistd I_UNISTD
#ifdef I_UNISTD
#include <unistd.h>
#endif
#include <string.h>
$signal_t blech(int x) { exit(3); }
EOCP
$cat >> try.c <<'EOCP'
int main()
{
int pd[2];
int pu[2];
char buf[1];
char string[100];
int ret;

ret = pipe(pd); /* Down: child -> parent */
if (ret != 0)
exit(3);
ret = pipe(pu); /* Up: parent -> child */
if (ret != 0)
exit(3);
if (0 != fork()) {

```

```

close(pd[1]); /* Parent reads from pd[0] */
close(pu[0]); /* Parent writes (blocking) to pu[1] */
#ifdef F_SETFL
if (-1 == fcntl(pd[0], F_SETFL, MY_O_NONBLOCK))
    exit(1);
#else
    exit(4);
#endif
signal(SIGALRM, blech);
alarm(5);
if ((ret = read(pd[0], buf, 1)) > 0) /* Nothing to read! */
    exit(2);
sprintf(string, "%d\n", ret);
ret = write(2, string, strlen(string));
if (ret != strlen(string))
    exit(3);
alarm(0);
#ifdef EAGAIN
EAGAIN
if (errno == EAGAIN) {
    printf("EAGAIN\n");
    goto ok;
}
#endif
#ifdef EWOULDBLOCK
if (errno == EWOULDBLOCK)
    printf("EWOULDBLOCK\n");
#endif
ok:
ret = write(pu[1], buf, 1); /* Unblocks child, tell it to close our pipe */
if (ret != 1)
    exit(3);
sleep(2); /* Give it time to close our pipe */
alarm(5);
ret = read(pd[0], buf, 1); /* Should read EOF */
alarm(0);
sprintf(string, "%d\n", ret);
ret = write(4, string, strlen(string));
if (ret != strlen(string))
    exit(3);
exit(0);
}

close(pd[0]); /* We write to pd[1] */
close(pu[1]); /* We read from pu[0] */
ret = read(pu[0], buf, 1); /* Wait for parent to signal us we may continue */
if (ret != 1)
    exit(3);

```

```

close(pd[1]); /* Pipe pd is now fully closed! */
exit(0); /* Bye bye, thank you for playing! */
}
EOCP
set try
if eval $compile_ok; then
?X: Use script to avoid the possible 'alarm call' message
echo "$startsh" >mtry
echo "$run ./try >try.out 2>try.ret 4>try.err
|| exit 4" >>mtry
chmod +x mtry
$run ./mtry >/dev/null 2>&1
case $? in
0) eagain=`$cat try.out`;
1) echo "Could not perform non-blocking setting!";;
2) echo "I did a successful read() for something that was not there!";;
3) echo "Hmm... non-blocking I/O does not seem to be working!";;
4) echo "Could not find F_SETFL!";;
*) echo "Something terribly wrong happened during testing.";;
esac
rd_nodata=`$cat try.ret`
echo "A read() system call with no data present returns $rd_nodata."
case "$rd_nodata" in
0|-1) ;;
*)
echo "(That's peculiar, fixing that to be -1.)"
rd_nodata=-1
;;
esac
case "$eagain" in
")
echo "Forcing errno EAGAIN on read() with no data available."
eagain=EAGAIN
;;
*)
echo "Your read() sets errno to $eagain when no data is available."
;;
esac
status=`$cat try.err`
case "$status" in
0) echo "And it correctly returns 0 to signal EOF.";;
-1) echo "But it also returns -1 to signal EOF, so be careful!";;
*)
echo "However, your read() returns '$status' on EOF??";;
esac
val="$define"
if test "$status" = "$rd_nodata"; then
echo "WARNING: you can't distinguish between EOF and no data!"

```



```

    val="$undef"
fi
else
    echo "I can't compile the test program--assuming errno EAGAIN will do."
    eagain=EAGAIN
fi
;;
*) echo "Can't figure out how to test this--assuming errno EAGAIN will do."
    eagain=EAGAIN
    val="$define"
    ;;
esac
set d_eofnblk
eval $setvar
;;
*)
    echo "Using $hint value $eagain."
    echo "Your read() returns $rd_nodata when no data is present."
    case "$d_eofnblk" in
"$define") echo "And you can see EOF because read() returns 0.";;
"$undef") echo "But you can't see EOF status from read() returned value.";;
*)
?X: Should not happen, but if it does, assume the worst!
    echo "(Assuming you can't see EOF status from read anyway.)"
    d_eofnblk=$undef
    ;;
esac
;;
esac
$rm_try head.c mtry

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/nblock_io.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setpgid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```
?RCS: as specified in the README file that comes with the distribution.
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```
?RCS: You may reuse parts of this distribution only within the terms of
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_setpgid.U,v $
```

```
?RCS: Revision 3.0.1.2 1997/02/28 15:41:49 ram
```

?RCS: patch61: reworded symbol comments  
?RCS:  
?RCS: Revision 3.0.1.1 1994/01/24 14:06:40 ram  
?RCS: patch16: created  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:56 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setpgid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setpgid:  
?S: This variable conditionally defines the HAS\_SETPGID symbol if the  
?S: setpgid(pid, gpid) function is  
available to set process group ID.  
?S:.  
?C:HAS\_SETPGID:  
?C: This symbol, if defined, indicates that the setpgid(pid, gpid)  
?C: routine is available to set process group ID.  
?C:.  
?H:#\$d\_setpgid HAS\_SETPGID /\*\*/  
?H:.  
?LINT:set d\_setpgid  
: see if setpgid exists  
set setpgid d\_setpgid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setpgid.U

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?RCS: \$Id: libnm.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: libnm.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 16:08:26 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:01 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:

```

?MAKE:libnm: test Loc libpth _a
?MAKE: -pick add $@ %<
?S:libnm:
?S: This variable contains the argument to pass to the loader in order
?S: to get the new math library routines. If there is no new math
?S: library, it is null.
?S:.
?T:ans
?O:
    use libswanted='-lnm' instead (see libs.U).
: see if we should include -lnm
echo " "
if $test -r /usr/lib/libnm$_a || $test -r /usr/local/lib/libnm$_a ; then
    echo "New math library found." >&4
    libnm='-lnm'
else
    ans=`./loc libnm$_a x $libpth`
    case "$ans" in
    x)
        echo "No nm library found--the normal math library will have to do." >&4
        libnm=""
        ;;
    *)
        echo "New math library found in $ans." >&4
        libnm="$ans"
        ;;
    esac
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/libnm.U

```

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```

?RCS: $Id: d_sjis2jis.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_sjis2jis.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:25 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:

```

?MAKE:d\_sjis2jis: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_sjis2jis:  
?S: This variable conditionally defines the HAS\_SJIS2JIS symbol, which  
?S: indicates to the C program that the sjis2jis() routine is available  
?S: to convert SJIS to JIS.  
?S:.  
?C:HAS\_SJIS2JIS:  
?C: This symbol, if defined, indicates that the sjis2jis routine is  
?C: available  
to convert SJIS to JIS.  
?C:.  
?H:#\$d\_sjis2jis HAS\_SJIS2JIS /\*\*/  
?H:.  
?LINT:set d\_sjis2jis  
: see if sjis2jis exists  
set sjis2jis d\_sjis2jis  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sjis2jis.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: prefix.U,v \$

?RCS: Revision 3.0.1.2 1995/01/30 14:44:05 ram

?RCS: patch49: new prefixexp variable holding a fully expanded prefix

?RCS: patch49: save off previous prefix value in oldprefix if changed (WED)

?RCS: patch49: added the INSTALLPREFIX define for C programs to use (WED)

?RCS:

?RCS: Revision 3.0.1.1 1994/08/29 16:31:34 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:prefix prefixexp +oldprefix: Getfile Loc Oldconfig

cat package

?MAKE: -pick add \$@ %<

?S:prefix:

?S: This variable holds the name of the directory below which the  
?S: user will install the package. Usually, this is /usr/local, and  
?S: executables go in /usr/local/bin, library stuff in /usr/local/lib,  
?S: man pages in /usr/local/man, etc. It is only used to set defaults  
?S: for things in bin.U, mansrc.U, privlib.U, or scriptdir.U.

?S:.

?S:prefixexp:

?S: This variable holds the full absolute path of the directory below  
?S: which the user will install the package. Derived from prefix.

?S:.

?S:oldprefix:

?S: This variable is set non-null if the prefix was previously defined  
?S: and gets set to a new value. Used internally by Configure only.

?S:.

?C:INSTALLPREFIX:

?C: This symbol contains the name of the install prefix for this package.

?C:.

?H:#define INSTALLPREFIX "\$prefix" /\*\*/

?H:.

: determine root of directory hierarchy where package will be installed.

case "\$prefix" in

")

dfmt=`./loc . /usr/local /usr/local /local /opt

/usr`

::

\*)

dfmt="\$prefix"

::

esac

\$cat <<EOM

By default, \$package will be installed in \$dfmt/bin, manual  
pages under \$dfmt/man, etc..., i.e. with \$dfmt as prefix for  
all installation directories. Typically set to /usr/local, but you  
may choose /usr if you wish to install \$package among your system  
binaries. If you wish to have binaries under /bin but manual pages  
under /usr/local/man, that's ok: you will be prompted separately  
for each of the installation directories, the prefix being only used  
to set the defaults.

EOM

fn=d~

rp='Installation prefix to use?'

./getfile

oldprefix=""

case "\$prefix" in

");;

```

*)
case "$ans" in
"$prefix") ;;
*) oldprefix="$prefix";;
esac
;;
esac
prefix="$ans"
prefixexp="$ansexp"

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/prefix.U

```

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```

# $Id: errnolist.a,v 3.0 1993/08/18 12:04:35 ram Exp ram $
#
# Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
#
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# as specified in the README file that comes with the distribution.
# You may reuse parts of this distribution only within the terms of
# that same Artistic Licence; a copy of which may be found at the root
# of the source tree for dist 4.0.
#
# Original Author: Harlan Stenn <harlan@mumps.pfcs.com>
#
# $Log: errnolist.a,v $
# Revision 3.0 1993/08/18 12:04:35 ram
# Baseline for dist 3.0 netwide release.
#
#
# This is a simple-minded awk script to generate an initialization for
# sys_errnolist on systems that don't have it.
# This file now depends only on sys/errno.h error numbers under maxerr being
# in order. It will complain and die if not. NOTE: It will still produce
# a compilable output file, even with errors, so you
# must check the output.

BEGIN {
    format = "\t\"%s\", \n"
    printf("/*\n** This is a generated file. Do NOT edit it unless you really have to...\n*/\n\n")
    printf("char *sys_errnolist[] = {\n")
    maxerr = 89
}

$1=="#define" {

```

```

if(count > maxerr || substr($2,1,1) != "E")
  next # we're not interested
if($3 < count) { # this is bad
  printf("Fatal error: %s out of order at %s\n",\
  FILENAME, $2)>"/dev/tty"
  exit 1
}
# fill in the blanks
while($3 > count) {
  dummy=sprintf("EDUMMY%d",count)
  printf(format,dummy)
  count++
}
printf(format,$2)
count++
}

END {
  printf("\t0\n");\n")
}

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/errnolist.a
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_wait3.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_wait3.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:01 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_wait3: Inlibc
?MAKE: -pick add $@ %<
?S:d_wait3:
?S: This variable conditionally defines the HAS_WAIT3 symbol, which
?S: indicates to the C program that the wait3() subroutine exists.
?S:.
?C:HAS_WAIT3:
?C: This symbol, if defined, indicates that the wait3() subroutine
```

```
?C: exists.
?C:.
?H:#$d_wait3 HAS_WAIT3 /**/
?H:.
?LINT:set d_wait3
:
  see if 'wait3()' exists
set wait3 d_wait3
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_wait3.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: gidtype.U,v 3.0.1.3 1994/08/29 16:21:44 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: gidtype.U,v $
?RCS: Revision 3.0.1.3 1994/08/29 16:21:44 ram
?RCS: patch32: now uses new Typedef unit to compute type information
?RCS: patch32: removed useless usage of Setvar (for now)
?RCS:
?RCS: Revision 3.0.1.2 1994/05/13 15:21:07 ram
?RCS: patch27: added lint hint
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 15:01:51 ram
?RCS: patch23: protected gidtype setting via setvar (ADO)
?RCS: patch23: made Gid_t comment more explicit (ADO)
?RCS:
?RCS: Revision
  3.0 1993/08/18 12:08:11 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:gidtype: Myread Typedef Findhdr
?MAKE: -pick add $@ %<
?S:gidtype:
?S: This variable defines Gid_t to be something like gid_t, int,
?S: ushort, or whatever type is used to declare the return type
?S: of getgid(). Typically, it is the type of group ids in the kernel.
?S:.
```



?C:Gid\_t (GIDTYPE):

?C: This symbol holds the return type of getgid() and the type of  
?C: argument to setrgid() and related functions. Typically,  
?C: it is the type of group ids in the kernel. It can be int, ushort,  
?C: gid\_t, etc... It may be necessary to include <sys/types.h> to get  
?C: any typedef'ed information.

?C:.

?H:#define Gid\_t \$gidtype /\* Type for getgid(), etc... \*/

?H:.

?T:xxx

: see what type gids are declared as in the kernel

echo " "

echo "Looking for the type for group ids returned by getgid()."

set gid\_t gidtype xxx stdio.h sys/types.h

eval \$typedef

case "\$gidtype" in

xxx)

xxx=`./findhdr sys/user.h`

set `grep

'groups\[NGROUPS\];' "\$xxx" 2>/dev/null` unsigned short

case \$1 in

unsigned) dflt="\$1 \$2" ;;

\*) dflt="\$1" ;;

esac

;;

\*) dflt="\$gidtype";;

esac

case "\$gidtype" in

gid\_t) echo "gid\_t found." ;;

\*) rp="What is the type for group ids returned by getgid()?"

. ./myread

gidtype="\$ans"

;;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/gidtype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_cbrt.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.  
 ?RCS:  
 ?RCS: \$Log: d\_cbrt.U,v \$  
 ?RCS: Revision 3.0 1993/08/18 12:05:48 ram  
 ?RCS: Baseline for dist 3.0 netwide release.  
 ?RCS:  
 ?MAKE:d\_cbrt: Inlibc  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_cbrt:  
 ?S: This variable conditionally defines the HAS\_CBRT symbol, which  
 ?S: indicates to the C program that the cbrt() (cube root) function  
 ?S: is available.  
 ?S:.  
 ?C:HAS\_CBRT (CBRT):  
 ?C: This symbol, if defined, indicates that the cbrt() (cube root)  
 ?C: function is available.  
 ?C:.  
 ?H:#\$d\_cbrt HAS\_CBRT /\*\*/  
 ?H:.  
 ?LINT:set  
 d\_cbrt  
 : see if cbrt exists  
 set cbrt d\_cbrt  
 eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_cbrt.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endnetent\_r.U,v 0RCS:  
 ?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
 ?RCS:  
 ?RCS: You may distribute under the terms of either the GNU General Public  
 ?RCS: License or the Artistic License, as specified in the README file.  
 ?RCS:  
 ?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
 ?RCS:  
 ?MAKE:d\_endnetent\_r endnetent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_netdb extern\_C  
 ?MAKE: -pick add \$@ %<  
 ?S:d\_endnetent\_r:  
 ?S: This variable conditionally defines the HAS\_ENDNETENT\_R symbol,  
 ?S: which indicates to the C program that the endnetent\_r()  
 ?S: routine is available.  
 ?S:.  
 ?S:endnetent\_r\_proto:  
 ?S: This variable encodes the prototype of endnetent\_r.

?S: It is zero if d\_endnetent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endnetent\_r

?S: is defined.

?S:.

?C:HAS\_ENDNETENT\_R:

?C: This symbol, if defined, indicates that the endnetent\_r routine

?C: is

available to endnetent re-entrantly.

?C:.

?C:ENDNETENT\_R\_PROTO:

?C: This symbol encodes the prototype of endnetent\_r.

?C: It is zero if d\_endnetent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endnetent\_r

?C: is defined.

?C:.

?H:#\$d\_endnetent\_r HAS\_ENDNETENT\_R /\*\*/

?H:#define ENDNETENT\_R\_PROTO \$endnetent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_endnetent\_r\_proto

: see if endnetent\_r exists

set endnetent\_r d\_endnetent\_r

eval \$inlibc

case "\$d\_endnetent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_endnetent\_r\_proto:\$setthreads" in

":define") d\_endnetent\_r\_proto=define

set d\_endnetent\_r\_proto endnetent\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_endnetent\_r\_proto" in

define)

case "\$endnetent\_r\_proto" in

"|0) try='int endnetent\_r(struct netent\_data\*);'

./protochk "\$extern\_C \$try" \$hdrs && endnetent\_r\_proto=I\_D ;;

esac

case "\$endnetent\_r\_proto" in

"|0) try='void endnetent\_r(struct netent\_data\*);'

./protochk

"\$extern\_C \$try" \$hdrs && endnetent\_r\_proto=V\_D ;;

esac

case "\$endnetent\_r\_proto" in

"|0) d\_endnetent\_r=undef

endnetent\_r\_proto=0

echo "Disabling endnetent\_r, cannot determine prototype." >&4 ;;

\* ) case "\$endnetent\_r\_proto" in

REENTRANT\_PROTO\*) ;;

```

*) endnetent_r_proto="REENTRANT_PROTO_${endnetent_r_proto}";
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "endnetent_r has no prototype, not using it." >&4 ;;
esac
d_endnetent_r=undef
endnetent_r_proto=0
;;
esac
;;
*) endnetent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_endnetent_r.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_socket.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 15:46:00 ram

?RCS: patch61: replaced .a with \$\_a all over the place

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:08:04 ram

?RCS: patch16: can now safely declare private nm\_extract in dependencies

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:26 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_socket d\_oldsock d\_sockpair socketlib sockethdr: contains libc \

echo n c nm\_opt nm\_extract Inlibc Csym \_a

?MAKE: -pick add \$@ %<

?S:d\_socket:

?S: This

variable conditionally defines HAS\_SOCKET, which indicates  
?S: that the BSD socket interface is supported.  
?S:.  
?S:d\_socketpair:  
?S: This variable conditionally defines the HAS\_SOCKETPAIR symbol, which  
?S: indicates that the BSD socketpair() is supported.  
?S:.  
?S:d\_oldsock:  
?S: This variable conditionally defines the OLDSOCKET symbol, which  
?S: indicates that the BSD socket interface is based on 4.1c and not 4.2.  
?S:.  
?S:socketlib:  
?S: This variable has the names of any libraries needed for socket support.  
?S:.  
?S:sockethdr:  
?S: This variable has any cpp -I flags needed for socket support.  
?S:.  
?C:HAS\_SOCKET (SOCKET):  
?C: This symbol, if defined, indicates that the BSD socket interface is  
?C: supported.  
?C:.  
?C:HAS\_SOCKETPAIR (SOCKETPAIR):  
?C: This symbol, if defined, indicates that the BSD socketpair() call is  
?C: supported.  
?C:.  
?C:USE\_OLDSOCKET (OLDSOCKET):  
?C: This symbol, if defined, indicates that the 4.1c BSD socket interface  
?C: is supported instead of the 4.2/4.3 BSD  
socket interface. For instance,  
?C: there is no setsockopt() call.  
?C:.  
?H:#\$d\_socket HAS\_SOCKET /\*\*/  
?H:#\$d\_socketpair HAS\_SOCKETPAIR /\*\*/  
?H:#\$d\_oldsock USE\_OLDSOCKET /\*\*/  
?H:.  
?T:val  
?LINT:use libc  
?LINT:set d\_socketpair  
: see whether socket exists  
socketlib="  
sockethdr="  
echo " "  
\$echo \$n "Hmm... \$c" >&4  
if set socket val -f d\_socket; eval \$csym; \$val; then  
echo "Looks like you have Berkeley networking support." >&4  
d\_socket="\$define"  
?X: now check for advanced features  
if set setsockopt val -f; eval \$csym; \$val; then

```

d_oldsock="$undef"
else
  echo "...but it uses the old 4.1c interface, rather than 4.2" >&4
  d_oldsock="$define"
fi
else
?X: HP-UX, for one, puts all the socket stuff in socklib.o. Note that if we
?X: come here on HP-UX, then we must have used nm to get symbols, or we really
?X: don't have sockets anyway...
if $contains socklib libc.list >/dev/null 2>&1; then
  echo "Looks like you have Berkeley networking support." >&4
  d_socket="$define"
  : we will have
to assume that it supports the 4.2 BSD interface
  d_oldsock="$undef"
else
  echo "You don't have Berkeley networking in libc$_a..." >&4
?X: look for an optional networking library
  if test -f /usr/lib/libnet$_a; then
?X: space between two '(' needed for ksh
    ( nm $nm_opt /usr/lib/libnet$_a | eval $nm_extract) || \
    ar t /usr/lib/libnet$_a 2>/dev/null >> libc.list
  if $contains socket libc.list >/dev/null 2>&1; then
    echo "...but the Wollongong group seems to have hacked it in." >&4
    socketlib="-lnet"
    sockethdr="-I/usr/netinclude"
    d_socket="$define"
?X: now check for advanced features
  if $contains setsockopt libc.list >/dev/null 2>&1; then
    d_oldsock="$undef"
  else
    echo "...using the old 4.1c interface, rather than 4.2" >&4
    d_oldsock="$define"
  fi
else
  echo "or even in libnet$_a, which is peculiar." >&4
  d_socket="$undef"
  d_oldsock="$undef"
fi
else
  echo "or anywhere else I see." >&4
  d_socket="$undef"
  d_oldsock="$undef"
fi
fi
fi
@if

```

HAS\_SOCKETPAIR || d\_socketpair

: see if socketpair exists

set socketpair d\_socketpair

eval \$inlibc

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_socket.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_safebcpy.U,v 3.0.1.4 1997/02/28 15:40:58 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: d\_safebcpy.U,v \$

?RCS: Revision 3.0.1.4 1997/02/28 15:40:58 ram

?RCS: patch61: improved overlapping copy check

?RCS: patch61: comfort them if they have memmove

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.3 1995/07/25 13:58:40 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.2 1995/01/11 15:29:23 ram

?RCS: patch45: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS:

Revision 3.0.1.1 1994/05/06 14:49:03 ram

?RCS: patch23: ensure string is not optimized in read-only memory (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_safebcpy: cat d\_bcopy Compile rm\_try run \

d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_safebcpy:

?S: This variable conditionally defines the HAS\_SAFE\_BCOPY symbol if

?S: the bcopy() routine can do overlapping copies. Normally, you

?S: should probably use memmove().

```

?S:.
?C:HAS_SAFE_BCOPY (SAFE_BCOPY):
?C: This symbol, if defined, indicates that the bcopy routine is available
?C: to copy potentially overlapping memory blocks. Normally, you should
?C: probably use memmove() or memcpy(). If neither is defined, roll your
?C: own version.
?C:.
?H:#$d_safebcopy HAS_SAFE_BCOPY /**/
?H:.
?F:!try
?LINT: set d_safebcopy
: can bcopy handle overlapping blocks?
echo " "
?X: assume the worst.
val="$undef"
case "$d_memmove" in
"$define")
echo "I'll use memmove() instead of bcopy() for overlapping copies." ;;
*) case "$d_bcopy" in
"$define")
echo "Checking to see if bcopy() can do overlapping copies..." >&4
$cat >try.c <<EOCP
#$i_memory I_MEMORY
#$i_stdlib I_STDLIB
#$i_string I_STRING
#$i_unistd I_UNISTD
EOCP
$cat >>try.c <<'EOCP'
#include <stdio.h>
#ifdef I_MEMORY
# include <memory.h>
#endif
#ifdef I_STDLIB
# include <stdlib.h>
#endif
#ifdef I_STRING
# include <string.h>
#else
# include <strings.h>
#endif
#ifdef I_UNISTD
# include <unistd.h> /* Needed for NetBSD */
#endif
int main()
{
char buf[128], abc[128];
char *b;
int len;

```



```

int off;
int align;

/* Copy "abcde..." string to char abc[] so that gcc doesn't
   try to store the string in read-only memory. */
bcopy("abcdefghijklmnopqrstuvwxy0123456789", abc, 36);

for (align = 7; align >= 0; align--) {
for (len = 36; len; len--) {
    b = buf+align;
    bcopy(abc, b, len);
    for (off = 1; off <= len; off++) {
        bcopy(b, b+off, len);
        bcopy(b+off,
b, len);
        if (bcmp(b, abc, len))
            exit(1);
    }
}
}
exit(0);
}
EOCP
set try
if eval $compile_ok; then
if $run ./try 2>/dev/null; then
    echo "Yes, it can."
    val="$define"
else
    echo "It can't, sorry."
fi
else
    echo "(I can't compile the test program, so we'll assume not...)"
fi
;;
esac
$rm_try
;;
esac
set d_safebcopy
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_safebcopy.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_internet.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_internet.U,v $
?RCS: Revision 3.0.1.1 1993/09/13 16:02:04 ram
?RCS: patch10: most mailers support Internet addresses nowadays (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:24 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_internet: Myread Oldconfig Setvar
?MAKE: -pick add $@ %<
?S:d_internet:
?S: This variable conditionally defines the INTERNET symbol, which
?S: indicates to the C program that there is a mailer available
?S: which
?S: supports internet-style addresses (user@site.domain).
?S:.
?C:INTERNET:
?C: This symbol, if defined, indicates that there is a mailer available
?C: which supports internet-style addresses (user@site.domain).
?C:.
?H:#$d_internet INTERNET /**/
?H:.
?LINT:set d_internet
: check for internet mailer
dflt=y
case "$d_internet" in
"$undef") dflt=n;;
esac
cat <<EOM

```

Most mailers can deliver mail to addresses of the INTERNET persuasion, such as user@host.edu. Some older mailers, however, require the complete path to the destination to be specified in the address.

```

EOM
rp="Does your mailer understand INTERNET addresses?"
. ./myread
case "$ans" in
y*) val="$define";;
*) val="$undef";;

```

```
esac
set d_internet
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_internet.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getservbyport\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getservbyport\_r getservbyport\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getservbyport\_r:

?S: This variable conditionally defines the HAS\_GETSERVBYPORTR symbol,

?S: which indicates to the C program that the getservbyport\_r()

?S: routine is available.

?S:.

?S:getservbyport\_r\_proto:

?S: This variable encodes the prototype of getservbyport\_r.

?S: It is zero if d\_getservbyport\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyport\_r

?S: is defined.

?S:.

?C:HAS\_GETSERVBYPORTR:

?C: This symbol, if defined, indicates

that the getservbyport\_r routine

?C: is available to getservbyport re-entrantly.

?C:.

?C:GETSERVBYPORTR\_PROTO:

?C: This symbol encodes the prototype of getservbyport\_r.

?C: It is zero if d\_getservbyport\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyport\_r

?C: is defined.

?C:.

?H:#\$d\_getservbyport\_r HAS\_GETSERVBYPORTR /\*\*/

?H:#define GETSERVBYPORTR\_PROTO \$getservbyport\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getservbyport\_r\_proto

: see if getservbyport\_r exists

set getservbyport\_r d\_getservbyport\_r

```

eval $inlibc
case "$d_getservbyport_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getservbyport_r_proto:$usethreads" in
":define") d_getservbyport_r_proto=define
set d_getservbyport_r_proto getservbyport_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getservbyport_r_proto" in
define)
case "$getservbyport_r_proto" in
"|0) try='int getservbyport_r(int, const char*, struct servent*, char*, size_t,
struct servent**);'
./protochk "$extern_C $try" $hdrs && getservbyport_r_proto=I_ICSBWR ;;
esac
case "$getservbyport_r_proto" in
"|0) try='struct servent* getservbyport_r(int, const char*, struct servent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getservbyport_r_proto=S_ICSBFI ;;
esac
case "$getservbyport_r_proto" in
"|0) try='int getservbyport_r(int, const char*, struct servent*, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && getservbyport_r_proto=I_ICSD ;;
esac
case "$getservbyport_r_proto" in
"|0) d_getservbyport_r=undef
getservbyport_r_proto=0
echo "Disabling getservbyport_r, cannot determine prototype." >&4 ;;
* ) case "$getservbyport_r_proto" in
REENTRANT_PROTO*) ;;
*) getservbyport_r_proto="REENTRANT_PROTO_$getservbyport_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "getservbyport_r has no prototype, not using it." >&4 ;;
esac
d_getservbyport_r=undef
getservbyport_r_proto=0
;;
esac
;;
*) getservbyport_r_proto=0
;;
esac

```

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getservbyport\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fchdir: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fchdir:

?S: This variable conditionally defines the HAS\_FCHDIR symbol, which

?S: indicates to the C program that the fchdir() routine is available.

?S:.

?C:HAS\_FCHDIR:

?C: This symbol, if defined, indicates that the fchdir routine is

?C: available to change directory using a file descriptor.

?C:.

?H:#\$d\_fchdir HAS\_FCHDIR /\*\*/

?H:.

?LINT:set d\_fchdir

: see if fchdir exists

set fchdir d\_fchdir

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fchdir.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: MailList.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Graham Stoney <greyham@research.canon.oz.au>

?RCS:

?RCS: \$Log: MailList.U,v \$

```

?RCS: Revision 3.0.1.1 1994/01/24 14:01:49 ram
?RCS: patch16: created
?RCS:
?RCS:
?X:
?X: This unit offers the user the option of subscribing to the mailing
?X: list. To force inclusion of this unit, you must add it's name to the
?X: dependancies on the MAKE line in your private copy of End.U.
?X: The address of the mailing list server must be set via a "list_request=..."
?X:
?X: entry in the .package file. This is usually done by running packinit and
?X: answering the proper questions.
?X:
?MAKE:MailList: cat mailer package Myread cf_name cf_email
?MAKE: -pick wipe $@ %<
?T:list_request list_sub list_unsub list_name
?X:
?X: The cf_name dependency is used through list_sub when the mailing list
?X: manager happens to be listserv, whereas cf_email is used whith majordomo
?X: or when the mailing list request address is scanned by a human. Since
?X: they do not appear within the unit itself, we need a lint hint.
?X:
?LINT:use cf_name cf_email
: offer to join the mailing list
list_request='<$list_request>'
list_sub="<$list_sub>"
list_unsub="<$list_unsub>"
list_name="<$list_name>"
$cat <<EOM

```

There is a mailing list for discussion about \$package and related issues. This is the preferred place to ask questions about the program and discuss modifications and additions with the author and other users. If you are able to send mail to the Internet, you are encouraged to subscribe. You need only ever subscribe once, and you can unsubscribe automatically at any time in the future. If you have already subscribed and you wish to unsubscribe now, you may do so by answering "unsubscribe". Answer "subscribe" to subscribe to the list.

```

EOM
rp="Subscribe to or unsubscribe from the $list_name mailing list?"
dflt=neither
. ./myread
case "$ans" in
[sS]*) $cat <<EOM

```

You will be sent a message from the list server to let you know when your

subscription has been successful and telling you how to submit articles and how to unsubscribe again when necessary. You may also unsubscribe by running this script again and asking it to do so for you.

EOM

```
echo "Sending mail to subscribe you to the $list_name list..." >&4
```

```
$mailer $list_request <<EOM >/dev/null 2>&1
```

Precedence: junk

To: \$list\_request

\$list\_sub

EOM

```
::
```

```
[uU]*) echo "Sending mail to unsubscribe you from the $list_name list..." >&4
```

```
$mailer $list_request <<EOM >/dev/null 2>&1
```

Precedence: junk

To:

\$list\_request

\$list\_unsub

EOM

```
::
```

esac

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/MailList.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getprotobynumber\_r.U,v 0RCS:

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?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getprotobynumber\_r getprotobynumber\_r\_proto: Inlibc Protochk \

Hasproto i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getprotobynumber\_r:

?S: This variable conditionally defines the HAS\_GETPROTOBYNUMBER\_R symbol,

?S: which indicates to the C program that the getprotobynumber\_r()

?S: routine is available.

?S:.

?S:getprotobynumber\_r\_proto:

?S: This variable encodes the prototype of getprotobynumber\_r.

?S: It is zero if d\_getprotobynumber\_r is undef, and one of the

```

?S: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotobynumber_r
?S: is defined.
?S:.
?C:HAS_GETPROTOBYNUMBER_R:
?C: This
symbol, if defined, indicates that the getprotobynumber_r routine
?C: is available to getprotobynumber re-entrantly.
?C:.
?C:GETPROTOBYNUMBER_R_PROTO:
?C: This symbol encodes the prototype of getprotobynumber_r.
?C: It is zero if d_getprotobynumber_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_getprotobynumber_r
?C: is defined.
?C:.
?H:#$d_getprotobynumber_r HAS_GETPROTOBYNUMBER_R /**/
?H:#define GETPROTOBYNUMBER_R_PROTO $getprotobynumber_r_proto /**/
?H:.
?T:try hdrs d_getprotobynumber_r_proto
: see if getprotobynumber_r exists
set getprotobynumber_r d_getprotobynumber_r
eval $inlibc
case "$d_getprotobynumber_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_getprotobynumber_r_proto:$usetreads" in
":define") d_getprotobynumber_r_proto=define
set d_getprotobynumber_r_proto getprotobynumber_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_getprotobynumber_r_proto" in
define)
case "$getprotobynumber_r_proto"
in
"|0) try='int getprotobynumber_r(int, struct protoent*, char*, size_t, struct protoent**);'
./protochk "$extern_C $try" $hdrs && getprotobynumber_r_proto=I_ISBWR ;;
esac
case "$getprotobynumber_r_proto" in
"|0) try='struct protoent* getprotobynumber_r(int, struct protoent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getprotobynumber_r_proto=S_ISBI ;;
esac
case "$getprotobynumber_r_proto" in
"|0) try='int getprotobynumber_r(int, struct protoent*, struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && getprotobynumber_r_proto=I_ISD ;;
esac
case "$getprotobynumber_r_proto" in
"|0) d_getprotobynumber_r=undef
getprotobynumber_r_proto=0

```



```

echo "Disabling getprotobynumber_r, cannot determine prototype." >&4 ;;
*) case "$getprotobynumber_r_proto" in
REENTRANT_PROTO*) ;;
*) getprotobynumber_r_proto="REENTRANT_PROTO_${getprotobynumber_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usetthreads" in
define) echo "getprotobynumber_r
has no prototype, not using it." >&4 ;;
esac
d_getprotobynumber_r=undef
getprotobynumber_r_proto=0
;;
esac
;;
*) getprotobynumber_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/threads/d_getprotobynumber_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_strtod.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_strtod.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:46:36 ram
?RCS: patch61: created
?RCS:
?RCS:
?MAKE:d_strtod: Inlibc
?MAKE: -pick add $@ %<
?S:d_strtod:
?S: This variable conditionally defines the HAS_STRTOD symbol, which
?S: indicates to the C program that the strtod() routine is available
?S: to provide better numeric string conversion than atof().

```

?S:  
?C:HAS\_STRTOD (STRTOD):  
?C: This symbol, if defined,  
indicates that the strtod routine is  
?C: available to provide better numeric string conversion than atof().  
?C:.  
?H:#\$d\_strtod HAS\_STRTOD /\*\*/  
?H:.  
?LINT:set d\_strtod  
: see if strtod exists  
set strtod d\_strtod  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strtod.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: usedtrace.U,v \$  
?RCS:  
?RCS: Copyright (c) 2008 H.Merijn Brand  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: \$Log: usedtrace.U,v \$  
?RCS:  
?MAKE:usedtrace dtrace: Myread Oldconfig Setvar Getfile test  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:usedtrace:  
?S: This variable indicates whether we are compiling with dtrace  
?S: support. See also dtrace.  
?S:.  
?S:dtrace:  
?S: This variable holds the location of the dtrace executable.  
?S:.  
?C:USE\_DTRACE:  
?C: This symbol, if defined, indicates that Perl should  
?C: be built with support for DTrace.  
?C:.  
?H:#\$usedtrace USE\_DTRACE /\*\*/  
?H:.  
?T:dflt\_dtrace  
?LINT:set usedtrace  
?LINT:set dtrace  
: DTrace support  
dflt\_dtrace='/usr/sbin/dtrace'

```
$test -x /usr/bin/dtrace && dflt_dtrace='/usr/bin/dtrace'
```

```
cat <<EOM
```

Perl can be built to support DTrace on platforms that support it.

DTrace is a diagnosis and performance analysis tool from Sun.

If this doesn't make any sense to you, just accept the default.

```
EOM
```

```
while $test 1 ; do
case "$usedtrace" in
$define|true|[yY]*)
dflt='y'
;;
?*)
dflt='y'
dflt_dtrace=$usedtrace
;;
*)
dflt='n'
;;
esac

rp='Support DTrace if available?'
./myread
case "$ans" in
y|Y) val="$define" ;;
*) val="$undef" ;;
esac
set usedtrace
eval $setvar

test "X$usedtrace" != "X$define" && break

echo " "
rp='Where is the dtrace executable?'
dflt=$dflt_dtrace
./getfile
val="$ans"
set dtrace
eval $setvar

if $test -f $dtrace
then
if $dtrace -h -s ../perldtrace.d \
-o perldtrace.tmp >/dev/null 2>&1 \
```

```
&& rm -f perldtrace.tmp
then
echo " "
echo "Good: your $dtrace knows about the -h flag."
else
cat >&2 <<EOM
```

```
*** $me: Fatal Error: $dtrace doesn't support -h flag
***
*** Your installed dtrace doesn't support the -h switch to compile a D
*** program into a C header. Can't continue.
```

EOM

```
exit
1
fi
break;
fi
```

```
case "$fastread" in
yes)
cat >&2 <<EOM
```

```
*** $me: Fatal Error: $dtrace not found.
*** Can't continue.
```

EOM

```
exit 1
;;
*)
echo "*** $dtrace was not found."
echo " "
;;
esac
done
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/usedtrace.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_sethostent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_sethostent\_r sethostent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_sethostent\_r:

?S: This variable conditionally defines the HAS\_SETHOSTENT\_R symbol,  
 ?S: which indicates to the C program that the sethostent\_r()  
 ?S: routine is available.

?S:.

?S:sethostent\_r\_proto:

?S: This variable encodes the prototype of sethostent\_r.  
 ?S: It is zero if d\_sethostent\_r is undef, and one of the  
 ?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_sethostent\_r  
 ?S: is defined.

?S:.

?C:HAS\_SETHOSTENT\_R:

?C: This symbol, if defined, indicates that the sethostent\_r routine  
 ?C: is  
 available to sethostent re-entrantly.

?C:.

?C:SETHOSTENT\_R\_PROTO:

?C: This symbol encodes the prototype of sethostent\_r.  
 ?C: It is zero if d\_sethostent\_r is undef, and one of the  
 ?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_sethostent\_r  
 ?C: is defined.

?C:.

?H:#\$d\_sethostent\_r HAS\_SETHOSTENT\_R /\*\*/  
 ?H:#define SETHOSTENT\_R\_PROTO \$sethostent\_r\_proto /\*\*/  
 ?H:.

?T:try hdrs d\_sethostent\_r\_proto  
 : see if sethostent\_r exists  
 set sethostent\_r d\_sethostent\_r  
 eval \$inlibc  
 case "\$d\_sethostent\_r" in  
 "\$define")  
 hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
 case "\$d\_sethostent\_r\_proto:\$usethreads" in  
 ":define") d\_sethostent\_r\_proto=define  
 set d\_sethostent\_r\_proto sethostent\_r \$hdrs  
 eval \$hasproto ;;  
 \*) ;;  
 esac  
 case "\$d\_sethostent\_r\_proto" in  
 define)  
 case "\$sethostent\_r\_proto" in  
 "|0) try='int sethostent\_r(int, struct hostent\_data\*);'  
 ./protochk "\$extern\_C \$try" \$hdrs && sethostent\_r\_proto=I\_ID ;;  
 esac

```

case "$sethostent_r_proto" in
"|0) try='void
sethostent_r(int, struct hostent_data*);'
./protochk "$extern_C $try" $hdrs && sethostent_r_proto=V_ID ;;
esac
case "$sethostent_r_proto" in
"|0) d_sethostent_r=undef
sethostent_r_proto=0
echo "Disabling sethostent_r, cannot determine prototype." >&4 ;;
*) case "$sethostent_r_proto" in
REENTRANT_PROTO*) ;;
*) sethostent_r_proto="REENTRANT_PROTO_${sethostent_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "sethostent_r has no prototype, not using it." >&4 ;;
esac
d_sethostent_r=undef
sethostent_r_proto=0
;;
esac
;;
*) sethostent_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_sethostent\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Warn.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Extract.U,v \$

?X:

?X: This unit produces a shell script which can be run in order to emit

?X: an important warning to the user, which will be remembered and shown

?X: at the end of the Configure run as well.

```

?X:
?X: A typical use would be:
?X:
?X: ./warn <<EOM
?X: Problem with your C compiler: can't turn debugging on.
?X: EOM
?X:
?X: or:
?X:
?X: ./warn "Problem with your C compiler: can't turn debugging on."
?X:
?X: Which will both display to the user:
?X:
?X: ***
WARNING:
?X: *** Problem with your C compiler: can't turn debugging on.
?X: ***
?X:
?MAKE:Warn: startsh eunicefix
?MAKE: -pick add $@ %<
?F:./warn
: script used to emit important warnings
cat >warn <<EOS
$startsh
?X: Read the whole warning message from stdin into a temporary file
?X: when no argument was supplied.
if test $# -gt 0; then
    echo "$@" >msg
else
    cat >msg
fi
?X: Emit the warning, prefixing all lines with '*** '
echo "*** WARNING:" >&4
sed -e 's/^/*** /' <msg >&4
echo "*** " >&4
?X: Save the warning in the logs, which will be shown again at the end
cat msg >>config.msg
echo " " >>config.msg
rm -f msg
EOS
chmod +x warn
$eunicefix warn

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Warn.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_perror.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_perror.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:11:38 ram
?RCS: patch32: always define HAS_PERROR even when not used in C code
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:45 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_perror: Inlibc
?MAKE:-pick add $@ %<
?S:d_perror:
?S: This variable conditionally remaps perror to a null action and
?S: defines the symbol HAS_PERROR, which indicates to the C program
?S: that the perror()
?S: routine is not available to print system
?S: error messages.
?S:.
?C:HAS_PERROR ~ %<:
?C: This symbol, if defined, indicates that the perror() routine is
?C: available to print system error messages. If not defined, you should
?C: use your own diagnostic routine...
?C:.
?C:perror ~ %<:
?C: This symbol is mapped to null if the perror() routine is not
?C: available to print system error messages.
?C:.
?H:%<:#$d_perror HAS_PERROR /**/
?H:%<:#ifndef HAS_PERROR
?H:%<:#define perror(s) ; /* mapped to a null statement */
?H:%<:#endif
?H:.
?LINT:set d_perror
: see if perror exists
set perror d_perror
eval $inlibc

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_perror.U

```



No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_socket.U,v 3.0.1.2 1997/02/28 15:46:00 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_socket.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:46:00 ram
?RCS: patch61: replaced .a with $_a all over the place
?RCS:
?RCS: Revision 3.0.1.1 1994/01/24 14:08:04 ram
?RCS: patch16: can now safely declare private nm_extract in dependencies
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:26 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_socket d_oldsock d_sockpair socketlib sockethdr \
d_msg_ctrunc d_msg_dontroute d_msg_oob d_msg_peek
d_msg_proxy \
d_scm_rights d_sockaddr_sa_len d_sockaddr_in6 d_sin6_scope_id \
d_ip_mreq d_ip_mreq_source d_ipv6_mreq d_ipv6_mreq_source: \
contains echo n c ar nm nm_opt nm_extract Inlibc Csym _a \
Compile cat rm_try Setvar Hasfield sysroot
?MAKE: -pick add $@ %<
?S:d_socket:
?S: This variable conditionally defines HAS_SOCKET, which indicates
?S: that the BSD socket interface is supported.
?S:.
?S:d_sockpair:
?S: This variable conditionally defines the HAS_SOCKETPAIR symbol, which
?S: indicates that the BSD socketpair() is supported.
?S:.
?S:d_oldsock:
?S: This variable conditionally defines the OLDSOCKET symbol, which
?S: indicates that the BSD socket interface is based on 4.1c and not 4.2.
?S:.
?S:d_msg_ctrunc:
?S: This variable conditionally defines the HAS_MSG_CTRUNC symbol,
?S: which indicates that the MSG_CTRUNC is available. #ifdef is
?S: not enough because it may be an enum, glibc has been known to do this.
?S:.
?S:d_msg_dontroute:
```

?S: This variable conditionally defines the HAS\_MSG\_DONTROUTE symbol,  
?S: which indicates that the MSG\_DONTROUTE is available. #ifdef is  
?S: not enough because it may be an enum, glibc has been known to do this.  
?S:.  
?S:d\_msg\_oob:  
?S: This variable conditionally defines the HAS\_MSG\_OOB symbol,  
?S: which indicates that the MSG\_OOB is available. #ifdef is  
?S: not enough because it may be an enum, glibc has been known to do this.  
?S:.  
?S:d\_msg\_peek:  
?S: This variable conditionally defines the HAS\_MSG\_PEEK symbol,  
?S: which indicates that the MSG\_PEEK is available. #ifdef is  
?S: not enough because it may be an enum, glibc has been known to do this.  
?S:.  
?S:d\_msg\_proxy:  
?S: This variable conditionally defines the HAS\_MSG\_PROXY symbol,  
?S: which indicates that the MSG\_PROXY is available. #ifdef is  
?S: not enough because it may be an enum, glibc has been known to do this.  
?S:.  
?S:d\_scm\_rights:  
?S: This variable conditionally defines the HAS\_SCM\_RIGHTS symbol,  
?S: which indicates that the SCM\_RIGHTS is available. #ifdef is  
?S: not  
enough because it may be an enum, glibc has been known to do this.  
?S:.  
?S:d\_sockaddr\_sa\_len:  
?S: This variable conditionally defines the HAS\_SOCKADDR\_SA\_LEN symbol,  
?S: which indicates that a struct sockaddr structure has the sa\_len  
?S: member.  
?S:.  
?S:d\_sockaddr\_in6:  
?S: This variable conditionally defines the HAS\_SOCKADDR\_IN6 symbol, which  
?S: indicates the availability of a struct sockaddr\_in6.  
?S:.  
?S:d\_sin6\_scope\_id:  
?S: This variable conditionally defines the HAS\_SIN6\_SCOPE\_ID symbol, which  
?S: indicates that a struct sockaddr\_in6 structure has the sin6\_scope\_id  
?S: member.  
?S:.  
?S:d\_ip\_mreq:  
?S: This variable conditionally defines the HAS\_IP\_MREQ symbol, which  
?S: indicates the availability of a struct ip\_mreq.  
?S:.  
?S:d\_ip\_mreq\_source:  
?S: This variable conditionally defines the HAS\_IP\_MREQ\_SOURCE symbol,  
?S: which indicates the availability of a struct ip\_mreq\_source.  
?S:.

?S:d\_ipv6\_mreq:

?S: This variable conditionally defines the HAS\_IPV6\_MREQ symbol, which

?S: indicates

the availability of a struct ipv6\_mreq.

?S:.

?S:d\_ipv6\_mreq\_source:

?S: This variable conditionally defines the HAS\_IPV6\_MREQ\_SOURCE symbol,

?S: which indicates the availability of a struct ipv6\_mreq\_source.

?S:.

?S:socketlib:

?S: This variable has the names of any libraries needed for socket support.

?S:.

?S:sockethdr:

?S: This variable has any cpp '-I' flags needed for socket support.

?S:.

?C:HAS\_SOCKET (SOCKET):

?C: This symbol, if defined, indicates that the BSD socket interface is

?C: supported.

?C:.

?C:HAS\_SOCKETPAIR (SOCKETPAIR):

?C: This symbol, if defined, indicates that the BSD socketpair() call is

?C: supported.

?C:.

?C:USE\_OLD\_SOCKET (OLDSOCKET):

?C: This symbol, if defined, indicates that the 4.1c BSD socket interface

?C: is supported instead of the 4.2/4.3 BSD socket interface. For instance,

?C: there is no setsockopt() call.

?C:.

?C:HAS\_MSG\_CTRUNC:

?C: This symbol, if defined, indicates that the MSG\_CTRUNC is supported.

?C: Checking just with #ifdef might not be enough

because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_DONTROUTE:

?C: This symbol, if defined, indicates that the MSG\_DONTROUTE is supported.

?C: Checking just with #ifdef might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_OOB:

?C: This symbol, if defined, indicates that the MSG\_OOB is supported.

?C: Checking just with #ifdef might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_PEEK:

?C: This symbol, if defined, indicates that the MSG\_PEEK is supported.

?C: Checking just with #ifdef might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_MSG\_PROXY:

?C: This symbol, if defined, indicates that the MSG\_PROXY is supported.

?C: Checking just with #ifdef might not be enough because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_SCM\_RIGHTS:

?C: This symbol, if defined, indicates that the SCM\_RIGHTS is supported.

?C: Checking just with #ifdef might not be enough

because this symbol

?C: has been known to be an enum.

?C:.

?C:HAS\_SOCKADDR\_SA\_LEN:

?C: This symbol, if defined, indicates that the struct sockaddr

?C: structure has a member called sa\_len, indicating the length of

?C: the structure.

?C:.

?C:HAS\_SOCKADDR\_IN6:

?C: This symbol, if defined, indicates the availability of

?C: struct sockaddr\_in6;

?C:.

?C:HAS\_SIN6\_SCOPE\_ID:

?C: This symbol, if defined, indicates that the struct sockaddr\_in6

?C: structure has a member called sin6\_scope\_id.

?C:.

?C:HAS\_IP\_MREQ:

?C: This symbol, if defined, indicates the availability of

?C: struct ip\_mreq;

?C:.

?C:HAS\_IP\_MREQ\_SOURCE:

?C: This symbol, if defined, indicates the availability of

?C: struct ip\_mreq\_source;

?C:.

?C:HAS\_IPV6\_MREQ:

?C: This symbol, if defined, indicates the availability of

?C: struct ipv6\_mreq;

?C:.

?C:HAS\_IPV6\_MREQ\_SOURCE:

?C: This symbol, if defined, indicates the availability of

?C: struct ipv6\_mreq\_source;

?C:.

?H:#\$d\_socket HAS\_SOCKET /\*\*/

?H:#\$d\_sockpair HAS\_SOCKETPAIR /\*\*/

?H:#\$d\_sockaddr\_sa\_len HAS\_SOCKADDR\_SA\_LEN /\*\*/

?H:#\$d\_oldsock USE\_OLD\_SOCKET /\*\*/

?H:#\$d\_msg\_ctrunc HAS\_MSG\_CTRUNC /\*\*/

?H:#\$d\_msg\_dontroute HAS\_MSG\_DONTROUTE /\*\*/

?H:#\$d\_msg\_oob HAS\_MSG\_OOB /\*\*/

```

?H:#$d_msg_peek HAS_MSG_PEEK /**/
?H:#$d_msg_proxy HAS_MSG_PROXY /**/
?H:#$d_scm_rights HAS_SCM_RIGHTS /**/
?H:#$d_sockaddr_in6 HAS_SOCKADDR_IN6 /**/
?H:#$d_sin6_scope_id HAS_SIN6_SCOPE_ID /**/
?H:#$d_ip_mreq HAS_IP_MREQ /**/
?H:#$d_ip_mreq_source HAS_IP_MREQ_SOURCE /**/
?H:#$d_ipv6_mreq HAS_IPV6_MREQ /**/
?H:#$d_ipv6_mreq_source HAS_IPV6_MREQ_SOURCE /**/
?H:.
?T:val
net ENUM enum
?LINT:set d_sockpair d_sockaddr_sa_len
?LINT:set d_msg_ctrunc d_msg_dontroute d_msg_oob d_msg_peek d_msg_proxy
?LINT:set d_scm_rights d_sockaddr_in6 d_sin6_scope_id d_ip_mreq
?LINT:set d_ip_mreq_source d_ipv6_mreq d_ipv6_mreq_source
: see whether socket exists
socketlib="
sockethdr="
echo " "
$echo $n "Hmm... $c" >&4
if set socket val -f d_socket; eval $sym; $val; then
    echo "Looks like you have Berkeley networking
support." >&4
    d_socket="$define"
?X: now check for advanced features
    if set setsockopt val -f; eval $sym; $val; then
d_oldsock="$undef"
        else
echo "...but it uses the old BSD 4.1c interface, rather than 4.2." >&4
d_oldsock="$define"
        fi
else
?X: HP-UX, for one, puts all the socket stuff in socklib.o. Note that if we
?X: come here on HP-UX, then we must have used nm to get symbols, or we really
?X: don't have sockets anyway...
    if $contains socklib libc.list >/dev/null 2>&1; then
echo "Looks like you have Berkeley networking support." >&4
d_socket="$define"
: we will have to assume that it supports the 4.2 BSD interface
d_oldsock="$undef"
        else
echo "You don't have Berkeley networking in libc$a..." >&4
?X: look for optional networking libraries
if test "X$d_socket" = "X$define"; then
    echo "...but you seem to believe that you have sockets." >&4
else
    for net in net socket

```

```

do
if test -f $sysroot/usr/lib/lib$net$_a; then
?X: space between two
 '(' needed for ksh
  (( $nm $nm_opt $sysroot/usr/lib/lib$net$_a | eval $nm_extract) || \
  $ar t $sysroot/usr/lib/lib$net$_a 2>/dev/null >> libc.list
  if $contains socket libc.list >/dev/null 2>&1; then
d_socket="$define"
socketlib="-l$net"
case "$net" in
net)
  echo "...but the Wollongong group seems to have hacked it in." >&4
  sockethdr="-I$sysroot/usr/netinclude"
  ;;
esac
echo "Found Berkeley sockets interface in lib$net." >&4
?X: now check for advanced features
if $contains setsockopt libc.list >/dev/null 2>&1; then
  d_oldsock="$undef"
else
  echo "...using the old BSD 4.1c interface, rather than 4.2." >&4
  d_oldsock="$define"
fi
break
fi
done
if test "X$d_socket" != "X$define"; then
  echo "or anywhere else I see." >&4
  d_socket="$undef"
  d_oldsock="$undef"
fi
fi
fi

@if HAS_SOCKETPAIR || d_socketpair
: see if socketpair exists
set socketpair d_socketpair
eval
$inlibc

@end

echo " "
?X: ...
echo "Checking the availability sa_len in the sock struct ..." >&4
$cat >try.c <<EOF

```

```

#include <sys/types.h>
#include <sys/socket.h>
int main() {
struct sockaddr sa;
return (sa.sa_len);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_sockaddr_sa_len; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct sockaddr_in6 ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct sockaddr_in6 sin6;
return (sin6.sin6_family);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_sockaddr_in6; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability sin6_scope_id in struct sockaddr_in6 ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct sockaddr_in6 sin6;
return (sin6.sin6_scope_id);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"

```

```

fi
set
  d_sin6_scope_id; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ip_mreq ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
  struct ip_mreq mreq;
  return (mreq.imr_multiaddr.s_addr);
}
EOF
val="$undef"
set try; if eval $compile; then
  val="$define"
fi
set d_ip_mreq; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ip_mreq_source ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
  struct ip_mreq_source mreq;
  return (mreq.imr_multiaddr.s_addr);
}
EOF
val="$undef"
set try; if eval $compile; then
  val="$define"
fi
set d_ip_mreq_source; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ipv6_mreq ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>

```



```

#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct ipv6_mreq mreq;
return (mreq.ipv6mr_interface);
}
EOF
val="$undef"
set
try; if eval $compile; then
    val="$define"
fi
set d_ipv6_mreq; eval $setvar
$rm_try

echo " "
?X: ...
echo "Checking the availability struct ipv6_mreq_source ..." >&4
$cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
int main() {
struct ipv6_mreq_source mreq;
return (mreq.imr_multiaddr.s_addr);
}
EOF
val="$undef"
set try; if eval $compile; then
    val="$define"
fi
set d_ipv6_mreq_source; eval $setvar
$rm_try

echo " "
?X: these constants are known to be troublesomely defined as enums
?X: so that ifdef will not work for detecting their presence.
echo "Checking the availability of certain socket constants..." >&4
for ENUM in MSG_CTRUNC MSG_DONTROUTE MSG_OOB MSG_PEEK MSG_PROXY SCM_RIGHTS; do
    enum=`$echo $ENUM|./tr '[A-Z]' '[a-z]'`
    $cat >try.c <<EOF
#include <sys/types.h>
#include <sys/socket.h>
int main() {
    int i = $ENUM;
}
EOF
val="$undef"

```

```
set try; if eval $compile; then
val="$define"
fi
set d_{$enum};
eval $setvar
$rm_try
done
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_socket.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_copysignl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_copysignl:

?S: This variable conditionally defines the HAS\_COPYSIGNL symbol, which

?S: indicates to the C program that the copysignl() routine is available.

?S: If aintl is also present we can emulate modfl.

?S:.

?C:HAS\_COPYSIGNL:

?C: This symbol, if defined, indicates that the copysignl routine is

?C: available. If aintl is also present we can emulate modfl.

?C:.

?H:#\$d\_copysignl HAS\_COPYSIGNL /\*\*/

?H:.

?LINT:set d\_copysignl

: see if copysignl exists

set copysignl d\_copysignl

eval \$inlibc

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_copysignl.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setreuid.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_setreuid.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:13 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_setreuid d\_setresuid: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_setreuid:

?S: This variable conditionally defines HAS\_SETREUID if setreuid() is

?S: available to change the real and effective uid of the current

?S: process.

?S:.

?S:d\_setresuid:

?S: This variable conditionally defines HAS\_SETREUID if setresuid() is

?S: available to change

the real, effective and saved uid of the current

?S: process.

?S:.

?C:HAS\_SETREUID (SETREUID):

?C: This symbol, if defined, indicates that the setreuid routine is

?C: available to change the real and effective uid of the current

?C: process.

?C:.

?C:HAS\_SETRESUID (SETRESUID):

?C: This symbol, if defined, indicates that the setresuid routine is

?C: available to change the real, effective and saved uid of the current

?C: process.

?C:.

?H:#\$d\_setreuid HAS\_SETREUID /\*\*/

?H:#\$d\_setresuid HAS\_SETRESUID /\*\*/

?H:.

?LINT:set d\_setreuid d\_setresuid

: see if setreuid exists

set setreuid d\_setreuid

eval \$inlibc

set setresuid d\_setresuid

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setreuid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

```

?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_ndbm.U,v $
?RCS: Revision 3.0.1.1 1995/05/12 12:16:53 ram
?RCS: patch54: made more robust by checking both header and lib (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:08:23 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_ndbm: Inhdr Inlibc Setvar
?MAKE: -pick add $@ %<
?S:i_ndbm (d_ndbm):
?S: This variable conditionally defines the I_NDBM symbol, which
?S: indicates to the C program that <ndbm.h> exists and should
?S: be included.
?S:.
?C:I_NDBM (HAS_NDBM NDBM):
?C: This
symbol, if defined, indicates that <ndbm.h> exists and should
?C: be included.
?C:.
?H:#$i_ndbm I_NDBM /**/
?H:.
?T:t_ndbm d_dbm_open
?LINT:set i_ndbm
: see if ndbm.h is available
?X: t_ndbm is a tentative check. We might just have the .h, not the lib -- ADO
set ndbm.h t_ndbm
eval $inhdr
case "$t_ndbm" in
$define)
: see if dbm_open exists
set dbm_open d_dbm_open
eval $inlibc
case "$d_dbm_open" in
$undef)
t_ndbm="$undef"
echo "We won't be including <ndbm.h>"
;;
esac
;;

```

```
esac
val="$t_ndbm"
set i_ndbm
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_ndbm.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

?RCS:

?MAKE:usesocks: Myread Oldconfig Setvar spackage package

?MAKE: -pick add \$@ %<

?Y:TOP

?S:usesocks:

?S: This variable conditionally defines the USE\_SOCKS symbol,

?S: and indicates that Perl should be built to use SOCKS.

?S:.

?C:USE\_SOCKS:

?C: This symbol, if defined, indicates that Perl should

?C: be built to use socks.

?C:.

?H:%<:#\$usesocks USE\_SOCKS /\*\*/

?H:.

?D:usesocks="

?LINT:set usesocks

: check for requested SOCKS support

case "\$usesocks" in

\$define|true|[yY]\*) dflt='y';

\*)

dflt='n';

esac

cat <<EOM

\$spackage can be built to use the SOCKS proxy protocol library.

If this doesn't make any sense to you, just accept the default '\$dflt'.

EOM

```
rp="Build $package for SOCKS?"
```

```
./myread  
case "$ans" in  
y|Y) val="$define" ;;  
*)   val="$undef" ;;  
esac  
set usesocks  
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/usesocks.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_cuserid.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

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?RCS: as specified in the README file that comes with the distribution.
```

```
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: d_cuserid.U,v $
```

```
?RCS: Revision 3.0.1.1 1994/08/29 16:07:25 ram
```

```
?RCS: patch32: created by ADO
```

```
?RCS:
```

```
?MAKE:d_cuserid: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_cuserid:
```

```
?S: This variable conditionally defines the HAS_CUSERID symbol, which
```

```
?S: indicates to the C program that the cuserid() routine is available
```

```
?S: to get character login names.
```

```
?S:.
```

```
?C:HAS_CUSERID :
```

```
?C: This symbol,
```

```
if defined, indicates that the cuserid routine is
```

```
?C: available to get character login names.
```

```
?C:.
```

```
?H:#$d_cuserid HAS_CUSERID /**/
```

```
?H:.
```

```
?LINT:set d_cuserid
```

```
: see if cuserid exists
```

```
set cuserid d_cuserid
```

```
eval $inlibc
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_cuserid.U

No license file was found, but licenses were detected in source scan.

```
#####
```

```
## Jmake rules for building libraries, programs, scripts, and data files
```

```
## $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $
```

```
/*
```

```
* MACHINE-INDEPENDENT RULES -- DO NOT MODIFY
```

```
*/
```

```
/* $Id: Jmake.rules 18 2006-12-27 10:35:09Z rmanfredi $
```

```
*
```

```
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
*
```

```
* You may redistribute only under the terms of the Artistic Licence,
```

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* as specified in the README file that comes with the distribution.
```

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* You may reuse parts of this distribution only within the terms of
```

```
* that same Artistic Licence; a copy of which may be found at the root
```

```
* of the source tree for dist 4.0.
```

```
*
```

```
* $Log: Jmake.rules,v $
```

```
* Revision 3.0.1.7 2004/08/22 08:28:58 ram
```

```
* patch71: random cleanup
```

```
*
```

```
* Revision 3.0.1.6 1997/02/28 14:56:01 ram
```

```
* patch61: now handles USRINC for dependencies
```

```
* patch61: smarter about dependencies
```

```
computation
```

```
*
```

```
* Revision 3.0.1.5 1995/09/25 09:07:19 ram
```

```
* patch59: smarter sed command to strip /usr/include dependencies
```

```
*
```

```
* Revision 3.0.1.4 1995/07/25 13:33:59 ram
```

```
* patch56: install of script man pages can now cope with missing files
```

```
* patch56: the clobber target now removes the .config directory as well
```

```
*
```

```
* Revision 3.0.1.3 1995/03/21 08:35:28 ram
```

```
* patch52: suppressed extra argument to NormalProgramTarget call
```

```
*
```

```
* Revision 3.0.1.2 1995/01/11 14:49:55 ram
```

```
* patch45: new macros ShellScriptTargetExt and SimpleShellScriptTargetExt
```

```
* patch45: directory installation is now made via INSTALLDIR (Configure)
```

```
*
```

```
* Revision 3.0.1.1 1994/10/29 15:46:30 ram
```

```

* patch36: added RemoteDependency rule
*
* Revision 3.0 1993/08/18 12:04:14 ram
* Baseline for dist 3.0 netwide release.
*
*/

/* Please, edit only with tabstops = 4 (":set ts=4" under vi) */

/*
* AddedByConfigure:
* Gives name of the files generated by Configure that can safely
* be removed
* when a "make clobber" is issued. Not that it is useless
* to name config.h or config.sh because these are already taken care
* of by jmake.
*/
#define AddedByConfigure(files) @!\
local_clobber:: @@\
$(RM) files

/*
* AddSuffix:
* Adds a suffix to the .SUFFIXES: list.
*/
#define AddSuffix(ext) @!\
|suffix ext

/*
* AllTarget:
* Generate rules to build necessary things during make all.
*/
#define AllTarget(depends) @!\
all:: depends @!\
    @!\
local_realclean:: @@\
$(RM) depends

/*
* RemoveTargetProgram:
* This is used in some other macros in order to remove the target
* before starting its building (saves disk space). There should be
* no '@!' at the end of the '#define' line, because this macro is
* used *inside* building rules.
*/
#define RemoveTargetProgram(program) \
$(RM) program @@\

```



```
if test -f program^_EXE; then \ @@\  
$(MV) program^_EXE program^_EXE; fi
```

```
/*
```

```
* NormalProgramTarget:  
* Generate rules to compile and link the  
indicated program; since  
* it does not use any default object files, it may be used for  
* multiple programs in the same Jmakefile.
```

```
*/
```

```
#define NormalProgramTarget(program,sources,objects) @!  
++OBJECTS objects @!  
++SOURCES sources @!  
NormalObjectRule() @!  
AllTarget(program) @!  
    @!  
program: objects @@\  
RemoveTargetProgram($@) @@\  
$(CC) -o $@ objects $(JLDFLAGS) $(LIBS) @!
```

```
/*
```

```
* SingleProgramTarget:  
* Obsolete version of NormalProgramTarget that doesn't have  
* deplibs.
```

```
*/
```

```
#define SingleProgramTarget(program,objects,libs) \  
NormalProgramTarget(program,objects,libs)
```

```
/*
```

```
* SimpleProgramTarget:  
* Generate rules for compiling and linking programs that only have  
* one C source file. It should only be used in Jmakefiles that  
* describe a single program.
```

```
*/
```

```
#define SimpleProgramTarget(program) @!  
NormalProgramTarget(program,program.c,program.o)
```

```
/*
```

```
* ComplexProgramTarget:  
* Generate rules for compiling and linking the program specified by  
* $(OBJS) and  
$(SRCS), installing the program and its man page, and  
* generating dependencies. It should only be used in Jmakefiles  
* that describe a single program.
```

```
*/
```

```

#define ComplexProgramTarget(program) @!\
++OBJECTS $(OBJS) @!\
++SOURCES $(SRCS) @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
program: $(OBJS) @@\
RemoveTargetProgram($@) @@\
$(CC) -o $@ $(OBJS) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC)) @!\
DependTarget() @!\
LintTarget()

```

/\*

```

* ComplexProgramTarget_1:
* Generate rules for compiling and linking the program specified by
* $(OBJS1) and $(SRCS1), installing the program and its man page,
* and generating dependencies for it and any programs described by
* $(SRCS2) and $(SRCS3). It should be used to build the primary
* program in Jmakefiles that describe multiple programs.

```

\*/

```

#define ComplexProgramTarget_1(program) @!\
++OBJECTS $(OBJS1) @!\
++SOURCES $(SRCS1) @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
program:
$(OBJS1) @@\
RemoveTargetProgram($@) @@\
$(CC) -o $@ $(OBJS1) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC)) @!\
    @!\
DependTarget() @!\
LintTarget()

```

/\*

```

* ComplexProgramTarget_2:
* Generate rules for compiling and linking the program specified by
* $(OBJS2) and $(SRCS2) and installing the program and man page.
* It should be used to build the second program in Jmakefiles
* describing more than one program.

```

```

*/
#define ComplexProgramTarget_2(program) @!\
++OBJECTS $(OBJS2) @!\
++SOURCES $(SRCS2) @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
program: $(OBJS2) @@\
RemoveTargetProgram($@) @@\
$(CC) -o $@ $(OBJS2) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC))

/*
* ComplexProgramTarget_3:
* Generate rules for compiling and linking the
  program specified by
* $(OBJS3) and $(SRCS3) and installing the program and man page. It
* should be used to build the third program in Jmakefiles describing
* more than one program.
*/
#define ComplexProgramTarget_3(program) @!\
++OBJECTS $(OBJS3) @!\
++SOURCES $(SRCS3) @!\
NormalObjectRule() @!\
AllTarget(program) @!\
    @!\
program: $(OBJS3) @@\
RemoveTargetProgram($@) @@\
$(CC) -o $@ $(OBJS3) $(JLDFLAGS) $(LIBS) @!\
    @!\
InstallProgram(program,$(BINDIR)) @!\
InstallManPage(program,$(MANSRC))

/*
* ComplexShellManualTarget:
* Builds manual pages that are to be extracted from .SH files into
* $.manext files.
*/
#define ComplexShellManualTarget(manpages) @!\
++MANPAGE manpages @!\
|once _ShellManualRule_ @!\
|rule:.SH.$manext: @!\
|rule: /bin/sh $< @!\
|rule: @!\

```

```

-once @!\
AddSuffix(.SH) @!\
AddSuffix($manext) @!\
AllTarget(manpages) @!\
    @!\
local_install.man:: @@\
    _MakeInstallDirIgnore($(MANSRC)) \ @@\
for
file in manpages; do \ @@\
    (set -x; $(INSTALL) -c -m 444 $$file \ @@\
    $(INSTALL_PREFIX)$$(MANSRC)) || exit 1; \ @@\
done @!\
    @!\
local_deinstall.man:: @@\
    @case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
for file in manpages; do \ @@\
    (set -x; $(RM) $(INSTALL_PREFIX)$$(MANSRC)/$$file); \ @@\
done

/*
* Initialize:
* Puts the line symbol = value in the initialization section of
* Makefile.SH (the one that is subject to parameter substitutions).
*/
#define Initialize(symbol,value) @!\
+symbol = value

/*
* InstallLibrary:
* Generate rules to install the indicated library.
*/
#define InstallLibrary(libname,dest) @!\
local_install:: lib^^libname.a @@\
    _MakeInstallDirIgnore(dest) \ @@\
    $(INSTALL) -c -m 644 lib^^libname.a $(INSTALL_PREFIX)^^dest @@\
    $(RANLIB) dest/lib^^libname.a @@\
    chmod 444 dest/lib^^libname.a @!\
    @!\
local_deinstall:: @@\
    $(RM) $(INSTALL_PREFIX)^^dest/lib^^libname.a

/*
* InstallSharedLibrary:
* Generate rules to install

```

```

the shared library.
*/
#define InstallSharedLibrary(libname,rev,dest) @!\
local_install:: lib^^libname.so.rev @@\
_MakeInstallDirIgnore(dest) \ @@\
$(INSTALL) -c -m 444 lib^^libname.so.rev $(INSTALL_PREFIX)^^^dest @!\
    @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^^dest/lib^^libname.so.rev

/*
* InstallSharedLibraryData:
* Generate rules to install the shared library data
*/
#define InstallSharedLibraryData(libname,rev,dest) @!\
local_install:: lib^^libname.sa.rev @@\
_MakeInstallDirIgnore(dest) \ @@\
$(INSTALL) -c -m 444 lib^^libname.sa.rev $(INSTALL_PREFIX)^^^dest @!\
    @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^^dest/lib^^libname.sa.rev

/*
* InstallLibraryAlias:
* Generate rules to create a link from one library name to another
* for the purposes of aliasing.
*/
#define InstallLibraryAlias(libname,alias,dest) @!\
local_install:: lib^^libname.a @@\
$(RM) lib^^alias.a @@\
-(cd dest; $(LN) lib^^libname.a lib^^alias.a)
@!\
    @!\
local_deinstall::  @@\
$(RM) dest/lib^^alias.a

/*
* InstallLintLibrary:
* Generate rules to install the indicated lint library.
*/
#define InstallLintLibrary(libname,dest) @!\
install.ln:: llib-I^^libname.ln  @@\
_MakeInstallDirIgnore(dest) \ @@\
$(INSTALL) -c -m 444 llib-I^^libname.ln $(INSTALL_PREFIX)^^^dest @!\
    @!\

```

```

deinstall.in::  @@\
$(RM) $(INSTALL_PREFIX)^^^dest/lib-!^libname.ln

/*
* InstallManPageLong:
* Generate rules to install the indicated manual page, giving it an
* alternate name. This is used for installing man pages whose base
* name without the .man suffix would normally be longer than 8
* characters (the limit for using source code control systems on
* files systems with short file names).
*/
#define InstallManPageLong(file,destdir,dest) @!\
local_install.man:: file.man  @@\
  _MakeInstallDirIgnore(destdir) \ @@\
$(INSTALL) -c -m 444 file.man $(INSTALL_PREFIX)^^^destdir/dest.$(L) @!\
  @!\
local_deinstall.man::  @@\
$(RM)
$(INSTALL_PREFIX)^^^destdir/dest.$(L) @!\

/*
* InstallManPage:
* Generate rules to install the indicated manual page.
*/
#define InstallManPage(file,dest) @!\
InstallManPageLong(file,dest,file)

/*
* InstallNonExec:
* Generate rules to install a data file using any special
* install flags.
*/
#define InstallNonExec(file,dest) @!\
local_install:: file  @@\
  _MakeInstallDirIgnore(dest) \ @@\
$(INSTALL) -c -m 444 file $(INSTALL_PREFIX)^^^dest @!\
  @!\
local_deinstall::  @@\
$(RM) $(INSTALL_PREFIX)^^^dest/file

/*
* InstallProgramWithFlags:
* Generate rules to install an executable program using given
* install flags.

```

```

*/
#define InstallProgramWithFlags(program,dest,flags) @!\
local_install:: program  @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -s -m 555 flags program^^^$_EXE $(INSTALL_PREFIX)^^^dest @!\
  @!\
local_deinstall::  @@\
  $(RM) $(INSTALL_PREFIX)^^^dest/program^^^$_EXE

/*
* InstallProgramNoStripWithFlags:
* Generate rules to install an executable program using given
* install flags.
*/
#define InstallProgramNoStripWithFlags(program,dest,flags) @!\
local_install:: program  @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 555 flags program^^^$_EXE $(INSTALL_PREFIX)^^^dest @!\
  @!\
local_deinstall::  @@\
  $(RM) $(INSTALL_PREFIX)^^^dest/program^^^$_EXE

/*
* InstallProgram:
* Generate rules to install an executable program using any special
* install flags set in $(INSTALLFLAGS).
*/
#define InstallProgram(program,dest) @!\
InstallProgramWithFlags(program,dest,^^)

/*
* InstallProgramNoStrip:
* Generate rules to install an executable program using any special
* install flags set in $(INSTALLFLAGS), but without stripping the
* executable from debugging symbols.
*/
#define InstallProgramNoStrip(program,dest) @!\
InstallProgramNoStripWithFlags(program,dest,^^)

/*
* InstallScriptWithFlags:
* Generate rules to install an executable script using given
* install

```

```

flags.
*/
#define InstallScriptWithFlags(script,dest,flags) @!\
local_install:: script  @@\
  _MakeInstallDirIgnore(dest) \ @@\
  $(INSTALL) -c -m 555 flags script $(INSTALL_PREFIX)^^^dest @!\
    @!\
local_deinstall::  @@\
  $(RM) $(INSTALL_PREFIX)^^^dest/script

/*
* InstallScript:
* Generate rules to install an executable script using any special
* install flags set in $(INSTALLFLAGS).
*/
#define InstallScript(script,dest) @!\
InstallScriptWithFlags(script,dest,^^)

/*
* InstallScripts:
* Generate rules to install all the scripts listed in the generated
* $(SCRIPTS) and $(LSCRIPTS) macros.
*/
#define InstallScripts() @!\
|once _InstallScripts_ @!\
local_install:: $(SCRIPTS) $(LSCRIPTS)  @@\
  _MakeInstallDirIgnore($(SCRIPTDIR)) \ @@\
  for file in $(SCRIPTS) $(LSCRIPTS); do \ @@\
    (set -x; \ @@\
    $(INSTALL) -c -m 555 $$file $(INSTALL_PREFIX)$(SCRIPTDIR) || \ @@\
    exit 1; \ @@\
  done  @!\
    @!\
local_deinstall::  @@\
  @for file in $(SCRIPTS)
  $(LSCRIPTS); do \ @@\
    case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
    (set -x; $(RM) $(INSTALL_PREFIX)$(SCRIPTDIR)/$$file); \ @@\
  done  @!\
-|once

/*
* InstallManScripts:
* Generate rule to install/deinstall manual pages for scripts listed
* in the automatically generated $(SCRIPTS) macro.
*/

```



```

#define InstallManScripts() @!\
|once _InstallManScripts_ @!\
?NOMAN:|skip @!\
local_install.man:: @@\
  _MakeInstallDirIgnore($(MANSRC)) \ @@\
  for file in $(SCRIPTS); do \ @@\
  if test -f $$file.man; then \ @@\
  (set -x; \ @@\
  $(INSTALL) -c -m 444 $$file.man \ @@\
  $(INSTALL_PREFIX)$(MANSRC)/$$file.$(L)) || \ @@\
  exit 1; \ @@\
  fi; \ @@\
done @!\
  @!\
local_deinstall.man:: @@\
  case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
  for file in $(SCRIPTS); do \ @@\
  (set -x; $(RM) $(INSTALL_PREFIX)$(MANSRC)/$$file.$(L)); \ @@\
done @!\
  @!\
-skip @!\
-once

```

/\*

\* LinkFileList:

\* Link a list of list of files from one place to another

\*/

```
#define LinkFileList(step,list,dir,sub) @!\
```

```
step:: list @@\
```

```
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
```

```
echo " cd" dir; cd dir; for i in list; do (set -x; $(LN) sub/$$i .); done
```

/\*

\* InstallMultipleDestFlags:

\* Generate rules to install multiple files at once during a particular

\* step in the build using a specific set of install flags.

\*/

```
#define InstallMultipleDestFlags(step,list,dest,flags) @!\
```

```
step:: list @@\
```

```
_MakeInstallDirIgnore(dest) \ @@\
```

```
for i in list; do \ @@\
```

```
(set -x; $(INSTALL) -c flags \ @@\
```

```
$$i $(INSTALL_PREFIX)^^^dest) || exit 1; \ @@\
```

```
done
```

```

/*
* DeinstallMultipleDest:
* Generate rules to deinstall multiple files at once during a particular
* step in the build.
*/
#define DeinstallMultipleDest(step,list,dest) @!\
step::    @@\
    @case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
    for i in list; do \    @@\
        (set -x; $(RM) $(INSTALL_PREFIX)^^^dest/$$i); \ @@\
    done

/*
* InstallMultiple:
* Generate rules to install multiple
* files at once during the install
* step of the build using any install flags set in $(INSTALLFLAGS)
* and deinstall them.
*/
#define InstallMultiple(list,dest) @!\
InstallMultipleDestFlags(local_install,list,dest,$(INSTALLFLAGS)) @!\
DeinstallMultipleDest(local_deinstall,list,dest)

/*
* InstallMultipleFlags:
* Generate rules to install multiple files at once during the
* install step of the build using the given install flags.
*/
#define InstallMultipleFlags(list,dest,flags) @!\
InstallMultipleDestFlags(local_install,list,dest,flags) @!\
DeinstallMultipleDest(local_deinstall,list,dest)

/*
* InstallMultipleMan:
* Generate rules to install a variety of manual pages
* during the install.man step of the build.
*/
#define InstallMultipleMan(list,dest) @!\
InstallMultipleDestFlags(local_install.man,list,dest,$(INSTALLFLAGS)) @!\
DeinstallMultipleDest(local_deinstall.man,list,dest)

/*
* DependDependency:
* Generate rules to build the makedepend program.
*/

```

```

#define DependDependency()
    @!\
depend:: TOPDIR/mkdep    @!\
    @!\
TOPDIR/mkdep:    @!\
?TOP: @echo "You have to run Configure first."; exit 1 @!\
%TOP: @echo "You have to run Configure in $(TOP) first."; exit 1

```

```

/*
* DependTarget:
* Generate rules to compute dependencies for all files listed
* in $(SOURCES) (automatically generated macro).
*/

```

```

#define DependTarget()    @!\
+USRINC = $usrinc @!\
|once _DependTarget_    @!\
DependDependency()    @!\
    @!\
depend::    @@\
$(SED) '/^# DO NOT DELETE/q' Makefile && \ @@\
$(MKDEP) $(SOURCES) | \ @@\
$(SED) -e 's:/usr/lib[^ ]*::g; s:$(USRINC)[^ ]*::g; ' \ @@\
-e '/: / b print' -e '$$ b print' -e 'H; d; n; : print' \ @@\
-e 'x; s/\$\$/; s/\n//g; s/ ^ ^ */ /g; s/ :/:;' -e '/: *$$/d' \ @@\
) > Makefile.new    @@\
cp Makefile Makefile.bak    @@\
cp Makefile.new Makefile    @@\
$(RM) Makefile.new    @!\
    @!\
-once

```

```

/*
* CleanTarget:
* Generate rules to remove any garbage files.
*/
#define CleanTarget()    @!\
?SUBDIRS:clean:
    sub_clean local_clean    @!\
%SUBDIRS:clean: local_clean    @!\
?SUBDIRS:realclean: sub_realclean local_realclean @!\
%SUBDIRS:realclean: local_realclean    @!\
?SUBDIRS:clobber: sub_clobber local_clobber    @!\
%SUBDIRS:clobber: local_clobber    @!\
    @!\
local_clean::    @@\
if test -f core; then $(RM) core; fi @@\

```

```

$(RM) *~ *.o @!\
    @!\
local_realclean:: local_clean @!\
?TOP: $(RM) -r UU @!\
    @!\
local_clobber:: local_realclean @!\
%TOP: $(RM) Makefile config.sh @!\
?TOP: $(RM) config.sh config.h @!\
?TOP: $(RM) -r .config @!\
?TOP: $(RM) Makefile @!\

/*
* InstallTarget:
* Generate rules to recursively install files
*/
#define InstallTarget() @!\
?SUBDIRS:install:: local_install sub_install @!\
%SUBDIRS:install:: local_install @!\
?SUBDIRS:install.man:: maybe_install.man sub_install.man @!\
%SUBDIRS:install.man:: maybe_install.man @!\
?SUBDIRS:deinstall:: sub_deinstall local_deinstall @!\
%SUBDIRS:deinstall::
    local_deinstall @!\
?SUBDIRS:deinstall.man:: sub_deinstall.man maybe_deinstall.man @!\
%SUBDIRS:deinstall.man:: maybe_deinstall.man @!\
    @!\
?MANSRC:install.man-yes: local_install.man @!\
install.man-no: @!\
?MANSRC:deinstall.man-yes: local_deinstall.man @!\
deinstall.man-no: @!\

/*
* TagsTarget:
* Generate rules to compute tags files for C source code.
*/
#define TagsTarget() @!\
tags:: @@\
$(CTAGS) -w *.[ch] @@\
$(CTAGS) -xw *.[ch] > tags @!\
    @!\
local_clobber:: @@\
$(RM) tags

/*

```

```

* BuildMakefileSH:
* Generate rules to build a Makefile.SH from an Jmakefile and any
* special jmake flags. This is generally done automatically by the
* template or by any special Jmakefiles.
* This function will simply touch Makefile.SH if no $(TOP)/.package
* exists, assuming the Jmakefile is not in a production environment.
*/
#define BuildMakefileSH(jmakeflags) @!\
Makefile.SH:
Jmakefile  @@\
-@if test -f $(TOP)/.package; then \ @@\
if test -f Makefile.SH; then \ @@\
echo " $(RM) Makefile.SH~; $(MV) Makefile.SH Makefile.SH~"; \ @@\
$(RM) Makefile.SH~; $(MV) Makefile.SH Makefile.SH~; \ @@\
fi; \  @@\
echo " $(JMAKE) -DTOPDIR=$(TOP) -DCURDIR=$(CURRENT)" jmakeflags; \ @@\
$(JMAKE) -DTOPDIR=$(TOP) -DCURDIR=$(CURRENT) jmakeflags; \ @@\
else touch $@; fi

/*
* BuildMakefile:
* Generate rules to build a Makefile from a Makefile.SH.
*/
#define BuildMakefile() @!\
Makefile: Makefile.SH  @@\
/bin/sh Makefile.SH

/*
* MakefileTarget:
* Generate rules to build a normal Makefile.
*/
#define MakefileTarget() @!\
BuildMakefileSH(^)  @!\
BuildMakefile()

/*
* NormalObjectRule:
* Generate make rule to build usual object files.
*/
#define NormalObjectRule() @!\
|once _ObjectRule_  @!\
|rule:.c.o:  @!\
|rule: $(CC) -c $(JCFLAGS) $< @!\
|rule:  @!\
-once

```

```

/*
* NormalLibraryObjectRule:
* Generate make rules to build
"normal" objects.
*/
#define NormalLibraryObjectRule() @!\
|once _ObjectRule_ @!\
|rule:.c.o: @!\
|rule: $(RM) $@ @!\
|rule: $(CC) -c $(JCFLAGS) $< @!\
|rule: @!\
-once

/*
* ProfiledLibraryObjectRule:
* Generate make rules to build both profiled and "normal" objects.
*/
#define ProfiledLibraryObjectRule() @!\
all:: @@\
@if [ ! -d profiled ]; then mkdir profiled; fi @!\
@!\
|rule:.c.o: @!\
|rule: $(RM) $@ profiled/$@ @!\
|rule: $(CC) -pg -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o profiled/$*.o @!\
|rule: $(CC) -c $(JCFLAGS) $*.c @!\
|rule: @!\
local_clean:: @@\
-@if [ -d profiled ]; then echo " $(RM) profiled/*.*"; \ @@\
$(RM) profiled/*.*; fi

/*
* DebuggedLibraryObjectRule:
* Generate make rules to build both debuggable and "normal"
* objects.
*/
#define DebuggedLibraryObjectRule() @!\
all:: @@\
@if [ ! -d debugger ]; then mkdir debugger; fi @!\
@!\
|rule:.c.o: @!\
|rule: $(RM) $@
debugger/$@ @!\
|rule: $(CC) -g -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o debugger/$*.o @!\
|rule: $(CC) -c $(JCFLAGS) $*.c @!\

```

```

|rule:    @!\
local_clean::    @@\
-@if [ -d debugger ]; then echo " $(RM) debugger/?*.o"; \ @@\
$(RM) debugger/?*.o; fi

/*
* DebuggedAndProfiledLibraryObjectRule:
* Generate make rules to build debuggable, profiled, and "normal"
* objects.
*/
#define DebuggedAndProfiledLibraryObjectRule() @!\
all::    @@\
    @if [ ! -d profiled ]; then mkdir profiled; fi @@\
    @if [ ! -d debugger ]; then mkdir debugger; fi @!\
    @!\
|rule:.c.o:    @!\
|rule: $(RM) $@ profiled/$@ debugger/$@ @!\
|rule: $(CC) -pg -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o profiled/$*.o @!\
|rule: $(CC) -g -c $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o debugger/$*.o @!\
|rule: $(CC) -c $(JCFLAGS) $*.c @!\
|rule:    @!\
local_clean::    @@\
-@if [ -d profiled ]; then echo " $(RM) profiled/?*.o"; \ @@\
$(RM) profiled/?*.o; fi @@\
-@if [ -d debugger ];
then echo " $(RM) debugger/?*.o"; \ @@\
$(RM) debugger/?*.o; fi

/*
* SharedLibraryObjectRule:
* Generate make rules to build shared and "normal" object files.
*/
#define SharedLibraryObjectRule() @!\
all::    @@\
    @if [ ! -d shared ]; then mkdir shared; fi @!\
    @!\
|rule:.c.o:    @!\
|rule: $(RM) $@ shared/$@ @!\
|rule: $(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule: $(MV) $*.o shared/$*.o @!\
|rule: $(CC) -c $(SHLIBDEF) $(JCFLAGS) $*.c @!\
|rule:    @!\
local_clean::    @@\
-@if [ -d shared ]; then echo " $(RM) shared/?*.o"; \ @@\

```

```
$(RM) shared/?*.o; fi
```

```
/*
```

```
* SharedAndDebuggedLibraryObjectRule:  
* Generate make rules to build shared, debuggable, and "normal"  
* object files.
```

```
*/
```

```
#define SharedAndDebuggedLibraryObjectRule() @!\
```

```
all::      @@\
```

```
  @if [ ! -d shared ]; then mkdir shared; fi @@\
```

```
  @if [ ! -d debugger ]; then mkdir debugger; fi @!\
```

```
    @!\
```

```
|rule:.c.o:      @!\
```

```
|rule: $(RM) $@ shared/$@ debugger/$@ @!\
```

```
|rule:
```

```
  $(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) $*.c @!\
```

```
|rule: $(MV) $*.o shared/$*.o @!\
```

```
|rule: $(CC) -g -c $(SHLIBDEF) $(JCFLAGS) $*.c @!\
```

```
|rule: $(MV) $*.o debugger/$*.o @!\
```

```
|rule: $(CC) -c $(SHLIBDEF) $(JCFLAGS) $*.c @!\
```

```
|rule:      @!\
```

```
local_clean::    @@\
```

```
  -@if [ -d shared ]; then echo " $(RM) shared/?*.o"; \ @@\
```

```
  $(RM) shared/?*.o; fi @@\
```

```
  -@if [ -d debugger ]; then echo " $(RM) debugger/?*.o"; \ @@\
```

```
  $(RM) debugger/?*.o; fi
```

```
/*
```

```
* SpecialSharedAndDebuggedObjectRule:  
* Generate rules to compile a file with special flags and to make  
* shared and debuggable versions.
```

```
*/
```

```
#define SpecialSharedAndDebuggedObjectRule(objs,depends,options) @!\
```

```
all::      @@\
```

```
  @if [ ! -d shared ]; then mkdir shared; fi @@\
```

```
  @if [ ! -d debugger ]; then mkdir debugger; fi @!\
```

```
    @!\
```

```
objs: depends  @@\
```

```
  $(RM) $@ shared/$@ debugger/$@ @@\
```

```
  $(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) options $*.c @@\
```

```
  $(MV) $*.o shared/$*.o @@\
```

```
  $(CC)
```

```
  -g -c $(SHLIBDEF) $(JCFLAGS) options $*.c @@\
```

```
  $(MV) $*.o debugger/$*.o @@\
```

```
  $(CC) -c $(SHLIBDEF) $(JCFLAGS) options $*.c
```

```
/*
```

```
* SpecialSharedObjectRule:
```



```

* Generate rules to compile a file with special flags and to make
* shared and debuggable versions.
*/
#define SpecialSharedObjectRule(objs,depends,options) @!\
all::    @@\
    @if [ ! -d shared ]; then mkdir shared; fi @!\
        @!\
objs: depends    @@\
$(RM) $@ shared/$@    @@\
$(CC) -pic -c $(SHARED_CODEDEF) $(SHLIBDEF) $(JCFLAGS) options $*.c @@\
$(MV) $*.o shared/$*.o    @@\
$(CC) -c $(SHLIBDEF) $(JCFLAGS) options $*.c

```

```

/*
* SpecialObjectRule:
* Generate rules to compile a file with special flags.
*/
#define SpecialObjectRule(objs,depends,options) @!\
objs: depends    @@\
$(RM) $@    @@\
$(CC) -c $(JCFLAGS) options $*.c

```

```

/*
* SpecialProfiledObjectRule:
* Generate rules to compile a file with special flags and to make a
* profiled version.
*/
#define SpecialProfiledObjectRule(objs,depends,options) @!\
all::    @@\
    @if
    [ ! -d profiled ]; then mkdir profiled; fi @!\
        @!\
objs: depends    @@\
$(RM) $@ profiled/$@    @@\
$(CC) -pg -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o profiled/$*.o    @@\
$(CC) -c $(JCFLAGS) options $*.c

```

```

/*
* SpecialDebuggedObjectRule:
* Generate rules to compile a file with special flags and to make a
* debuggable version.
*/
#define SpecialDebuggedObjectRule(objs,depends,options) @!\
all::    @@\

```

```

@if [ ! -d debugger ]; then mkdir debugger; fi @!\
    @!\
objs: depends    @@\
$(RM) $@ debugger/$@  @@\
$(CC) -g -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o debugger/$*.o  @@\
$(CC) -c $(JCFLAGS) options $*.c

/*
* SpecialDebuggedAndProfiledObjectRule:
* Generate rules to compile a file with special flags and to make
* debuggable and profiled versions.
*/
#define SpecialDebuggedAndProfiledObjectRule(objs,depends,options) @!\
all::    @@\
@if [ ! -d profiled ]; then mkdir profiled; fi @@\
@if [ ! -d
debugger ]; then mkdir debugger; fi @!\
    @!\
objs: depends    @@\
$(RM) $@ profiled/$@ debugger/$@  @@\
$(CC) -pg -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o profiled/$*.o  @@\
$(CC) -g -c $(JCFLAGS) options $*.c @@\
$(MV) $*.o debugger/$*.o  @@\
$(CC) -c $(JCFLAGS) options $*.c

/*
* NormalLibraryTarget:
* Generate rules to create a library. The 'srclist' and 'objlist'
* parameters are added to SOURCES and OBJECTS macros. The 'srclist'
* is not otherwise used by this rule, but is necessary for make depend.
*/
#define NormalLibraryTarget(libname,srclist,objlist) @!\
++OBJECTS objlist @!\
++SOURCES srclist @!\
NormalLibraryObjectRule() @!\
AllTarget(lib^^libname.a) @!\
    @!\
lib^^libname.a: objlist  @@\
$(RM) $@  @@\
$(AR) $@ objlist  @@\
$(RANLIB) $@

/*

```

```

* NormalSharedLibraryTarget:
* Generate rules to create a shared library; build it into a
* different name so that the we don't hose people by having the
* library gone for long periods.
*/
#define
NormalSharedLibraryTarget(libname,rev,solist) @!\
AllTarget(lib^^libname.so.rev) @!\
    @!\
lib^^libname.so.rev: solist @@\
$(RM) $@~ @@\
(cd shared; $(LD) -o ../$@~ -assert pure-text solist) @@\
$(RM) $@ @@\
$(MV) $@~ $@

/*
* NormalSharedLibraryDataTarget:
* Generate rules to create shlib data file; build it into a
* different name so that the we don't hose people by having the
* library gone for long periods.
*/
#define NormalSharedLibraryDataTarget(libname,rev,salist) @!\
AllTarget(lib^^libname.sa.rev) @!\
    @!\
lib^^libname.sa.rev: salist @@\
$(RM) $@ @@\
$(AR) $@ salist @@\
$(RANLIB) $@

/*
* NormalLibraryTarget2:
* Generate rules to create a library in two steps. This is used to
* create libraries with large numbers of files.
*/
#define NormalLibraryTarget2(libname,srclist,objlist1,objlist2) @!\
++SOURCES srclist @!\
++OBJECTS objlist1 @!\
++OBJECTS objlist2 @!\
NormalLibraryObjectRule() @!\
AllTarget(lib^^libname.a) @!\
    @!\
lib^^libname.a:
objlist1 objlist2 @@\
$(RM) $@ @@\
$(AR) $@ objlist1 @@\
$(AR) $@ objlist2 @@\
$(RANLIB) $@

```

```

/*
* ProfiledLibraryTarget:
* Generate rules to create a profiled library.
*/
#define ProfiledLibraryTarget(libname,srclist,objlist) @!\
++SOURCES srclist @!\
++OBJECTS objlist @!\
AllTarget(lib^^libname^^_p.a) @!\
    @!\
lib^^libname^^_p.a: objlist @@\
$(RM) $@    @@\
cd profiled; $(AR) ../$@ objlist @@\
$(RANLIB) $@

/*
* DebuggedLibraryTarget:
* Generate rules to create a debuggable library.
*/
#define DebuggedLibraryTarget(libname,srclist,objlist) @!\
++SOURCES srclist @!\
++OBJECTS objlist @!\
AllTarget(lib^^libname^^_d.a) @!\
    @!\
lib^^libname^^_d.a: objlist @@\
$(RM) $@    @@\
cd debugger; $(AR) ../$@ objlist @@\
$(RANLIB) $@

/*
* AliasedLibraryTarget:
* Generate rules to link one library to another.
*/
#define AliasedLibraryTarget(libname,alias) @!\
AllTarget(lib^^alias.a) @!\
    @!\
lib^^alias.a:
lib^^libname.a @@\
$(RM) $@    @@\
$(LN) lib^^libname.a $@

/*
* PrelinkedRelocatableTarget:
* Generate rules to produce a relocatable object file instead of a

```

```

* library.
*/
#define PrelinkedRelocatableTarget(objname,objlist,libs) @!\
AllTarget(objname.o) @!\
    @!\
objname.o: objlist @@\
$(RM) $@ @@\
$(LD) $(JLDFLAGS) -r objlist -o $@ libs

/*
* NormalObjectTarget:
* Generate rules to produce a single object file.o from a file.c.
*/
#define NormalObjectTarget(file) @!\
++SOURCES file^.c @!\
AllTarget(file^.o) @!\
NormalObjectRule()

/*
* NormalRelocatableTarget:
* Generate rules to produce a relocatable object file instead of a
* library.
*/
#define NormalRelocatableTarget(objname,objlist) @!\
AllTarget(objname.o) @!\
    @!\
objname.o: objlist @@\
$(RM) $@ @@\
$(LD) $(JLDFLAGS) -r objlist -o $@

/*
* ProfiledRelocatableTarget:
* Generate rules to produce a profiled relocatable object file
* instead
* of a library.
*/
#define ProfiledRelocatableTarget(objname,objlist) @!\
AllTarget(objname^_p.o) @!\
    @!\
objname^_p.o: objlist @@\
$(RM) $@ @@\
$(LD) -X -r objlist -o $@

/*
* DebuggedRelocatableTarget:

```

```

* Generate rules to produce a debuggable relocatable object file
* instead of a library.
*/
#define DebuggedRelocatableTarget(objname,objlist) @!\
AllTarget(objname^^_d.o) @!\
    @!\
objname^^_d.o: objlist  @@\
$(RM) $@  @@\
$(LD) -X -r objlist -o $@

/*
* LintLibraryTarget:
* Generate rules to create a lint library. Note that the lint
* library is always forced to be newer than the library itself.
*/
#define LintLibraryTarget(libname,srclist) @!\
lintlib:: llib-l^^libname.ln @!\
    @!\
llib-l^^libname.ln: srclist  @@\
$(RM) $@  @@\
$(LINT) $(LINTLIBFLAG)^^libname $(LINTFLAGS) srclist

/*
* NormalLintTarget:
* Generate rules to lint a set of sources.
*/
#define NormalLintTarget(srclist) @!\
lint:  @@\
$(LINT) $(LINTFLAGS) srclist
$(LINTLIBS)

/*
* LintTarget:
* Generate rules to lint $(SOURCES) (automatically generated)
*/
#define LintTarget() @!\
|once _LintTarget_ @!\
NormalLintTarget($(SOURCES)) @!\
-once

/*
* LinkSourceFile:
* Snag source file from some other directory
*/
#define LinkSourceFile(src,dir) @!\

```

```
src: dir/src @@\  
$(RM) $@ @@\  
$(LN) $? $@ @!\
```

```
/*
```

```
* MakeSubincludesForBuild:
```

```
* Make includes in sub directories.
```

```
*/
```

```
#define MakeSubincludesForBuild(step,dir,srclist) @!\
```

```
step:: dir srclist @@\  
@-(list=`echo srclist | sed -e 's/[^ ]*///g^'; \ @@\  
set -x; cd dir; $(RM) $$list @@\  
@for i in srclist; do \ @@\  
(set -x; cd dir; $(LN) ../$$i .) || exit 1; \ @@\  
done @@\  
@!\
```

```
MakeDirectories(dir,dir) @!\
```

```
@!\
```

```
local_realclean: @@\  
@-(if [ -d dir ]; then \ @@\  
list=`echo srclist | sed -e 's/[^ ]*///g^'; \ @@\  
set -x; cd dir; $(RM) $$list; fi
```

```
/*
```

```
* CommonSubdirsRule:
```

```
* Rule for making $(TARGET) in
```

```
every subdirectory, with $(VERB) as
```

```
* verbose message and $(FLAGS) as additional flags.
```

```
*/
```

```
#define CommonSubdirsRule(dirs) @!\
```

```
subdirs: @@\  
@case '${MFLAGS}' in *[ik]*) set +e;; esac; \ @@\  
for i in dirs ;\ @@\  
do \ @@\  
(cd $$i ; echo $(VERB) "in $(DIR)$$i..."; \ @@\  
$(MAKE) $(MFLAGS) $(FLAGS) $(TARGET)) || exit 1; \ @@\  
done
```

```
/*
```

```
* NamedTargetSubdirsRule:
```

```
* Recursively make a series of steps in the specified directories.
```

```
*/
```

```
#define NamedTargetSubdirsRule(dirs,name,verb,flags) @!\
```

```
name:: @@\  
@case '${MFLAGS}' in *[ik]*) set +e;; esac; \ @@\  
@for i in dirs ;\ @@\  
do \ @@\  
(cd $$i ; echo $(VERB) "in $(DIR)$$i..."; \ @@\  
$(MAKE) $(MFLAGS) $(FLAGS) $(TARGET)) || exit 1; \ @@\  
done
```

```

for i in dirs ;\  @@\
do \    @@\
(cd $$i ; echo verb "in $(DIR)$$i..."; \ @@\
$(MAKE) $(MFLAGS) flags name) || exit 1; \ @@\
done

/*
* NamedTargetSubdirs:
* Recursively make a series of steps.
*/
#define NamedTargetSubdirs(name,verb,flags) @!\
name::    @@\
@$(MAKE) subdirs TARGET=name VERB=verb FLAGS=flags

/*
* NamedSubTargetSubdirs:
* Recursively make a series of steps,
like NamedTargetSubdirs.
* However, the supplied "name" has "sub_" prefixed to it.
*/
#define NamedSubTargetSubdirs(name,verb,flags) @!\
sub_^^name::    @@\
@$(MAKE) subdirs TARGET=name VERB=verb FLAGS=flags

/*
* NamedDepthTargetSubdirs:
* Recursively make a series of steps. We first enter the
* subdirectories, then perform the local entries.
* The supplied "name" has "sub_" prefixed to it.
*/
#define NamedDepthTargetSubdirs(name,verb,flags) @!\
sub_^^name::    @@\
@$(MAKE) subdirs TARGET=name VERB=verb FLAGS=flags @@\
@echo "Back to $(CURRENT) for "name^^...

/*
* MakeSubdirs:
* Generate rules to do makes in the given subdirectories.
*/
#define MakeSubdirs() \
NamedTargetSubdirs(all,"Making all",^^)

/*
* DependDirs:

```



```

* Generate rules to recursively compute dependencies as part of the
* make depend step.
*/
#define DependDirs(dirs) \
NamedTargetSubdirsRule(dirs,depend,"Depending",^^)

/*
* DependSubdirs:
* Generate rules to recursively compute dependencies
as part of the
* make depend step.
*/
#define DependSubdirs() \
DependDirs($(SUBDIRS))

/*
* InstallSubdirs:
* Generate rules to recursively install and deinstall programs and
* files.
*/
#define InstallSubdirs() \
NamedSubTargetSubdirs(install,"Installing",^^) @!\
NamedDepthTargetSubdirs(deinstall,"Deinstalling",^^)

/*
* InstallManSubdirs:
* Generate rules to recursively install and deinstall manual pages.
*/
#define InstallManSubdirs() \
NamedSubTargetSubdirs(install.man,"Installing man pages",^^) @!\
NamedDepthTargetSubdirs(deinstall.man,"Deinstalling man pages",^^)

/*
* IncludesSubdirs:
* Generate rules to recursively put include files in build
*/
#define IncludesSubdirs() \
NamedTargetSubdirs(includes,including,^^)

/*
* CleanSubdirs:
* Generate rules to recursively clean out garbage files.
*/

```

```

#define CleanSubdirs() \
NamedDepthTargetSubdirs(clean,"Cleaning",^^) @!\
NamedDepthTargetSubdirs(realclean,"Real cleaning",^^) @!\
NamedDepthTargetSubdirs(clobber,"Clobbering",^^)

/*
 * TagSubdirs:
 * Generate rules to recursively create tags files.
 */
#define TagSubdirs(dirs) \
NamedTargetSubdirsRule(dirs,tag,"Tagging",^^)

/*
 * MakeLintSubdirs:
 * Generate rules to recursively lint directories as part of the
 * named step.
 */
#define MakeLintSubdirs(dirs,target) \
NamedTargetSubdirsRule(dirs,target,"Linting",^^)

/*
 * LintDirs:
 * Generate rules to recursively lint directories as part of the
 * make lint step.
 */
#define LintDirs(dirs) \
MakeLintSubdirs(dirs,lint)

/*
 * LintSubdirs:
 * Generate rules to recursively lint directories as part of the
 * make lint step.
 */
#define LintSubdirs() \
LintDirs($(SUBDIRS))

/*
 * MakeDirs:
 * Creates a set of directories, even if some directories in the path
 * do not already exist. There should be no '@!' at the end of the
 * '#define' line, because this macro is used *inside* building rules.
 */
#define MakeDirs(dirs) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\

```

```

for dir in dirs;
do \    @@\
(set -x; test -d $$dir || $(INSTALLDIR) $$dir) || \ @@\
exit 1; \ @@\
done

/*
*_MakeInstallDirs:
* Creates a set of intall directories, even if some directories in the path
* do not already exist. There should be no '@!' at the end of the
* '#define' line, because this macro is used *inside* building rules.
*/
#define _MakeInstallDirs(dirs) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
for dir in dirs; do \    @@\
_MakeInstallDir($$dir) \    @@\
done

/*
*_MakeInstallDir:
* Internal macro to create a missing install directory.
*/
#define _MakeInstallDir(dir) \
(set -x; test -d $(INSTALL_PREFIX)^dir || \ @@\
$(INSTALLDIR) $(INSTALL_PREFIX)^dir);

/*
*_MakeInstallDirIgnore:
* Same as _MakeInstallDir but handles "make -i" as well.
*/
#define _MakeInstallDirIgnore(dir) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
_MakeInstallDir(dir)

/*
*_RmInstallDirs:
* Removes a set of intall directories.
* There should be no '@!'
at the end of the '#define' line, because this
* macro is used *inside* building rules.
*/
#define _RmInstallDirs(dirs) \
@case '${MFLAGS}' in *[i]*) set +e;; esac; \ @@\
for dir in dirs; do \    @@\
(set -x; test -d $$dir && $(RM) -r $(INSTALL_PREFIX)$$dir); \ @@\
done

/*

```

```

* MakeDirectories:
* Generate rules to create a hierarchy of directories.
*/
#define MakeDirectories(step,dirs) @!\
step::    @@\
MakeDirs(dirs)

/*
* MakeInstallDirectories:
* Generate a rule to create a set of directories at installation
* time (removed by deinstall).
*/
#define MakeInstallDirectories(dirs) @!\
local_install::  @@\
  _MakeInstallDirs(dirs) @!\
    @!\
local_deinstall:: @@\
  _RmInstallDirs(dirs)

/*
* MakeLintLibSubdirs:
* Generate rules to recursively create lint libraries.
*/
#define MakeLintLibSubdirs(dirs) @!\
MakeLintSubdirs(dirs,lintlib)

/*
* MakeMakeSubdirs:
* Generate rules to recursively recreate target as part of the
* specified step in the build.
  This assumes Makefile.SH has
* already been built (which is the case for a delivery), but does
* not rely on the existence of a Makefile.
*/
#define MakeMakeSubdirs(target) @!\
target::    @@\
  @case '${MFLAGS}' in *[ik]*) set +e;; esac; \ @@\
  for i in $(SUBDIRS); \ @@\
  do \    @@\
  echo "Making "target" in $(DIR)$i..."; \ @@\
  (cd $$i || exit 1; \ @@\
  if test ! -f Makefile; then /bin/sh Makefile.SH; fi; \ @@\
  $(MAKE) $(MFLAGS) target) || exit 1; \ @@\
done

```

```

/*
* MakeMakefilesSH:
* Generate rules to recursively recreate target as part of the
* specified step in the build. If $(TOP) is set to an absolute
* path, don't prepend the ../ prefix. This makes running things
* outside of the source tree to be much easier.
*/
#define MakeMakefilesSH() @!\
Makefiles.SH: Makefile.SH  @@\
@case '{$MFLAGS}' in *[ik]*) set +e;; esac; \ @@\
for i in $(SUBDIRS); \  @@\
do \  @@\
case "$(DIR)$i" in \  @@\
^^*^^/^^*^^/^^*^^/^^*^^) newtop=../../..;;
\ @@\
^^*^^/^^*^^/^^*^^) newtop=../..;; \  @@\
^^*^^/^^*^^) newtop=../..;; \  @@\
*^^) newtop=..;; \  @@\
esac; \  @@\
case "$(TOP)" in \  @@\
/^^*) newtop="$(TOP)" ;; \  @@\
esac; \  @@\
echo "Making Makefiles.SH in $(DIR)$i..."; \ @@\
(cd $i || exit 1; \  @@\
if test -f Jmakefile; then \ @@\
$(MAKE) $(MFLAGS) -f ../Makefile \ @@\
Makefile TOP=$$newtop CURRENT=$(DIR)$i && \ @@\
$(MAKE) $(MFLAGS) Makefiles.SH; \ @@\
fi; \  @@\
) || exit 1; \ @@\
done

/*
* MakefileSubdirs:
* Generate rules to create Makefiles.
*/
#define MakefileSubdirs() @!\
MakeMakeSubdirs(Makefiles) @!\
MakeMakefilesSH()

/*
* CppScriptTarget:
* Generate rules to create a shell script by running the input
* through cpp.
*/

```

```

#define CppScriptTarget(dst,src,defs,deplist) @!\
dst: src deplist  @@\
$(RM) $@  @@\
$(CPP) defs <src | \  @@\
sed -e '/^# *[0-9][0-9]* *.*$$/d' >$@  @@\
chmod a+x $@

/*
 * MakeScriptFromCpp:
 * Generate rules to create a script from a file with a
 * .cpp suffix.
 */
#define MakeScriptFromCpp(name,defs) @!\
CppScriptTarget(name,name.cpp,defs,^^)

/*
 * ShellScriptTargetExt:
 * Generate rules to create and install a set of scripts from
 * ext files (.sh and .SH are the most common examples). Man pages
 * derived from the name of the scripts are also installed unless
 * NoManPages() is specified.
 */
#define ShellScriptTargetExt(scripts,ext) @!\
++SCRIPTS scripts @!\
SimpleShellScriptTargetExt(scripts,ext) @!\
InstallScripts()  @!\
InstallManScripts()

/*
 * ShellScriptTarget:
 * Generate rules to create and install a set of scripts from
 * .SH files. Man pages derived from the name of the scripts are
 * also installed unless NoManPages() is specified.
 */
#define ShellScriptTarget(scripts) @!\
ShellScriptTargetExt(scripts,.SH)

/*
 * SimpleShellScriptTargetExt:
 * Generate rules to create a set of scripts from ext files where
 * ext is usually
 * something like .sh or .SH, or whatever file
 * extension you like..
 */

```

```

#define SimpleShellScriptTargetExt(scripts,ext) @!\
AllTarget(scripts) @!\
    @!\
|expand s!scripts! @!\
!s: !s^^ext @@\
/bin/sh !s^^ext @!\
    @!\
-expand

/*
* SimpleShellScriptTarget:
* Generate rules to create a set of scripts from .SH files.
*/
#define SimpleShellScriptTarget(scripts) @!\
SimpleShellScriptTargetExt(scripts, .SH)

/*
* ShellScriptLongTarget:
* Generate rules to create a set of scripts from .SH files where
* the name of the generated file is different from the basename of
* the .SH file (when, for instance, the total length with the .SH
* extension would not leave enough space for RCS ,v extension).
*/
#define ShellScriptLongTarget(basename,scriptname) @!\
++LSCRIPTS scriptname @!\
AllTarget(scriptname) @!\
    @!\
scriptname: basename^^.SH @@\
/bin/sh basename^^.SH @!\
    @!\
InstallScripts() @!\
?NOMAN:|skip @!\
InstallManPageLong(basename,$(MANSRC),scriptname) @!\
-skip

/*
* ForceTarget:
* The force target will force reconstruction of all the other
* targets which include .FORCE in their own dependencies.
*/
#define ForceTarget() @!\
|once _force_ @!\
.FORCE: @!\
    @!\
-once

```

```

/*
* RemoteTargetDependency:
* A local target may rely on a remote dependency (e.g. a library)
* made in a separate directory. This rule explicits the dependency
* and forces a make of that dependency in the remote directory.
*/
#define RemoteTargetDependency(target,directory,dependency) @!\
RemoteDependency(directory,dependency) @!\
target: directory/^^^dependency @!\

```

```

/*
* RemoteDependency:
* Specify rules for making a remote dependency.
*/
#define RemoteDependency(directory,dependency) @!\
ForceTarget() @!\
|once =directory/^^^dependency= @!\
directory/^^^dependency: .FORCE @@\
@echo "Checking "^^^dependency" in "^^^directory"..." @@\
cd ^^^directory; $(MAKE) ^^^dependency @@\
@echo "Continuing in $(CURRENT)..." @!\
@!\
-once

```

```

/*
* SetSubdirs:
* Actually forces the definition of SUBDIRS, and lets the user
* specify what the sub-directories are. This will be added to the
* customization part.
*/
#define SetSubdirs(subdirs) @!\
>SUBDIRS @!\
+SUBDIRS = subdirs

```

```

/*
* NoManPages:
* Actually forces the definition of NOMAN, which tells the jmake
* program to not generate rules for installing manual pages.
*/
#define NoManPages() @!\
>NOMAN

```

```

/*

```



```
* Expand:
* This powerful macro expands the `rule' given a `pattern'. It
* relies on a built-in command in jmake. The expansion is
* documented in the short notes file that comes with jmake and
* gives some insights on the internal syntax.
```

```
*/
```

```
#define Expand(rule, pattern) @!\
|expand pattern @!\
rule @!\
-expand
```

```
/*
```

```
* Lex and yacc stuff.
```

```
*/
```

```
/*
```

```
* YaccRule:
```

```
* This is the rule which is used to build a .c file from a .y file.
```

```
*/
```

```
#define YaccRule() @!\
AddSuffix(.y) @!\
|once _YaccRule_ @!\
|rule:.y.c: @!\
|rule: $(YACC) $(JYFLAGS)
$< @!\
|rule: $(MV) y.tab.c $@ @!\
|rule: @!\
-once
```

```
/*
```

```
* SimpleYaccTarget:
```

```
* Declare a yacc base.y file to be used in the building of the
* specified target program. The source file must be given without
* its final .y extension. The name of the .c and .o will be
* derived from the source file basename provided.
```

```
*/
```

```
#define SimpleYaccTarget(program,base) @!\
++SOURCES base.y @!\
++OBJECTS base.o @!\
YaccRule() @!\
program: base.c @!\
    @!\
local_realclean:: @@\
$(RM) base.c @!\
```

```
/*
```

- \* ComplexYaccTarget:
- \* Declare a yacc base.y file to be used in the building of the
- \* specified target program. The source file must be given without
- \* its final .y extension. The name of the .c and .o will be
- \* derived from the source file basename provided.
- \* The difference with SimpleYaccTarget is the identifying process
- \* where all the 'yy' are replaced by the specified prefix.

```
*/
#define ComplexYaccTarget(program,base,prefix) @!\
++SOURCES base.y @!\
++OBJECTS base.o
@!\
program: base.c @!\
    @!\
base.c: base.y @ @\
$(YACC) $(JYFLAGS) base.y @ @\
$(SED) -e 's/yy\(.)/prefix\1/g' < y.tab.c > base.c @ @\
$(SED) -e 's/yy\(.)/prefix\1/g' < y.tab.h > base.h @ @\
$(RM) y.tab.c y.tab.h @!\
    @!\
local_realclean:: @ @\
$(RM) base.c @!\
```

/\*

- \* SimpleYaccInclude:
- \* Declare that program will need an include file produced by
- \* the output of yacc on base.y, which typically produces a file
- \* named y.tab.h, which will be renamed as base.h.
- \* The only problem is that the dependencies towards base.h have
- \* to be manually given in the Jmakefile.

```
*/
#define SimpleYaccInclude(base) @!\
base.h: base.c @ @\
@if test -f y.tab.h; then \ @ @\
    echo " $(MV) y.tab.h $@"; \ @ @\
    $(MV) y.tab.h $@; \ @ @\
fi @!\
    @!\
local_realclean:: @ @\
$(RM) base.h
```

/\*

- \* ComplexYaccInclude:
- \* Declare that program will need an include file produced by
- \* the output of yacc on base.y, which typically produces a file
- \* named y.tab.h, which will

be renamed as base.h.

- \* The difference with SimpleYaccInclude is the identifying process
- \* of the y.tab.h file where all 'yy' are renamed to prefix.
- \* The only problem is that the dependencies towards base.h have
- \* to be manually given in the Jmakefile.

\*/

```
#define ComplexYaccInclude(base,prefix) @!\nbase.h: base.c @@\n@if test -f y.tab.h; then \ @@\necho " $(SED) -e 's/yy/(.)/prefix|1/g' < y.tab.h > base.h"; \ @@\n$(SED) -e 's/yy/(.)/prefix|1/g' < y.tab.h > base.h; \ @@\necho " $(RM) y.tab.h"; \ @@\n$(RM) y.tab.h; \ @@\nelif test -f base.h; then \ @@\necho " $(CP) base.h base.ht"; \ @@\n$(CP) base.h base.ht; \ @@\necho " $(SED) -e 's/yy/(.)/prefix|1/g' < base.ht > base.h"; \ @@\n$(SED) -e 's/yy/(.)/prefix|1/g' < base.ht > base.h; \ @@\necho " $(RM) base.ht"; \ @@\n$(RM) base.ht; \ @@\nfi    @!\n    @!\nlocal_realclean::  @@\n$(RM) base.h
```

/\*

- \* NormalYaccTarget:
- \* Declare a yacc base.y file which should produce a base.c and
- \* base.h file
- as derived from the output of yacc, to be used by
- \* the specified program.

\*/

```
#define NormalYaccTarget(program,base) @!\nSimpleYaccTarget(program,base) @!\nSimpleYaccInclude(base)
```

/\*

- \* IdentifiedYaccTarget:
- \* Declare a yacc base.y file which should produce a base.c and
- \* base.h file as derived from the output of yacc, to be used by
- \* the specified program. The specified prefix is used to remplace
- \* all the 'yy' in the generated file, for use when more than a
- \* single parser is needed in one executable.

\*/

```
#define IdentifiedYaccTarget(program,base,prefix) @!\nComplexYaccTarget(program,base,prefix) @!\
```

## ComplexYaccInclude(base,prefix)

```
/*
 * SimpleLexTarget:
 * This declares a lex base.l file which is to be ran through
 * lex to produce a base.c file.
 */
#define SimpleLexTarget(program,base) @!\
++SOURCES base.l @!\
++OBJECTS base.o @!\
|once _LexRule_ @!\
|rule:.l.c: @!\
|rule: $(LEX) $(JLFLAGS) $< @!\
|rule: $(MV) lex.yy.c $@ @!\
|rule: @!\
-once @!\
AddSuffix(.l) @!\
program:
base.c @!\
    @!\
local_realclean:: @@\
$(RM) base.c @!\
```

```
/*
 * IdentifiedLexTarget:
 * This declares a lex base.l file which is to be ran through
 * lex to produce a base.c file. The prefix is used to replace
 * the 'yy', so that the lexical analyzer may be identified.
 */
#define IdentifiedLexTarget(program,base,prefix) @!\
++SOURCES base.l @!\
++OBJECTS base.o @!\
program: base.c @!\
    @!\
base.c: base.l @@\
$(LEX) $(JLFLAGS) base.l @@\
$(SED) -e 's/yy\(.)/prefix\1/g' < lex.yy.c > base.c @@\
$(RM) lex.yy.c @!\
    @!\
local_realclean:: @@\
$(RM) base.c @!\
```

```
/*
 * NormalLexDependTarget:
 * Declare that program will need an include file produced by
```

```

* the output of lex on base.l, which typically produces a file
* named lex.yy.c which will be renamed as base.c. Besides, the
* lexical analyzer needs the file parser.h produced by running
* parser.y through yacc and renaming y.tab.h as parser.h.
*/
#define NormalLexDependTarget(program,base,parser)
    @!\
base.o: parser.h @!\
    @!\
SimpleLexTarget(program,base)

/*
* IdentifiedLexDependTarget:
* Declare that program will need an include file produced by
* the output of lex on base.l, which typically produces a file
* named lex.yy.c which will be renamed as base.c. Besides, the
* lexical analyzer needs the file parser.h produced by running
* parser.y through yacc and renaming y.tab.h as parser.h.
* The lexical analyzer is identified with the supplied prefix,
* which replaces the regular 'yy' prefix in the symbol names.
*/
#define IdentifiedLexDependTarget(program,base,parser,prefix) @!\
base.o: parser.h @!\
    @!\
IdentifiedLexTarget(program,base,prefix)

/*
* NormalParserTarget:
* Specify that program is using the lex/yacc combination to
* produce a parser. The lexic and parser parameters are the
* base name of the .l and .y file, respectively.
*/
#define NormalParserTarget(program,lexic,parser) @!\
NormalLexDependTarget(program,lexic,parser)
    @!\
NormalYaccTarget(program,parser)

/*
* IdentifiedParserTarget:
* Specify that program is using the lex/yacc combination to
* produce a parser. The lexic and parser parameters are the
* base name of the .l and .y file, respectively. The parser
* produced is identified via its prefix, which replaces all
* the normally supplied 'yy' prefix, hence making it possible
* to have multiple parsers in a single executable.

```

```
*/
#define IdentifiedParserTarget(program,lexic,parser,prefix) @!\
IdentifiedLexDependTarget(program,lexic,parser,prefix) @!\
IdentifiedYaccTarget(program,parser,prefix)
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/files/Jmake.rules
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sysresrc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysresrc.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:34 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Look wether <sys/resource.h> needs to be included
?X:
?MAKE:i_sysresrc: Inhdr
?MAKE: -pick add $@ %<
?S:i_sysresrc:
?S: This variable conditionally defines the I_SYS_RESOURCE symbol,
?S: and indicates whether a C program should include <sys/resource.h>.
?S:
?C:I_SYS_RESOURCE (I_SYSRESOURCE):
?C: This symbol, if defined, indicates
?C: to the C program that it should
?C: include <sys/resource.h>.
?C:
?H:#$i_sysresrc I_SYS_RESOURCE /**/
?H:
?LINT:set i_sysresrc
: see if sys/resource.h has to be included
set sys/resource.h i_sysresrc
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_sysresrc.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: sizetype.U,v 3.0.1.1 1994/08/29 16:32:10 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: sizetype.U,v $
?RCS: Revision 3.0.1.1 1994/08/29 16:32:10 ram
?RCS: patch32: created by ADO
?RCS:
?MAKE:sizetype: Myread Typedef
?MAKE: -pick add $@ %<
?S:sizetype:
?S: This variable defines sizetype to be something like size_t,
?S: unsigned long, or whatever type is used to declare length
?S: parameters for string functions.
?S:.
?C:Size_t:
?C: This symbol holds the type used
to declare length parameters
?C: for string functions. It is usually size_t, but may be
?C: unsigned long, int, etc. It may be necessary to include
?C: <sys/types.h> to get any typedef'ed information.
?C:.
?H:#define Size_t $sizetype /* length parameter for string functions */
?H:.
?LINT: set sizetype
: see what type is used for size_t
rp="What is the type used for the length parameter for string functions?"
set size_t sizetype 'unsigned int' stdio.h sys/types.h
eval $typedef_ask
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/sizetype.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_flexfnam.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```

?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_flexfnam.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:04 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_flexfnam: cat rm test Setvar
?MAKE: -pick add $@ %<
?S:d_flexfnam:
?S: This variable conditionally defines the FLEXFILENAMES symbol, which
?S: indicates that the system supports filenames longer than 14 characters.
?S:.
?C:FLEXFILENAMES:
?C: This symbol, if defined, indicates that the system supports filenames
?C: longer than 14
?C: characters.
?C:.
?H:#$d_flexfnam FLEXFILENAMES /**/
?H:.
?T:first
?LINT:set d_flexfnam
: see if we can have long filenames
echo " "
?X:
?X: We have to test in both /tmp and . because of NFS (remote server may allow
?X: long filenames while the local filesystem cannot support them). If at least
?X: one of those file systems cannot support long filenames, then we assume the
?X: whole system can't.
?X:
first=123456789abcdef
$rm -f $first
if (echo hi >$first) 2>/dev/null; then
if $test -f 123456789abcde; then
echo 'You cannot have filenames longer than 14 characters. Sigh.'>&4
val="$undef"
else
echo 'You can have filenames longer than 14 characters.'>&4
val="$define"
fi
else
$cat <<'EOM'
You can't have filenames longer than 14 chars.
You can't even think about them!

```



```
EOM
val="$undef"
fi
set d_flexfnam
eval $setvar
$rm -rf 123456789abcde*
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_flexfnam.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_safemcpy.U,v \$

?RCS: Revision 3.0.1.5 1997/02/28 15:41:12 ram

?RCS: patch61: improved overlapping copy check

?RCS: patch61: comfort them if they have memmove

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.4 1995/07/25 13:58:46 ram

?RCS: patch56: re-arranged compile line to include ldflags before objects

?RCS:

?RCS: Revision 3.0.1.3 1995/03/21 08:47:26 ram

?RCS: patch52: swapped two first arguments of memcpy() calls

?RCS:

?RCS: Revision 3.0.1.2 1994/10/29 16:15:10

ram

?RCS: patch36: added 'ldflags' to the test compile line (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 14:53:12 ram

?RCS: patch23: ensure string is not optimized in read-only memory (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:58 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_safemcpy: cat d\_memcpy +cc +optimize +cflags +libs +ldflags rm \

d\_memmove i\_memory i\_stdlib i\_string i\_unistd Oldconfig Setvar

?MAKE: -pick add \$@ %<

?S:d\_safemcpy:

?S: This variable conditionally defines the HAS\_SAFE\_MEMCPY symbol if

?S: the memcpy() routine can do overlapping copies.

?S:.

?C:HAS\_SAFE\_MEMCPY (SAFE\_MEMCPY):

?C: This symbol, if defined, indicates that the memcpy routine is available

?C: to copy potentially overlapping memory blocks. Otherwise you should

?C: probably use memmove() or memcpy(). If neither is defined, roll your

?C: own version.

?C:.

?H:#\$d\_safemcpy HAS\_SAFE\_MEMCPY /\*\*/

?H:.

?F:!safemcpy

?LINT: set d\_safemcpy

: can memcpy handle overlapping blocks?

?X:

assume the worst

val="\$undef"

case "\$d\_memcpy" in

"\$define")

echo " "

echo "Checking to see if your memcpy() can do overlapping copies..." >&4

\$cat >foo.c <<EOCP

#\$i\_memory I\_MEMORY

#\$i\_stdlib I\_STDLIB

#\$i\_string I\_STRING

#\$i\_unistd I\_UNISTD

EOCP

\$cat >>foo.c <<'EOCP'

#include <stdio.h>

#ifdef I\_MEMORY

# include <memory.h>

#endif

#ifdef I\_STDLIB

# include <stdlib.h>

#endif

#ifdef I\_STRING

# include <string.h>

#else

# include <strings.h>

#endif

#ifdef I\_UNISTD

# include <unistd.h> /\* Needed for NetBSD \*/

#endif

int main()

{

char buf[128], abc[128];

char \*b;

int len;

```

int off;
int align;

/* Copy "abcde..." string to char abc[] so that gcc doesn't
   try to store the string in read-only memory. */
memcpy(abc, "abcdefghijklmnopqrstuvwxy0123456789", 36);

```

```

for (align = 7; align >= 0; align--) {
for (len = 36; len; len--) {
    b = buf+align;
    memcpy(b, abc, len);
    for (off = 1; off <= len; off++) {
        memcpy(b+off, b, len);
        memcpy(b, b+off, len);
        if (memcmp(b, abc, len))
            exit(1);
    }
}
}
exit(0);
}

```

```

EOCP
if
$cc $optimize $ccflags $ldflags \
    -o safemcpy foo.c $libs >/dev/null 2>&1; then
if ./safemcpy 2>/dev/null; then
    echo "Yes, it can."
    val="$define"
else
    echo "It can't, sorry."
    case "$d_memmove" in
"$define") echo "But that's Ok since you have memmove()." ;;
esac
fi
else
    echo "(I can't compile the test program, so we'll assume not...)"
    case "$d_memmove" in
"$define") echo "But that's Ok since you have memmove()." ;;
esac
fi
;;
esac
$rm -f foo.* safemcpy core
set d_safemcpy
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
```

5.30.0/dist/U/d\_safemcpy.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getwd.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_getwd.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:18 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_getwd: Csym Setvar

?MAKE: -pick add \$@ %<

?S:d\_getwd:

?S: This variable conditionally defines HAS\_GETWD if getwd() is

?S: available to get working directory. If not, you should

?S: probably use getcwd().

?S:.

?C:HAS\_GETWD (GETWD):

?C: This symbol, if defined, indicates that the getwd routine is

?C: available to get working directory.

If not, you should

?C: probably use getcwd().

?C:.

?H:#\$d\_getwd HAS\_GETWD /\*\*/

?H:.

?LINT:set d\_getwd

: see if getwd exists

echo " "

if set getwd val -f d\_getwd; eval \$csym; \$val; then

echo 'getwd() found.' >&4

val="\$define"

else

echo 'getwd() not found. Assuming getcwd() exists.' >&4

val="\$undef"

fi

set d\_getwd

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/dist/U/d\_getwd.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_execinfo.U 34 2010-11-27 11:55:39Z rmanfredi $
?RCS:
?RCS: Copyright (c) 2011, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?MAKE:i_execinfo: Inhdr
?MAKE: -pick add $@ %<
?S:i_execinfo:
?S: This variable conditionally defines the I_EXECINFO symbol, and indicates
?S: whether a C program may include <execinfo.h>, for backtrace() support.
?S:.
?C:I_EXECINFO:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <execinfo.h> for backtrace() support.
?C:.
?H:#$i_execinfo I_EXECINFO /**/
?H:.
?LINT:set i_execinfo
: see if this is an execinfo.h system
set execinfo.h i_execinfo
eval
$inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_execinfo.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1998 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_atoll: Inlibc
?MAKE: -pick add $@ %<
?S:d_atoll:
?S: This variable conditionally defines the HAS_ATOLL symbol, which
?S: indicates to the C program that the atoll() routine is available.
?S:.
```

?C:HAS\_ATOLL:

?C: This symbol, if defined, indicates that the atoll routine is

?C: available to convert strings into long longs.

?C:.

?H:#\$d\_atoll HAS\_ATOLL /\*\*/

?H:.

?LINT:set d\_atoll

: see if atoll exists

set atoll d\_atoll

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/atoll.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: otherlibdirs.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999-2000, Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

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?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: otherlibdirs.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?RCS: Revision 1.1 1999/07/08 18:20:26 doughera

?RCS: Initial revision

?RCS:

?RCS:

?MAKE:otherlibdirs d\_perl\_otherlibdirs: Myread cat sitelib sitearch \  
vendorarch vendorlib Setvar

?MAKE: -pick add \$@ %<

?Y:TOP

?S:otherlibdirs:

?S: This variable contains a colon-separated set of paths for the perl

?S: binary to search for additional library files  
or modules.

?S: These directories will be tacked to the end of @INC.

?S: Perl will automatically search below each path for version-

?S: and architecture-specific directories. See inc\_version\_list

?S: for more details.

?S: A value of '' means 'none' and is used to preserve this value

?S: for the next run through Configure.

```

?S:.
?S:d_perl_otherlibdirs:
?S: This variable conditionally defines PERL_OTHERLIBDIRS, which
?S: contains a colon-separated set of paths for the perl binary to
?S: include in @INC. See also otherlibdirs.
?S:.
?C:PERL_OTHERLIBDIRS:
?C: This variable contains a colon-separated set of paths for the perl
?C: binary to search for additional library files or modules.
?C: These directories will be tacked to the end of @INC.
?C: Perl will automatically search below each path for version-
?C: and architecture-specific directories. See PERL_INC_VERSION_LIST
?C: for more details.
?C:.
?H:#$d_perl_otherlibdirs PERL_OTHERLIBDIRS "$otherlibdirs" /**/
?H:.
?LINT: set d_perl_otherlibdirs
:
  Final catch-all directories to search
$cat <<EOM

```

Lastly, you can have perl look in other directories for extensions and modules in addition to those already specified.

These directories will be searched after

```

$sitearch
$sitelib
EOM
test X"$vendorlib" != "X" && echo ' ' $vendorlib
test X"$vendorarch" != "X" && echo ' ' $vendorarch
echo ' '
case "$otherlibdirs" in
'|' ') dflt='none' ;;
*) dflt="$otherlibdirs" ;;
esac
$cat <<EOM

```

Enter a colon-separated set of extra paths to include in perl's @INC search path, or enter 'none' for no extra paths.

EOM

rp='Colon-separated list of additional directories for perl to search?'

```

./myread
case "$ans" in
'|'|none) otherlibdirs=' ' ;;
*) otherlibdirs="$ans" ;;
esac
case "$otherlibdirs" in
'|' ) val=$undef ;;

```

```
*) val=$define ;;
esac
set d_perl_otherlibdirs
eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/otherlibdirs.U
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* $Id: rename.C,v 3.0.1.1 1994/01/24 13:58:42 ram Exp ram $
```

```
*
```

```
* Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
*
```

```
* You may redistribute only under the terms of the Artistic Licence,
```

```
* as specified in the README file that comes with the distribution.
```

```
* You may reuse parts of this distribution only within the terms of
```

```
* that same Artistic Licence; a copy of which may be found at the root
```

```
* of the source tree for dist 4.0.
```

```
*
```

```
* $Log: rename.C,v $
```

```
* Revision 3.0.1.1 1994/01/24 13:58:42 ram
```

```
* patch16: created
```

```
*
```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/rename.C
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setpwent.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: $Log: d_setpwent.U,v $
```

```
?RCS:
```

```
?MAKE:d_setpwent: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_setpwent:
```

```
?S: This variable conditionally defines the HAS_SETPWENT symbol, which
```

```
?S: indicates to the C program that the setpwent() routine is available
```

```
?S: for initializing sequential access to the passwd database.
```

```
?S:.
```



?C:HAS\_SETPWENT:

?C: This symbol, if defined, indicates that the setpwent routine is

?C: available for initializing sequential access of the passwd database.

?C:.

?H:#\$d\_setpwent HAS\_SETPWENT /\*\*/

?H:.

?LINT:set d\_setpwent

: see if setpwent exists

set setpwent d\_setpwent

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setpwent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: perlsv.U,v 1.1 2000/08/31 17:53:56 jhi Exp jhi \$

?RCS:

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?RCS:

?MAKE:ivtype uvtype nvtype ivsize uvsize nvsize \  
i8type u8type i16type u16type i32type u32type i64type u64type \  
i8size u8size i16size u16size i32size u32size i64size u64size \  
d\_nv\_preserves\_uv nv\_preserves\_uv\_bits nv\_overflows\_integers\_at \  
d\_nv\_zero\_is\_allbits\_zero: \  
echo rm\_try use64bitint d\_quad quadtype uquadtype usequadmath \  
d\_longdbl uselongdouble longdblsize doublesize i\_quadmath \  
shortsize intsize longsize i\_stdlib libs gccversion \  
cat Compile i\_inttypes test signal\_t run

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?MAKE: -pick add \$@ %<

?S:ivtype:

?S: This variable contains the C type used for Perl's IV.

?S:.

?S:uvtype:

?S: This variable contains the C type

used for Perl's UV.

?S:.

?S:nvtype:

?S: This variable contains the C type used for Perl's NV.

?S:.

?S:i8type:

?S: This variable contains the C type used for Perl's I8.

?S:.

?S:u8type:

?S: This variable contains the C type used for Perl's U8.

?S:  
?S:i16type:  
?S: This variable contains the C type used for Perl's I16.  
?S:  
?S:u16type:  
?S: This variable contains the C type used for Perl's U16.  
?S:  
?S:i32type:  
?S: This variable contains the C type used for Perl's I32.  
?S:  
?S:u32type:  
?S: This variable contains the C type used for Perl's U32.  
?S:  
?S:i64type:  
?S: This variable contains the C type used for Perl's I64.  
?S:  
?S:u64type:  
?S: This variable contains the C type used for Perl's U64.  
?S:  
?S:ivsize:  
?S: This variable is the size of an IV in bytes.  
?S:  
?S:uvsize:  
?S: This variable is the size of a UV in bytes.  
?S:  
?S:i8size:  
?S: This variable is the size of an I8 in bytes.  
?S:  
?S:u8size:  
?S: This variable is the size of an U8 in bytes.  
?S:  
?S:i16size:  
?S: This variable is the  
size of an I16 in bytes.  
?S:  
?S:u16size:  
?S: This variable is the size of an U16 in bytes.  
?S:  
?S:i32size:  
?S: This variable is the size of an I32 in bytes.  
?S:  
?S:u32size:  
?S: This variable is the size of an U32 in bytes.  
?S:  
?S:i64size:  
?S: This variable is the size of an I64 in bytes.  
?S:  
?S:u64size:

?S: This variable is the size of an U64 in bytes.  
?S:.  
?S:nvsize:  
?S: This variable is the size of a Perl NV in bytes.  
?S: Note that some floating point formats have unused bytes.  
?S:.  
?S:d\_nv\_preserves\_uv:  
?S: This variable indicates whether a variable of type nvtype  
?S: can preserve all the bits a variable of type uvtype.  
?S:.  
?S:nv\_preserves\_uv\_bits:  
?S: This variable indicates how many of bits type uvtype  
?S: a variable nvtype can preserve.  
?S:.  
?S:nv\_overflows\_integers\_at:  
?S: This variable gives the largest integer value that NVs can hold  
?S: as a constant floating point expression.  
?S: If it could not be determined, it holds the value 0.  
?S:.  
?S:d\_nv\_zero\_is\_allbits\_zero:  
?S: This  
variable indicates whether a variable of type nvtype  
?S: stores 0.0 in memory as all bits zero.  
?S:.  
?C:IVTYPE:  
?C: This symbol defines the C type used for Perl's IV.  
?C:.  
?C:UVTYPE:  
?C: This symbol defines the C type used for Perl's UV.  
?C:.  
?C:I8TYPE:  
?C: This symbol defines the C type used for Perl's I8.  
?C:.  
?C:U8TYPE:  
?C: This symbol defines the C type used for Perl's U8.  
?C:.  
?C:I16TYPE:  
?C: This symbol defines the C type used for Perl's I16.  
?C:.  
?C:U16TYPE:  
?C: This symbol defines the C type used for Perl's U16.  
?C:.  
?C:I32TYPE:  
?C: This symbol defines the C type used for Perl's I32.  
?C:.  
?C:U32TYPE:  
?C: This symbol defines the C type used for Perl's U32.  
?C:.

?C:I64TYPE:

?C: This symbol defines the C type used for Perl's I64.

?C:.

?C:U64TYPE:

?C: This symbol defines the C type used for Perl's U64.

?C:.

?C:NVTYPE:

?C: This symbol defines the C type used for Perl's NV.

?C:.

?C:IVSIZE:

?C: This symbol contains the sizeof(IV).

?C:.

?C:UVSIZE:

?C: This symbol contains the  
sizeof(UV).

?C:.

?C:I8SIZE:

?C: This symbol contains the sizeof(I8).

?C:.

?C:U8SIZE:

?C: This symbol contains the sizeof(U8).

?C:.

?C:I16SIZE:

?C: This symbol contains the sizeof(I16).

?C:.

?C:U16SIZE:

?C: This symbol contains the sizeof(U16).

?C:.

?C:I32SIZE:

?C: This symbol contains the sizeof(I32).

?C:.

?C:U32SIZE:

?C: This symbol contains the sizeof(U32).

?C:.

?C:I64SIZE:

?C: This symbol contains the sizeof(I64).

?C:.

?C:U64SIZE:

?C: This symbol contains the sizeof(U64).

?C:.

?C:NVSIZE:

?C: This symbol contains the sizeof(NV).

?C: Note that some floating point formats have unused bytes.

?C: The most notable example is the x86\* 80-bit extended precision

?C: which comes in byte sizes of 12 and 16 (for 32 and 64 bit

?C: platforms, respectively), but which only uses 10 bytes.

?C: Perl compiled with -Duselongdouble on x86\* is like this.

?C:.

?C:NV\_PRESERVES\_UV:  
?C: This symbol, if defined, indicates that a variable of type NVTYPE  
?C: can preserve all the bits of a variable of type UVTYPE.  
?C:.

?C:NV\_PRESERVES\_UV\_BITS:  
?C: This  
symbol contains the number of bits a variable of type NVTYPE  
?C: can preserve of a variable of type UVTYPE.  
?C:.

?C:NV\_OVERFLOWES\_INTEGERS\_AT:  
?C: This symbol gives the largest integer value that NVs can hold. This  
?C: value + 1.0 cannot be stored accurately. It is expressed as constant  
?C: floating point expression to reduce the chance of decimal/binary  
?C: conversion issues. If it can not be determined, the value 0 is given.  
?C:.

?C:NV\_ZERO\_IS\_ALLBITS\_ZERO:  
?C: This symbol, if defined, indicates that a variable of type NVTYPE  
?C: stores 0.0 in memory as all bits zero.  
?C:.

```
?H:#define IVTYPE $ivtype /**/
?H:#define UVTYPE $uvtype /**/
?H:#define I8TYPE $i8type /**/
?H:#define U8TYPE $u8type /**/
?H:#define I16TYPE $i16type /**/
?H:#define U16TYPE $u16type /**/
?H:#define I32TYPE $i32type /**/
?H:#define U32TYPE $u32type /**/
?H:%<:#ifdef HAS_QUAD
?H:%<:#define I64TYPE $i64type /**/
?H:%<:#define U64TYPE $u64type /**/
?H:%<:#endif
?H:#define NVTYPE $nvtype /**/
?H:#define IVSIZE $ivsize /**/
?H:#define UVSIZE $uvsize /**/
?H:#define I8SIZE $i8size /**/
?H:#define U8SIZE $u8size /**/
?H:#define I16SIZE $i16size /**/
?H:#define U16SIZE $u16size /**/
?H:#define I32SIZE $i32size /**/
?H:#define U32SIZE $u32size /**/
?H:%<:#ifdef
HAS_QUAD
?H:%<:#define I64SIZE $i64size /**/
?H:%<:#define U64SIZE $u64size /**/
?H:%<:#endif
?H:#define NVSIZE $nvsize /**/
?H:$d_nv_preserves_uv NV_PRESERVES_UV
?H:#define NV_PRESERVES_UV_BITS $nv_preserves_uv_bits
```

```

?H:#define NV_OVERFLOWES_INTEGERS_AT ($nv_overflows_integers_at)
?H:#$d_nv_zero_is_allbits_zero NV_ZERO_IS_ALLBITS_ZERO
?H:%<:#if UVSIZE == 8
?H:%<:#  ifdef BYTEORDER
?H:%<:#    if BYTEORDER == 0x1234
?H:%<:#      undef BYTEORDER
?H:%<:#      define BYTEORDER 0x12345678
?H:%<:#    else
?H:%<:#      if BYTEORDER == 0x4321
?H:%<:#        undef BYTEORDER
?H:%<:#        define BYTEORDER 0x87654321
?H:%<:#
?H:%<:#      endif
?H:%<:#    endif
?H:%<:#  endif
?H:%<:#endif
?H:.
?T:xxx
?T:d
?F:!try
: Check basic sizes
echo " "
$echo "Choosing the C types to be used for Perl's internal types..." >&4

```

```

case "$use64bitint:$d_quad:$quadtype" in
define:define:?)
ivtype="$quadtype"
uvtype="$uquadtype"
ivsize=8
uvsize=8
;;
*) ivtype="long"
uvtype="unsigned long"
ivsize=$longsize
uvsize=$longsize
;;
esac

```

```

case "$uselongdouble:$d_longdbl" in
define:define)
nvtype="long double"
nvsize=$longdblsize
;;
*) nvtype=double
nvsize=$doublesize
;;
esac

```

```

case "$usequadmath:$i_quadmath" in
define:define)
    nvtype="__float128"
    nvsize=16
    case "$libs" in
    *quadmath*) ;;
    *) $cat <<EOM >&4

*** You requested the use of the quadmath library, but you
*** do not seem to have the quadmath library installed.
*** Cannot continue, aborting.
EOM
    exit 1
    ;;
    esac
    ;;
define:*) $cat <<EOM >&4

*** You requested the use of the quadmath library, but you
*** do not seem to have the required header, <quadmath.h>.
EOM
    case "$gccversion" in
    [23].*[4.[0-5]*)
    $cat <<EOM >&4
    *** Your gcc looks a bit old:
    *** $gccversion
    EOM
    ;;
    ")
    $cat <<EOM >&4
    *** You are not running a gcc.
    EOM
    ;;
    esac
    $cat <<EOM >&4
    *** For the quadmath library you need at least gcc 4.6.
    *** Cannot continue, aborting.
    EOM
    exit 1
    ;;
    esac

$echo "(IV will be \"$ivtype\", $ivsize bytes)"
$echo "(UV will be \"$uvtype\", $uvsize bytes)"
$echo "(NV will be \"$nvtype\", $nvsize bytes)"

$cat >try.c <<EOCP
#i_inttypes I_INTTYPES

```

```

#ifdef I_INTTYPES
#include <inttypes.h>
#endif
#include <stdio.h>
int main() {
#ifdef INT8
    int8_t i = INT8_MAX;
    uint8_t u = UINT8_MAX;
    printf("int8_t\n");
#endif
#ifdef INT16
    int16_t i = INT16_MAX;
    uint16_t u = UINT16_MAX;
    printf("int16_t\n");
#endif
#ifdef INT32
    int32_t i = INT32_MAX;
    uint32_t u = UINT32_MAX;
    printf("int32_t\n");
#endif
}
EOCP

```

```

i8type="signed char"
u8type="unsigned char"
i8size=1
u8size=1

```

```

case "$i16type" in
") case "$shortsize" in
2) i16type=short
    u16type="unsigned
short"
    i16size=$shortsize
    u16size=$shortsize
    ;;
esac
;;
esac
case "$i16type" in
") set try -DINT16
if eval $compile; then
case "$run ./try`" in
int16_t)
    i16type=int16_t
    u16type=uint16_t
    i16size=2
    u16size=2

```



```

;;
esac
fi
;;
esac
case "$i16type" in
") if $test $shortsize -ge 2; then
i16type=short
u16type="unsigned short"
i16size=$shortsize
u16size=$shortsize
fi
;;
esac

```

```

case "$i32type" in
") case "$longsize" in
4) i32type=long
u32type="unsigned long"
i32size=$longsize
u32size=$longsize
;;
*) case "$intsize" in
4) i32type=int
u32type="unsigned int"
i32size=$intsize
u32size=$intsize
;;
esac
;;
esac

```

```

;;
esac
case "$i32type" in
") set try -DINT32
if eval $compile; then
case "`$run ./try`" in
int32_t)
i32type=int32_t
u32type=uint32_t
i32size=4
u32size=4
;;
esac
fi
;;
esac
case "$i32type" in

```

```

") if $test $intsize -ge 4; then
    i32type=int
    u32type="unsigned int"
    i32size=$intsize
    u32size=$intsize
fi
;;
esac

case
"$i64type" in
") case "$d_quad:$quadtype" in
define:?)
    i64type="$quadtype"
    u64type="$uquadtype"
    i64size=8
    u64size=8
    ;;
esac
;;
esac

```

\$echo "Checking how many bits of your UVs your NVs can preserve..." >&4

```

$cat <<EOP >try.c
#include <stdio.h>
#ifdef _STDLIB
#include <stdlib.h>
#endif
#include <sys/types.h>
#include <signal.h>
#ifdef SIGFPE
/* volatile so that the compiler has to store it out to memory */
volatile int bleched = 0;
$signal_t blech(int s) { bleched = 1; }
#endif
int main() {
    $uvtype u = 0;
    $nvtype d;
    int n = 8 * $uvsize;
    int i;
#ifdef SIGFPE
    signal(SIGFPE, blech);
#endif

    for (i = 0; i < n; i++) {
        u = u << 1 | ($uvtype)1;
        d = ($nvtype)u;
    }
}

```

```

    if (($svtype)d != u)
        break;
    if (d <= 0)
break;
    d = ($nvtype)(u - 1);
    if (($svtype)d != (u - 1))
        break;
#ifdef SIGFPE
    if (bletched)
break;
#endif
}
printf("%d\n",
((i == n) ? -n : i));
exit(0);
}
EOP
set try

d_nv_preserves_uv="$undef"
if eval $compile; then
    nv_preserves_uv_bits="$run ./try`"
fi
case "$nv_preserves_uv_bits" in
\[1-9]*)
    nv_preserves_uv_bits=`expr 0 - $nv_preserves_uv_bits`
    $echo "Your NVs can preserve all $nv_preserves_uv_bits bits of your UVs." 2>&1
    d_nv_preserves_uv="$define"
    ;;
[1-9]*) $echo "Your NVs can preserve only $nv_preserves_uv_bits bits of your UVs." 2>&1
    d_nv_preserves_uv="$undef" ;;
*) $echo "Can't figure out how many bits your NVs preserve." 2>&1
    nv_preserves_uv_bits="0" ;;
esac
$rm_try

$echo "Checking to find the largest integer value your NVs can hold..." >&4
$cat <<EOP >try.c
#include <stdio.h>

typedef $nvtype NV;

int
main() {
    NV value = 2;
    int count = 1;

    while(count < 256) {

```

```

/* volatile so that the compiler has to store it out to memory */
volatile NV up = value + 1.0;
volatile NV negated = -value;
volatile NV down = negated - 1.0;
volatile NV got_up = up
- value;
int up_good = got_up == 1.0;
int got_down = down - negated;
int down_good = got_down == -1.0;

if (down_good != up_good) {
    fprintf(stderr,
        "Inconsistency - up %d %f; down %d %f; for 2**%d (%.20f)\n",
        up_good, (double) got_up, down_good, (double) got_down,
        count, (double) value);
    return 1;
}
if (!up_good) {
    while (1) {
if (count > 8) {
    count -= 8;
    fputs("256.0", stdout);
} else {
    count--;
    fputs("2.0", stdout);
}
}
if (!count) {
    puts("");
    return 0;
}
fputs("!", stdout);
    }
}
value *= 2;
++count;
}
fprintf(stderr, "Cannot overflow integer range, even at 2**%d (%.20f)\n",
    count, (double) value);
return 1;
}
EOP
set try

nv_overflows_integers_at='0'
if eval $compile; then
    xxx="$run ./try`"
    case "$?" in
    0)

```

```
case "$xxx" in
2*) cat >&4 <<EOM
The largest integer your NVs can preserve is equal to $xxx
EOM
```

```
nv_overflows_integers_at="$xxx"
;;
*) cat
>&4 <<EOM
```

Cannot determine the largest integer value your NVs can hold, unexpected output  
'\$xxx'  
EOM

```
;;
esac
;;
*) cat >&4 <<EOM
```

Cannot determine the largest integer value your NVs can hold  
EOM

```
;;
esac
fi
$rm_try
```

```
$echo "Checking whether NV 0.0 is all bits zero in memory..." >&4
```

```
$cat <<EOP >try.c
```

```
#include <stdio.h>
```

```
#$i_stdlib L_STDLIB
```

```
#ifdef L_STDLIB
```

```
#include <stdlib.h>
```

```
#endif
```

```
#include <string.h>
```

```
#include <sys/types.h>
```

```
#include <signal.h>
```

```
#ifdef SIGFPE
```

```
/* volatile so that the compiler has to store it out to memory */
```

```
volatile int bletched = 0;
```

```
$signal_t blech(int s) { bletched = 1; }
```

```
#endif
```

```
int checkit($nvtype d, const char *where) {
```

```
void *v = &d;
```

```
unsigned char *p = (unsigned char *)v;
```

```
unsigned char *end = p + sizeof(d);
```

```
int fail = 0;
```

```
while (p < end)
```

```
fail += *p++;
```

```
if (!fail)
```

```

return 0;

    p = (unsigned char *)v;
    printf("No - %s: 0x", where);
    while (p < end)
    printf ("%02X", *p++);
    printf("\n");
    return 1;
}

int
main(int argc, char **argv) {
    $nvttype d = 0.0;
    int fail = 0;
    fail += checkit(d, "0.0");

    /* The compiler shouldn't be assuming that bletched is 0 */
    d = bletched;

    fail += checkit(d, "bleched");

#ifdef SIGFPE
    signal(SIGFPE, blech);
#endif

    /* Paranoia - the compiler should have no way of knowing that ANSI says
       that argv[argc] will always be NULL.  Actually, if it did assume this it
       would be buggy, as this is C and main() can be called from elsewhere in
       the program. */
    d = argv[argc] ? 1 : 0;

    if (d) {
    printf("Odd argv[argc]=%p, d=%g\n", argv[argc], d);
    }

    fail += checkit(d, "ternary");

    memset(&d, sizeof(d), argv[argc] ? 1 : 0);

    if (d != 0.0) {
    printf("No - memset doesn't give 0.0\n");
    /* This might just blow up: */
    printf("(gives %g)\n", d);
    return 1;
    }

#ifdef SIGFPE
    if (bletched) {

```

```

printf("No - something bleched\n");
return 1;
}
#endif
if (fail) {
printf("No - %d fail(s)\n",
fail);
return 1;
}
printf("Yes\n");
return 0;
}
EOP
set try

```

```

d_nv_zero_is_allbits_zero="$undef"
if eval $compile; then
xxx="$run ./try`"
case "$?" in
0)
case "$xxx" in
Yes) cat >&4 <<EOM
0.0 is represented as all bits zero in memory
EOM
d_nv_zero_is_allbits_zero="$define"
;;
*) cat >&4 <<EOM
0.0 is not represented as all bits zero in memory
EOM
d_nv_zero_is_allbits_zero="$undef"
;;
esac
;;
*) cat >&4 <<EOM
0.0 is not represented as all bits zero in memory
EOM
d_nv_zero_is_allbits_zero="$undef"
;;
esac
fi
$rm_try

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perl.v.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2000,2014 Jarkko Hietaniemi

?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_fpclassify d\_fp\_classify: Inlibc cat Compile rm\_try Setvar  
?MAKE: -pick add \$@ %<  
?X:the short story is that C99 says use fpclassify. But the story is confused  
?X:by systems "partially C99" (or fully "pre C99") which either user fpclassify  
?X:but with different return values, or they use fp\_classify (with the expected)  
?X:return values, or they use some other spelling of \*fp\*class\* (sometimes even  
?X:without the \*fp\* part), with yet another set(s) of return values ...  
?S:d\_fpclassify:  
?S: This variable conditionally defines the HAS\_FPCLASSIFY symbol, which  
?S: indicates to the C program that the fpclassify() routine is available.  
?S:.  
?S:d\_fp\_classify:  
?S: This variable conditionally defines the HAS\_FP\_CLASSIFY  
symbol, which  
?S: indicates to the C program that the fp\_classify() routine is available.  
?S:.  
?C:HAS\_FPCLASSIFY:  
?C: This symbol, if defined, indicates that the fpclassify routine is  
?C: available to classify doubles. Available for example in HP-UX.  
?C: The returned values are defined in <math.h> and are  
?C:  
?C: FP\_NORMAL Normalized  
?C: FP\_ZERO Zero  
?C: FP\_INFINITE Infinity  
?C: FP\_SUBNORMAL Denormalized  
?C: FP\_NAN NaN  
?C:  
?C:.  
?C:HAS\_FP\_CLASSIFY:  
?C: This symbol, if defined, indicates that the fp\_classify routine is  
?C: available to classify doubles. The values are defined in <math.h>  
?C:  
?C: FP\_NORMAL Normalized  
?C: FP\_ZERO Zero  
?C: FP\_INFINITE Infinity  
?C: FP\_SUBNORMAL Denormalized  
?C: FP\_NAN NaN  
?C:  
?C:.  
?H:#\$d\_fpclassify HAS\_FPCLASSIFY /\*\*/  
?H:#\$d\_fp\_classify HAS\_FP\_CLASSIFY /\*\*/  
?H:.  
?LINT:set d\_fpclassify  
?LINT:set d\_fp\_classify



```

: check for fpclassify
?X:classified (Comment by jhi)
?X:fpclassify i_math
?X:fp_classify i_math
?X:fpclass i_math
i_ieeeFP i_fp
?X:fp_class i_math i_fp_class
?X: No i_fp_class yet. But the systems that have
?X: this (Tru64 and IRIX) both had <fp_class.h>
?X:class i_math
echo "Checking to see if you have fpclassify..." >&4
$cat >try.c <<EOCP
#include <math.h>
int main() { return fpclassify(1.0) == FP_NORMAL ? 0 : 1; }
EOCP
set try
if eval $compile; then
val="$define"
echo "You have fpclassify."
else
val="$undef"
echo "You do not have fpclassify."
fi
$rm_try
set d_fpclassify
eval $setvar

```

```

: see if fp_classify exists
set fp_classify d_fp_classify
eval $inlibc

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fpclassify.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_sysselect.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sysselect.U,v $
?RCS: Revision 3.0.1.1 1993/08/25 14:01:33 ram

```

?RCS: patch6: added default for i\_syssselct  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:35 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: Look wether <sys/select.h> exists  
?X:  
?MAKE:i\_syssselct: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_syssselct:  
?S: This variable conditionally defines I\_SYS\_SELECT, which indicates  
?S: to the C program that it should include <sys/select.h> in  
order to  
?S: get the definition of struct timeval.  
?S:.  
?C:I\_SYS\_SELECT (I\_SYSSSELECT):  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <sys/select.h> in order to get definition of struct timeval.  
?C:.  
?H:#\$i\_syssselct I\_SYS\_SELECT /\*\*/  
?H:.  
?D:i\_syssselct="  
?LINT:set i\_syssselct  
: see if sys/select.h has to be included  
set sys/select.h i\_syssselct  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_syssselct.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_system.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
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?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_system.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:44 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_system: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_system:

?S: This variable conditionally defines HAS\_SYSTEM if system() is

?S: available to issue a shell command.

?S:.

?C:HAS\_SYSTEM (SYSTEM):

?C: This symbol, if defined, indicates that the system routine is

?C: available to issue a shell command.

?C:.

?H:#\$d\_system HAS\_SYSTEM /\*\*/

?H:.

?LINT:set

d\_system

: see if system exists

set system d\_system

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_system.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_fd\_set.U,v 3.0.1.3 1997/02/28 15:33:16 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS:

?RCS: \$Log: d\_fd\_set.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:33:16 ram

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.2 1994/06/20 06:57:23 ram

?RCS: patch30: extended scope for fd\_set checks (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1994/01/24 14:06:27 ram

?RCS: patch16: comments for HAS\_FD\_\* symbols were not consistent

?RCS:

?RCS: Revision 3.0 1993/08/18 12:06:02 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_fd\_set d\_fd\_macros

d\_fds\_bits: Compile cat rm\_try Oldconfig \

d\_socket i\_system i\_sysselect i\_stdlib run

```

?MAKE: -pick add $@ %<
?S:d_fd_set:
?S: This variable contains the eventual value of the HAS_FD_SET symbol,
?S: which indicates if your C compiler knows about the fd_set typedef.
?S:.
?S:d_fd_macros:
?S: This variable contains the eventual value of the HAS_FD_MACROS symbol,
?S: which indicates if your C compiler knows about the macros which
?S: manipulate an fd_set.
?S:.
?S:d_fds_bits:
?S: This variable contains the eventual value of the HAS_FDS_BITS symbol,
?S: which indicates if your fd_set typedef contains the fds_bits member.
?S: If you have an fd_set typedef, but the dweebs who installed it did
?S: a half-fast job and neglected to provide the macros to manipulate
?S: an fd_set, HAS_FDS_BITS will let us know how to fix the gaffe.
?S:.
?C:HAS_FD_SET:
?C: This symbol, when defined, indicates presence of the fd_set typedef
?C: in <sys/types.h>
?C:.
?C:HAS_FD_MACROS:
?C: This symbol, when defined,
    indicates presence of the macros used to
?C: manipulate an fd_set.
?C:.
?C:HAS_FDS_BITS:
?C: This symbol, when defined, indicates presence of the fds_bits member in
?C: fd_set. This knowledge is useful if fd_set is available but the macros
?C: aren't.
?C:.
?H:#$d_fd_set HAS_FD_SET /**/
?H:#$d_fd_macros HAS_FD_MACROS /**/
?H:#$d_fds_bits HAS_FDS_BITS /**/
?H:.
?F:!try
: check for fd_set items
$cat <<EOM

```

Checking to see how well your C compiler handles fd\_set and friends ...

EOM

?X: The FD\_SET macros can be in strange places. On some SysV-based

?X: systems, they are in <sys/bsdtypes.h>, which is included (perhaps)

?X: by <sys/socket.h>. We won't force people to include

?X: <sys/bsdtypes.h> because it might introduce other

?X: incompatibilities.

\$cat >try.c <<EOCP

#\$i\_stdlib I\_STDLIB

```

#ifndef I_STDLIB
#include <stdlib.h>
#endif
#ifdef I_SYTIME
#include <sys/time.h>
#endif
#ifdef I_SYSSELECT
#include <sys/select.h>
#endif
#ifdef HAS_SOCKET
#include <sys/socket.h> /* Might include <sys/bsdtypes.h>
*/
#endif
#ifdef I_SYS_TIME
#include <sys/time.h>
#endif
#ifdef I_SYS_SELECT
#include <sys/select.h>
#endif
int main() {
    fd_set fds;

#ifdef TRYBITS
    if(fds.fds_bits);
#endif

    if defined(FD_SET) && defined(FD_CLR) && defined(FD_ISSET) && defined(FD_ZERO)
        exit(0);
    else
        exit(1);
    endif
}
EOCP
set try -DTRYBITS
if eval $compile; then
    d_fds_bits="$define"
    d_fd_set="$define"
    echo "Well, your system knows about the normal fd_set typedef..." >&4
    if $run ./try; then
        echo "and you have the normal fd_set macros (just as I'd expect)." >&4
        d_fd_macros="$define"
    else
        $cat >&4 <<'EOM'
but not the normal fd_set macros! Gaaack! I'll have to cover for you.
EOM
        d_fd_macros="$undef"
    fi
else
    $cat <<'EOM'
Hmm, your compiler has some difficulty with fd_set. Checking further...

```

```

EOM
set try
if eval $compile; then
  d_fds_bits="$undef"
  d_fd_set="$define"
  echo "Well, your system has some sort of fd_set available..." >&4
  if $run ./try; then
    echo "and you have the normal
fd_set macros." >&4
    d_fd_macros="$define"
  else
    $cat <<'EOM'
but not the normal fd_set macros! Gross! More work for me...

```

```

EOM
  d_fd_macros="$undef"
fi
else
echo "Well, you got zip. That's OK, I can roll my own fd_set stuff." >&4
  d_fd_set="$undef"
  d_fds_bits="$undef"
  d_fd_macros="$undef"
fi
fi
$rm_try

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_fd_set.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: selecttype.U,v 3.0.1.3 1997/02/28 16:20:09 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: selecttype.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 16:20:09 ram
?RCS: patch61: always include <sys/select.h> when available for test
?RCS:
?RCS: Revision 3.0.1.2 1995/07/25 14:14:06 ram
?RCS: patch56: removed harmful spaces in assignment

```

```

?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 07:06:31 ram
?RCS: patch30: created by ADO
?RCS:
?MAKE:selecttype: Protochk Oldconfig Myread cat
\
d_fd_set d_select d_socket i_systime i_sysselect extern_C
?MAKE: -pick add $@ %<
?S:selecttype:
?S: This variable holds the type used for the 2nd, 3rd, and 4th
?S: arguments to select. Usually, this is 'fd_set *', if HAS_FD_SET
?S: is defined, and 'int *' otherwise. This is only useful if you
?S: have select(), naturally.
?S:.
?C:Select_fd_set_t:
?C: This symbol holds the type used for the 2nd, 3rd, and 4th
?C: arguments to select. Usually, this is 'fd_set *', if HAS_FD_SET
?C: is defined, and 'int *' otherwise. This is only useful if you
?C: have select(), of course.
?C:.
?H:#define Select_fd_set_t $selecttype /**/
?H:.
?T:xxx nfd tmo try hdrs val
: check for type of arguments to select.
case "$selecttype" in
") case "$d_select" in
$define)
echo " "
$cat <<EOM
Checking to see what type of arguments are accepted by select().
EOM
hdrs="$define sys/types.h
$i_systime sys/time.h
$i_sysselect sys/select.h
$d_socket sys/socket.h"
: The first arg can be int, unsigned,
or size_t
: The last arg may or may not be 'const'
val="
: void pointer has been seen but using that
: breaks the selectminbits test
for xxx in 'fd_set *' 'int *'; do
for nfd in 'int' 'size_t' 'unsigned long' 'unsigned' ; do
for tmo in 'struct timeval *' 'const struct timeval *'; do
case "$val" in
") try="$extern_C select _(($nfd, $xxx, $xxx, $xxx, $tmo));"
if ./protochk "$try" $hdrs; then
echo "Your system accepts $xxx."

```

```

    val="$xxx"
fi
;;
esac
done
done
done
?X: In the unlikely event that none of those worked, prompt the user.
case "$val" in
") rp='What is the type for the 2nd, 3rd, and 4th arguments to select?'
case "$d_fd_set" in
$define) dflt="fd_set *" ;;
*) dflt="int *" ;;
esac
./myread
val=$ans
;;
esac
selecttype="$val"
;;
*) : no select, so pick a harmless default
selecttype='int *'
;;
esac
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/selecttype.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: package.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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```

```
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```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: package.U,v $
```

```
?RCS: Revision 3.0.1.3 1994/10/29 16:27:21 ram
```

```
?RCS: patch36: beware of non-ascii character sets when translating case
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1993/11/10 17:37:02 ram
```

```
?RCS: patch14: skip definition of spackage if not otherwise used
```



```

?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:11:10 ram
?RCS: patch10: added package, suitable for starting sentences
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:28 ram
?RCS: Baseline for dist 3.0
      netwide release.
?RCS:
?MAKE:package spackage: Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?X: dist-4 has defined PACKAGE: here, which clashes with perly.h
?X: as package is a reserved keyword in perl
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^(.).*\1/^`
last=`echo $package | sed -e 's/^(.*)\1/^`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case ``echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`"-``echo AbyZ | tr '[:upper:]' '[:lower:]'
 2>/dev/null`" in
ABYZ-abyz) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo $first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/modified/package.U

```

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```

?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:

```

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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_malloc.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:08:21 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_malloc: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_malloc:  
?S: This variable conditionally defines the I\_MALLOC symbol, and indicates  
?S: whether a C program should include <malloc.h>.  
?S:.  
?C:I\_MALLOC:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <malloc.h>.  
?C:.  
?H:#\$i\_malloc I\_MALLOC /\*\*/  
?H:.  
?LINT:set i\_malloc  
: see if this is a malloc.h system  
set  
malloc.h i\_malloc  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_malloc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 2000 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_fp\_class: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_fp\_class:  
?S: This variable conditionally defines the HAS\_FP\_CLASS symbol, which  
?S: indicates to the C program that the fp\_class() routine is available.  
?S:.  
?C:HAS\_FP\_CLASS:  
?C: This symbol, if defined, indicates that the fp\_class routine is

?C: available to classify doubles. Available for example in Digital UNIX.

?C: The returned values are defined in <math.h> and are:

?C:

?C: FP\_SNAN        Signaling NaN (Not-a-Number)

?C: FP\_QNAN        Quiet NaN (Not-a-Number)

?C: FP\_POS\_INF     +infinity

?C: FP\_NEG\_INF     -infinity

?C: FP\_POS\_NORM    Positive normalized

?C: FP\_NEG\_NORM    Negative normalized

?C: FP\_POS\_DENORM  Positive denormalized

?C: FP\_NEG\_DENORM

    Negative denormalized

?C: FP\_POS\_ZERO    +0.0 (positive zero)

?C: FP\_NEG\_ZERO    -0.0 (negative zero)

?C.:

?H:#\$d\_fp\_class HAS\_FP\_CLASS /\*\*/

?H.:

?LINT:set d\_fp\_class

: see if fp\_class exists

set fp\_class d\_fp\_class

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fp\_class.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: uidtype.U,v 3.0.1.3 1994/08/29 16:33:25 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: uidtype.U,v \$

?RCS: Revision 3.0.1.3 1994/08/29 16:33:25 ram

?RCS: patch32: now uses new Typedef unit to compute type information

?RCS:

?RCS: Revision 3.0.1.2 1994/06/20 07:09:36 ram

?RCS: patch30: comment for uidtype referred to the obsoleted symbol

?RCS:

?RCS: Revision 3.0.1.1 1994/05/13 15:28:27 ram

?RCS: patch27: made conformant to its gidtype.U companion

?RCS: patch27: question now explicitly mentions getuid()

?RCS:

?RCS: Revision 3.0 1993/08/18

12:09:56 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:uidtype: Myread Typedef Findhdr

?MAKE: -pick add \$@ %<

?S:uidtype:

?S: This variable defines Uid\_t to be something like uid\_t, int,

?S: ushort, or whatever type is used to declare user ids in the kernel.

?S:.

?C:Uid\_t (UIDTYPE):

?C: This symbol holds the type used to declare user ids in the kernel.

?C: It can be int, ushort, uid\_t, etc... It may be necessary to include

?C: <sys/types.h> to get any typedef'ed information.

?C:.

?H:#define Uid\_t \$uidtype /\* UID type \*/

?H:.

?T:xxx

: see what type uids are declared as in the kernel

echo " "

echo "Looking for the type for user ids returned by getuid()."

set uid\_t uidtype xxx stdio.h sys/types.h

eval \$typedef

case "\$uidtype" in

xxx)

xxx=`./findhdr sys/user.h`

set `grep '\_ruid;' "\$xxx" 2>/dev/null` unsigned short

case \$1 in

unsigned) dflt="\$1 \$2" ;;

\*) dflt="\$1" ;;

esac

::

\*) dflt="\$uidtype";;

esac

case "\$uidtype" in

uid\_t) echo "uid\_t found." ;;

\*) rp="What

is the type for user ids returned by getuid()?"

. ./myread

uidtype="\$ans"

::

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/uidtype.U

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_tzmin.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_tzmin.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:16:58 ram
?RCS: patch36: call ./bsd explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:49 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_tzmin: contains cppstdin cppminus timeincl rm Setvar Guess
?MAKE: -pick add $@ %<
?S:d_tzmin:
?S: This symbol conditionally defines TZ_MINUTESWEST if the system uses
?S: tz_minuteswest in time header instead of timezone.
?S:.
?C:TZ_MINUTESWEST:
?C: This
symbol is defined if this system uses tz_minuteswest
?C: in time header instead of timezone.
?C: If not defined, you may have to use struct timeb and ftime() rather
?C: than the new gettimeofday() system call.
?C:.
?H:#$d_tzmin TZ_MINUTESWEST /**/
?H:.
?LINT:set d_tzmin
: see if tz_minuteswest is defined in time header
echo " "
val="$undef"
$cppstdin $cppminus < $timeincl > try 2>&1
if $contains 'tz_minuteswest' try >/dev/null 2>&1; then
echo "You have tz_minuteswest defined in $timeincl rather than timezone." >&4
val="$define"
elif $contains 'timezone' try >/dev/null 2>&1; then
echo "You have timezone defined in $timeincl rather than tz_minuteswest." >&4
else
echo "Your $timeincl file looks strange." >&4
fi
if ./bsd; then
case "$d_tzmin" in
"$undef") echo "(Maybe your system is an USG one after all?)";;

```

```
esac
fi
set d_tzmin
eval $setvar
$rm -f try
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_tzmin.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_gdbm.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: i_gdbm.U,v $
```

```
?RCS: Revision 3.0.1.1 1995/05/12 12:16:39 ram
```

```
?RCS: patch54: made more robust by checking both header and lib (ADO)
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:08:19 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?MAKE:i_gdbm: Inhdr Inlibc Setvar
```

```
?MAKE: -pick add $@ %<
```

```
?S:i_gdbm (d_gdbm):
```

```
?S: This variable conditionally defines the I_GDBM symbol, which
```

```
?S: indicates to the C program that <gdbm.h> exists and should
```

```
?S: be included.
```

```
?S:.
```

```
?C:I_GDBM
```

```
(HAS_GDBM):
```

```
?C: This symbol, if defined, indicates that <gdbm.h> exists and should
```

```
?C: be included.
```

```
?C:.
```

```
?H:#$i_gdbm I_GDBM /**/
```

```
?H:.
```

```
?T:t_gdbm d_gdbm_open
```

```
?LINT:set i_gdbm
```

```
: see if gdbm.h is available
```

```
?X: t_gdbm is a tentative check. We might just have the .h, not the lib -- ADO
```

```
set gdbm.h t_gdbm
```

```
eval $inhdr
```

```

case "$t_gdbm" in
$define)
: see if gdbm_open exists
set gdbm_open d_gdbm_open
eval $inlibc
case "$d_gdbm_open" in
$undef)
t_gdbm="$undef"
echo "We won't be including <gdbm.h>"
;;
esac
;;
esac
val="$t_gdbm"
set i_gdbm
eval $setvar

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_gdbm.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_wcstombs.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_wcstombs.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_wcstombs: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_wcstombs:

?S: This variable conditionally defines the HAS\_WCSTOMBS symbol, which

?S: indicates to the C program that the wcstombs() routine is available

?S: to convert wide character strings to multibyte strings.

?S:.

?C:HAS\_WCSTOMBS:

?C: This symbol, if defined, indicates that the wcstombs

routine is

?C: available to convert wide character strings to multibyte strings.

?C:.

?H:#\$d\_wcstombs HAS\_WCSTOMBS /\*\*/

?H:.

?LINT:set d\_wcstombs

: see if wcstombs exists

set wcstombs d\_wcstombs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_wcstombs.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_sysconf.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_sysconf.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:15:57 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_sysconf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_sysconf:

?S: This variable conditionally defines the HAS\_SYSCONF symbol, which

?S: indicates to the C program that the sysconf() routine is available

?S: to determine system related limits and options.

?S:.

?C:HAS\_SYSCONF:

?C: This

symbol, if defined, indicates that sysconf() is available

?C: to determine system related limits and options.

?C:.

?H:#\$d\_sysconf HAS\_SYSCONF /\*\*/

?H:.

?LINT:set d\_sysconf

: see if sysconf exists

set sysconf d\_sysconf

eval \$inlibc

Found in path(s):



\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_sysconf.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_systwgcf.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_systwgcf.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:39 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_systwgcf: Inhdr
?MAKE: -pick add $@ %<
?S:i_systwgcf:
?S: This variable conditionally defines the I_SYS_TWG_CF symbol, and
?S: indicates whether a C program should include sys/twg_config.h.
?S:.
?C:I_SYS_TWG_CF:
?C: This symbol, if defined, indicates to the C program that it should
?C: include sys/twg_config.h.
?C:.
?H:#$i_systwgcf
I_SYS_TWG_CF /**/
?H:.
?LINT:set i_systwgcf
: see if this is a sys/twg_config.h system
set sys/twg_config.h i_systwgcf
eval $inhdr
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systwgcf.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_havetlib.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
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```

?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_havetlib.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 15:36:31 ram  
?RCS: patch61: replaced .a with \$\_a all over the place  
?RCS: patch61: likewise for .o replaced by \$\_o  
?RCS:  
?RCS: Revision 3.0.1.1 1994/05/06 14:44:06 ram  
?RCS: patch23: added AIX support to accept shared lib stub as termlib (WED)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:06:19 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_havetlib termlib: cat contains Myread Loc  
Filexp Oldconfig libpth \  
test uname \_a \_o  
?MAKE: -pick add \$@ %<  
?S:d\_havetlib:  
?S: This variable conditionally defines the HAS\_TERMLIB symbol, which  
?S: indicates to the C program that termlib-style routines are available.  
?S:.  
?S:termlib:  
?S: This variable contains the argument to pass to the loader to get  
?S: termlib-style routines. It is up to the Makefile.SH to make sure  
?S: the value gets to the right command. Note that on many systems the  
?S: termlib routines are emulated by the curses or terminfo library.  
?S:.  
?C:HAS\_TERMLIB (HAVETERMLIB):  
?C: This symbol, when defined, indicates that termlib-style routines  
?C: are available. There is nothing to include.  
?C:.  
?H:#\$d\_havetlib HAS\_TERMLIB /\*\*/  
?H:.  
?T:xxx  
: where do we get termlib routines from  
echo " "  
xxx=`./loc libcurses\$\_a x \$libpth`  
case "\$xxx" in  
/\*)  
ar t \$xxx >grimble  
if \$contains tputs\$\_o grimble >/dev/null 2>&1; then  
termlib='-lcurses'  
d\_havetlib="\$define"  
echo "Terminfo library found." >&4  
elif \$test "x`\$uname  
2>/dev/null`" = xAIX; then  
# Ok, do the AIX shr.o fun thing

```

/usr/ccs/bin/nm -en $xxx 2>/dev/null >grimble
if $contains '^tputs .*|extern|' grimble >/dev/null 2>&1; then
    termlib='-lcurses'
    d_havetlib="$define"
    echo "AIX Terminfo library found." >&4
else
    xxx=x
fi
else
    xxx=x
fi
rm -f grimble
;;
esac
case "$xxx" in
x)
xxx=`./loc libtermli$ _a x $libpth`
case "$xxx" in
/usr/lib*/lib*)
    termlib='-ltermli'
    d_havetlib="$define"
    echo "Termlib library found." >&4
    ;;
/*)
    termlib="$xxx"
    d_havetlib="$define"
    echo "Termlib library found." >&4
    ;;
*)
xxx=`./loc libtermcap$ _a x $libpth`
case "$xxx" in
/usr/lib*/lib*)
    termlib='-ltermcap'
    d_havetlib="$define"
    echo "Termcap library found." >&4
    ;;
/*)
    termlib="$xxx"
    d_havetlib="$define"
    echo "Termcap library found." >&4
    ;;
*)
    case "$termlib" in
    ")
        dflt=y
rp="Your system appears to NOT have termlib-style routines. Is this true?"
        ./myread
        case "$ans"

```

in

```
n*|f*) d_havetlib="$define"  
$cat <<'EOM'
```

Then where are the term lib-style routines kept? Specify either -llibname or a full pathname (~name ok).

EOM

```
dflt="  
rp='Specify term lib path:'  
. ./myread  
term lib=`./filexp $ans`  
;;  
)  
d_havetlib="$undef"  
term lib="  
echo "You will have to play around with term.c then." >&4  
;;  
esac  
echo " ";;  
) echo "You said term lib was $term lib before." >&4;;  
esac;;  
esac;;  
esac  
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_havetlib.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: make.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1996, Andy Dougherty

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: make.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:09:40 ram

?RCS: patch61: created

?RCS:

?MAKE:make\_set\_make : Loc rm sed make

?MAKE: -pick add \$@ %<

?S:make\_set\_make:

?S: Some versions of 'make' set the variable MAKE. Others do not.

?S: This variable contains the string to be included in Makefile.SH

?S: so that MAKE is set if needed, and not if not needed.

?S: Possible values are:

?S:

?S: make\_set\_make='#' #

If your make program handles this for you,

?S:

?S: make\_set\_make="MAKE=\$make" # if it doesn't.

?S:

?S: This uses a comment character so that we can distinguish a

?S: 'set' value (from a previous config.sh or Configure -D option)

?S: from an uncomputed value.

?S:.

?LINT: extern MAKE

?LINT: change MAKE

?X: This test is based on one from an autoconf-generated configure

?X: script. Autoconf stole a lot from Configure, but now it's our

?X: turn to do so... ;-) -- RAM, 21/02/97

: check whether make sets MAKE

echo " "

echo "Checking if your \$make program sets \\$(MAKE)..." >&4

case "\$make\_set\_make" in

")

?X: Use sed so we don't have a line beginning with @echo. Metaconfig

?X: will think that's a command like @if or @end.

\$sed 's/^X //' > testmake.mak << 'EOF'

Xall:

X @echo 'maketemp="\\$(MAKE)'

EOF

?X: GNU make sometimes prints "make[1]: Entering...", which would confuse us

case "`\$make -f testmake.mak 2>/dev/null`" in

\*maketemp=\*) make\_set\_make='#' ;;

\*) make\_set\_make="MAKE=\$make" ;;

esac

\$rm

-f testmake.mak

::

esac

case "\$make\_set\_make" in

'#) echo "Yup, it does.";;

\*) echo "Nope, it doesn't.";;

esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/make.U

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getpgrp2.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_getpgrp2.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:15 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_getpgrp2: Inlibc
?MAKE: -pick add $@ %<
?S:d_getpgrp2:
?S: This variable conditionally defines the HAS_GETPGRP2 symbol, which
?S: indicates to the C program that the getpgrp2() (as in DG/UX) routine
?S: is available to get the current process group.
?S:.
?C:HAS_GETPGRP2 (GETPGRP2):
?C: This symbol, if defined, indicates that the
?C: getpgrp2() (as in DG/UX)
?C: routine is available to get the current process group.
?C:.
?H:#$d_getpgrp2 HAS_GETPGRP2 /**/
?H:.
?LINT:set d_getpgrp2
: see if getpgrp2 exists
set getpgrp2 d_getpgrp2
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_getpgrp2.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setprior.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_setprior.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:07:11 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setprior: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setprior:  
?S: This variable conditionally defines HAS\_SETPRIORITY if setpriority()  
?S: is available to set a process's priority.  
?S:.  
?C:HAS\_SETPRIORITY (SETPRIORITY):  
?C: This symbol, if defined, indicates that the setpriority routine is  
?C: available to set a process's priority.  
?C:.  
?H:#\$d\_setprior  
HAS\_SETPRIORITY /\*\*/  
?H:.  
?LINT:set d\_setprior  
: see if setpriority exists  
set setpriority d\_setprior  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_setprior.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: perlpath.U,v \$  
?RCS: Revision 3.0.1.2 1995/09/25 09:17:04 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.1 1995/01/11 15:33:53 ram  
?RCS: patch45: can now use Loc variables since path stripping is deferred  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:32 ram  
?RCS: Baseline for dist 3.0 netwide release.

```

?RCS:
?X:
?X: The purpose of this unit is to locate perl good enough to construct a #!
?X:
?MAKE:perlpath: Getfile Oldconfig Loc perl
?MAKE: -pick
add $@ %<
?Y:TOP
?S:perlpath:
?S: This variable contains the eventual value of the PERLPATH symbol,
?S: which contains the absolute location of the perl interpreter.
?S:.
?C:PERLPATH:
?C: This symbol contains the absolute location of the perl interpreter.
?C:.
?H:#define PERLPATH "$perlpath" /**/
?H:.
: determine perl absolute location
case "$perlpath" in
")
if test -f /usr/bin/perl; then
dflt=/usr/bin/perl
else
case "$perl" in
*/*) dflt="$perl";;
*) dflt=/usr/bin/perl;;
esac
fi
;;
*) dflt="$perlpath"
;;
esac
echo " "
fn=f~/
rp="Where is perl located on your system?"
./getfile
perlpath="$ans"

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/perlpath.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: models.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```



?RCS: as specified in the README file that comes with the distribution.

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: models.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:13:17 ram

?RCS: patch61: added ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:02:39 ram

?RCS: patch6: added default for large

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:17 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:models split small medium large huge: test cat Myread sysman Oldconfig \  
 Loc contains rm

?MAKE: -pick add \$@ %<

?S:models:

?S: This variable contains  
 the list of memory models supported by this

?S: system. Possible component values are none, split, unsplit, small,  
 ?S: medium, large, and huge. The component values are space separated.

?S:.

?S:split:

?S: This variable contains a flag which will tell the C compiler and loader  
 ?S: to produce a program that will run in separate I and D space, for those  
 ?S: machines that support separation of instruction and data space. It is  
 ?S: up to the Makefile to use this.

?S:.

?S:small:

?S: This variable contains a flag which will tell the C compiler and loader  
 ?S: to produce a program running with a small memory model. It is up to  
 ?S: the Makefile to use this.

?S:.

?S:medium:

?S: This variable contains a flag which will tell the C compiler and loader  
 ?S: to produce a program running with a medium memory model. If the  
 ?S: medium model is not supported, contains the flag to produce large  
 ?S: model programs. It is up to the Makefile to use this.

?S:.

?S:large:

?S: This variable contains a flag  
 which will tell the C compiler and loader  
 ?S: to produce a program running with a large memory model. It is up to  
 ?S: the Makefile to use this.

?S:.

?S:huge:

?S: This variable contains a flag which will tell the C compiler and loader  
?S: to produce a program running with a huge memory model. If the  
?S: huge model is not supported, contains the flag to produce large  
?S: model programs. It is up to the Makefile to use this.

?S:.

?T:unsplit tans modelcc

?F:!pdp11

?D:large=""

?LINT:extern cc

: see what memory models we can support

case "\$models" in

")

?X: We may not use Cppsym or we get a circular dependency through cc.

?X: But this should work regardless of which cc we eventually use.

\$cat >pdp11.c <<'EOP'

```
int main() {
```

```
#ifdef pdp11
```

```
    exit(0);
```

```
#else
```

```
    exit(1);
```

```
#endif
```

```
}
```

EOP

?X: Run cc in a subshell in case they don't have a 'cc' command.

?X: Presumably they do have gcc or something.

case "\$cc" in

") modelcc="\$cc" ;;

\*) modelcc="cc" ;;

esac

( \$modelcc -o pdp11 pdp11.c ) >/dev/null 2>&1

if

\$test -f pdp11 && ./pdp11 2>/dev/null; then

dflt='unsplit split'

else

tans=`./loc . X /lib/small /lib/large /usr/lib/small /usr/lib/large /lib/medium /usr/lib/medium /lib/huge`

case "\$tans" in

X) dflt='none';;

\*) if \$test -d /lib/small || \$test -d /usr/lib/small; then

dflt='small'

else

dflt=""

fi

if \$test -d /lib/medium || \$test -d /usr/lib/medium; then

dflt="\$dflt medium"

fi

if \$test -d /lib/large || \$test -d /usr/lib/large; then

dflt="\$dflt large"

fi

```

if $test -d /lib/huge || $test -d /usr/lib/huge; then
  dflt="$dflt huge"
fi
esac
fi;;
*) dflt="$models";;
esac
$cat <<EOM

```

Some systems have different model sizes. On most systems they are called small, medium, large, and huge. On the PDP11 they are called unsplit and split. If your system doesn't support different memory models, say "none". If you wish to force everything to one memory model, say "none" here and put the appropriate flags later when it asks you for other cc and ld flags.

Venix systems may wish to put "none" and let the compiler figure things out. (In the following question multiple model names should be space separated.)

The default for most systems is "none".

```

EOM
rp="Which memory models are supported?"
. ./myread
models="$ans"

case "$models" in
none)
  small="
  medium="
  large="
  huge="
  unsplit="
  split="
  ;;
*split)
case "$split" in
") if $contains \-i' $sysman/ld.1 >/dev/null 2>&1 || \
  $contains \-i' $sysman/cc.1 >/dev/null 2>&1; then
  dflt='-i'
else
  dflt='none'
fi;;
*) dflt="$split";;
esac
rp="What flag indicates separate I and D space?"
. ./myread
tans="$ans"
case "$tans" in

```

```

none) tans="";
esac
split="$tans"
unsplit="";
*large*|*small*|*medium*|*huge*)
case "$models" in
*large*)
case "$large" in
") dflt='-Ml';;
*) dflt="$large";;
esac
rp="What flag indicates large model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
large="$tans";;
*) large="";;
esac
case "$models"
in
*huge*) case "$huge" in
") dflt='-Mh';;
*) dflt="$huge";;
esac
rp="What flag indicates huge model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
huge="$tans";;
*) huge="$large";;
esac
case "$models" in
*medium*) case "$medium" in
") dflt='-Mm';;
*) dflt="$medium";;
esac
rp="What flag indicates medium model?"
./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
medium="$tans";;
*) medium="$large";;

```

```

esac
case "$models" in
*small*) case "$small" in
") dflt='none';;
*) dflt="$small";;
esac
rp="What flag indicates small model?"
. ./myread
tans="$ans"
case "$tans" in
none) tans="";
esac
small="$tans";;
*) small="";;
esac
;;
*)
echo "Unrecognized memory models--you may have to edit Makefile.SH" >&4
;;
esac
$rm -f pdp11.* pdp11

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/models.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: kernel.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: kernel.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:54 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:kernel: Getfile test

?MAKE: -pick add \$@ %<

?S:kernel:

?S: This variable becomes the (fully rooted) path name of the kernel.

?S:.

: find the name of the kernel.

echo " "

```

case "$kernel" in
")
if $test -r /unix; then
dflt=/unix
elif $test -r /vmunix; then
dflt=/vmunix
elif $test -r /xenix; then
dflt=/xenix
elif $test -r /mach; then
dflt=/mach
elif
$test -r /dgux; then
dflt=/dgux
elif $test -r /hp-ux; then
dflt=/hp-ux
elif $test -r /syst; then
dflt=/syst
elif $test -r /arix; then
dflt=/arix
elif $test -r /irix; then
dflt=/arix
else
dflt='unknown'
set X /*x
shift
case $# in
1)
if $test -r "$1"; then
dflt="$1"
fi
;;
esac
fi
;;
*)
dflt="$kernel"
;;
esac
fn=f
rp='What is the name of your kernel?'
./getfile
kernel="$ans"

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/kernel.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: mallocsrc.U,v 3.0.1.2 1997/02/28 16:10:26 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: mallocsrc.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:10:26 ram

?RCS: patch61: added support for Free\_t, the type of free()

?RCS: patch61: replaced .o with \$\_o all over the place

?RCS:

?RCS: Revision 3.0.1.1 1994/05/06 15:10:46 ram

?RCS: patch23: added support for MYMALLOC, mainly for perl5 (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:12 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:mallocsrc mallocobj usemallocwrap usemymalloc  
malloctype d\_mymalloc \  
freetype: Myread \  
Oldconfig package Guess Setvar rm cat +cc +ccflags Findhdr \  
i\_malloc i\_stdlib sed libs \_o ptrsize useithreads

?MAKE: -pick add \$@ %<

?X: Put near top so that other tests don't erroneously include

?X: -lmalloc. --AD 22 June 1998

?Y:TOP

?S:usemymalloc:

?S: This variable contains y if the malloc that comes with this package  
?S: is desired over the system's version of malloc. People often include  
?S: special versions of malloc for efficiency, but such versions are often  
?S: less portable. See also mallocsrc and mallocobj.  
?S: If this is 'y', then -lmalloc is removed from \$libs.

?S:.

?S:usemallocwrap:

?S: This variable contains y if we are wrapping malloc to prevent  
?S: integer overflow during size calculations.

?S:.

?S:mallocsrc:

?S: This variable contains the name of the malloc.c that comes with  
?S: the package, if that malloc.c is preferred over the system malloc.  
?S: Otherwise the value is null. This variable is intended for generating  
?S: Makefiles.

?S:.

?S:d\_mymalloc:

?S: This variable conditionally defines MYMALLOC in case other parts of the source want to take special action if MYMALLOC is used.

?S: This may include different sorts of profiling or error detection.

?S:.

?S:mallocobj:

?S: This variable contains the name of the malloc.o that this package generates, if that malloc.o is preferred over the system malloc.

?S: Otherwise the value is null. This variable is intended for generating Makefiles. See mallosrc.

?S:.

?S:freetype:

?S: This variable contains the return type of free(). It is usually void, but occasionally int.

?S:.

?S:malloctype:

?S: This variable contains the kind of ptr returned by malloc and realloc.

?S:.

?C:Free\_t:

?C: This variable contains the return type of free(). It is usually void, but occasionally int.

?C:.

?C:Malloc\_t (MALLOCPTRTYPE):

?C: This symbol is the type of pointer returned by malloc and realloc.

?C:.

?H:#define Malloc\_t \$malloctype /\*\*/

?H:#define Free\_t \$freetype /\*\*/

?H:.

?C:PERL\_MALLOC\_WRAP:

?C: This symbol, if defined, indicates that we'd like malloc wrap checks.

?C:.

?H:#\$usemallocwrap PERL\_MALLOC\_WRAP /\*\*/

?H:.

?C:MYMALLOC:

?C: This symbol, if defined, indicates that we're using our own malloc.

?C:.

?H:#\$d\_mymalloc MYMALLOC /\*\*/

?H:.

?LINT:extern usedevel

?LINT:change libs

?X: Cannot test for mallosrc; it is the unit's name and there is a bug in the interpreter which defines all the names, even though they are not used.

@if mallocobj

: determine whether to use malloc wrapping

echo " "

case "\$usemallocwrap" in

[yY]\*|true|\$define) dflt='y' ;;



```

[nN]*|false|$undef) dflt='n' ;;
*) case "$usedevel" in
[yY]*|true|$define) dflt='y' ;;
*) dflt='n' ;;
esac
;;
esac
rp="Do you wish to wrap malloc calls to protect against potential overflows?"
./myread
usemallocwrap="$ans"
case "$ans" in
y*|true)
usemallocwrap="$define" ;;
*)
usemallocwrap="$undef" ;;
esac

: determine which malloc to compile in
echo " "
case "$usemymalloc"
in
[yY]*|true|$define) dflt='y' ;;
[nN]*|false|$undef) dflt='n' ;;
*) case "$ptrsize" in
4) dflt='y' ;;
*) dflt='n' ;;
esac
if test "$useithreads" = "$define"; then dflt='n'; fi
;;
esac
rp="Do you wish to attempt to use the malloc that comes with $package?"
./myread
usemymalloc="$ans"
case "$ans" in
y*|true)
usemymalloc='y'
mallosrc='malloc.c'
mallocobj="malloc$_o"
d_mymalloc="$define"
?X: Maybe libs.U should be dependent on mallosrc.U, but then
?X: most packages that use dist probably don't supply their own
?X: malloc, so this is probably an o.k. compromise
case "$libs" in
*-lmalloc*)
: Remove malloc from list of libraries to use
echo "Removing unneeded -lmalloc from library list" >&4
set `echo X $libs | $sed -e 's/-lmalloc //' -e 's/-lmalloc$/'`
shift

```

```

libs="$*"
echo "libs = $libs" >&4
;;
esac
;;
*)
usemymalloc='n'
malloclsrc=""
malloclobj=""
d_mymalloc="$undef"
;;
esac

@end
@if MALLOC_PTRTYPE || Malloc_t || Free_t
: compute the return types of
malloc and free
echo " "
$cat >malloc.c <<END
#$i_malloc I_MALLOC
#$i_stdlib I_STDLIB
#include <stdio.h>
#include <sys/types.h>
#ifdef I_MALLOC
#include <malloc.h>
#endif
#ifdef I_STDLIB
#include <stdlib.h>
#endif
#ifdef TRY_MALLOC
void *malloc();
#endif
#ifdef TRY_FREE
void free();
#endif
END
@if MALLOC_PTRTYPE || Malloc_t
case "$malloctype" in
")
if $cc $ccflags -c -DTRY_MALLOC malloc.c >/dev/null 2>&1; then
malloctype='void *'
else
malloctype='char *'
fi
;;
esac
echo "Your system wants malloc to return '$malloctype', it would seem." >&4
@end

```

```

@if Free_t
case "$freetype" in
")
if $cc $cflags -c -DTRY_FREE malloc.c >/dev/null 2>&1; then
freetype='void'
else
freetype='int'
fi
;;
esac
echo "Your system uses $freetype free(), it would seem." >&4
@end
$rm -f malloc.[co]
@end

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/mallocsrc.U

```

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?RCS: \$Id\$

?RCS:

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?RCS:

?RCS: \$Log: d\_vfork.U,v \$

?RCS: Revision 3.0.1.6 1994/08/29 16:18:21 ram

?RCS: patch32: set default to 'y' the first time

?RCS:

?RCS: Revision 3.0.1.5 1994/06/20 06:59:14 ram

?RCS: patch30: usevfork was not always properly set

?RCS:

?RCS: Revision 3.0.1.4 1994/05/13 15:20:56 ram

?RCS: patch27: modified to avoid spurious Whoa warnings (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/05/06 14:59:09 ram

?RCS: patch23: now explicitly ask whether vfork() should be used (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1993/10/16

13:49:39 ram

?RCS: patch12: added magic for vfork()

?RCS:

```

?RCS: Revision 3.0.1.1 1993/09/13 16:06:57 ram
?RCS: patch10: removed automatic remapping of vfork on fork (WAD)
?RCS: patch10: added compatibility code for older config.sh (WAD)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:07:55 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_vfork usevfork: Inlibc Myread Oldconfig Setvar
?MAKE: -pick add $@ %<
?S:d_vfork:
?S: This variable conditionally defines the HAS_VFORK symbol, which
?S: indicates the vfork() routine is available.
?S:.
?S:usevfork:
?S: This variable is set to true when the user accepts to use vfork.
?S: It is set to false when no vfork is available or when the user
?S: explicitly requests not to use vfork.
?S:.
?C:HAS_VFORK (VFORK):
?C: This symbol, if defined, indicates that vfork() exists.
?C:.
?H:#$d_vfork HAS_VFORK /**/
?H:.
?M:vfork: HAS_VFORK
?M:#ifndef HAS_VFORK
?M:#define vfork fork
?M:#endif
?M:.
?LINT:set d_vfork
: see if there is a vfork
val="
set
vfork val
eval $inlibc

: Ok, but do we want to use it. vfork is reportedly unreliable in
: perl on Solaris 2.x, and probably elsewhere.
case "$val" in
$define)
echo " "
case "$usevfork" in
false) dflt='n';;
*) dflt='y';;
esac
rp="Some systems have problems with vfork(). Do you want to use it?"
. /myread
case "$ans" in
y|Y) ;;

```

```

*)
echo "Ok, we won't use vfork()."
val="$undef"
;;
esac
;;
esac
?X:
?X: Only set it when final value is known to avoid spurious Whoas
?X: Then set usevfork accordingly to the current value, for next run
?X:
set d_vfork
eval $setvar
case "$d_vfork" in
$define) usevfork='true';;
*) usevfork='false';;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_vfork.U

```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: selecttype.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 16:20:09 ram

?RCS: patch61: always include <sys/select.h> when available for test

?RCS:

?RCS: Revision 3.0.1.2 1995/07/25 14:14:06 ram

?RCS: patch56: removed harmful spaces in assignment

?RCS:

?RCS: Revision 3.0.1.1 1994/06/20 07:06:31 ram

?RCS: patch30: created by ADO

?RCS:

?MAKE:selecttype: cat +cc +ccflags rm Oldconfig Myread \

d\_fd\_set d\_select d\_socket i\_systeme

```

i_sysselect
?MAKE: -pick add $@ %<
?S:selecttype:
?S: This variable holds the type used for the 2nd, 3rd, and 4th
?S: arguments to select. Usually, this is 'fd_set *', if HAS_FD_SET
?S: is defined, and 'int *' otherwise. This is only useful if you
?S: have select(), naturally.
?S:.
?C:Select_fd_set_t:
?C: This symbol holds the type used for the 2nd, 3rd, and 4th
?C: arguments to select. Usually, this is 'fd_set *', if HAS_FD_SET
?C: is defined, and 'int *' otherwise. This is only useful if you
?C: have select(), of course.
?C:.
?H:#define Select_fd_set_t $selecttype /**/
?H:.
?T:xxx yyy
: check for type of arguments to select. This will only really
: work if the system supports prototypes and provides one for
: select.
case "$d_select" in
$define)
: Make initial guess
case "$selecttype" in
"|' ')
case "$d_fd_set" in
$define) xxx='fd_set *' ;;
*) xxx='int *' ;;
esac
;;
*) xxx="$selecttype"
;;
esac
: backup guess
case "$xxx" in
'fd_set *') yyy='int *'
;;
'int *') yyy='fd_set *' ;;
esac

$cat <<EOM

```

Checking to see what type of arguments are expected by select().

EOM

```

$cat >try.c <<EOCP
#$i_systime I_SYS_TIME
#$i_sysselect I_SYS_SELECT
#$d_socket HAS_SOCKET

```

```

#include <sys/types.h>
#ifdef HAS_SOCKET
#include <sys/socket.h> /* Might include <sys/bsdtypes.h> */
#endif
#ifdef I_SYS_TIME
#include <sys/time.h>
#endif
#ifdef I_SYS_SELECT
#include <sys/select.h>
#endif
int main()
{
int width;
Select_fd_set_t readfds;
Select_fd_set_t writefds;
Select_fd_set_t exceptfds;
struct timeval timeout;
select(width, readfds, writefds, exceptfds, &timeout);
exit(0);
}
EOCP
if $cc $ccflags -c -DSelect_fd_set_t="$xxx" try.c >/dev/null 2>&1 ; then
selecttype="$xxx"
echo "Your system uses $xxx for the arguments to select." >&4
elif $cc $ccflags -c -DSelect_fd_set_t="$yyy" try.c >/dev/null 2>&1 ; then
selecttype="$yyy"
echo "Your system uses $yyy for the arguments to select." >&4
else
rp='What is the type for the 2nd, 3rd, and 4th arguments
to select?'
dflt="$xxx"
./myread
selecttype="$ans"
fi
$rm -f try.[co]
;;
*) selecttype='int *'
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/selecttype.U

```

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?RCS:

?MAKE:i\_fenv: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_fenv:  
?S: This variable conditionally defines the I\_FENV symbol, which  
?S: indicates to the C program that <fenv.h> exists and should  
?S: be included.  
?S:.  
?C:I\_FENV:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <fenv.h> to get the floating point environment definitions.  
?C:.  
?H:#\$i\_fenv I\_FENV /\*\*/  
?H:.  
?LINT:set i\_fenv  
: see if this is a fenv.h system  
set fenv.h i\_fenv  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_fenv.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_tmpnam\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_tmpnam\_r tmpnam\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_tmpnam\_r:  
?S: This variable conditionally defines the HAS\_TMPNAM\_R symbol,  
?S: which indicates to the C program that the tmpnam\_r()  
?S: routine is available.  
?S:.  
?S:tmpnam\_r\_proto:  
?S: This variable encodes the prototype of tmpnam\_r.  
?S: It is zero if d\_tmpnam\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_tmpnam\_r  
?S: is defined.  
?S:.  
?C:HAS\_TMPNAM\_R:  
?C: This symbol, if defined, indicates that the tmpnam\_r routine  
?C: is available to tmpnam re-entrantly.



```

?C:.
?C:TMPNAM_R_PROTO:
?C: This
symbol encodes the prototype of tmpnam_r.
?C: It is zero if d_tmpnam_r is undef, and one of the
?C: REENTRANT_PROTO_T_ABC macros of reentr.h if d_tmpnam_r
?C: is defined.
?C:.
?H:#$d_tmpnam_r HAS_TMPNAM_R /**/
?H:#define TMPNAM_R_PROTO $tmpnam_r_proto /**/
?H:.
?T:try hdrs d_tmpnam_r_proto
: see if tmpnam_r exists
set tmpnam_r d_tmpnam_r
eval $inlibc
case "$d_tmpnam_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h "
case "$d_tmpnam_r_proto:$usethreads" in
":define") d_tmpnam_r_proto=define
set d_tmpnam_r_proto tmpnam_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_tmpnam_r_proto" in
define)
case "$tmpnam_r_proto" in
"|0) try='char* tmpnam_r(char*);'
./protechk "$extern_C $try" $hdrs && tmpnam_r_proto=B_B ;;
esac
case "$tmpnam_r_proto" in
"|0) d_tmpnam_r=undef
tmpnam_r_proto=0
echo "Disabling tmpnam_r, cannot determine prototype." >&4 ;;
* ) case "$tmpnam_r_proto" in
REENTRANT_PROTO*) ;;
*) tmpnam_r_proto="REENTRANT_PROTO_$tmpnam_r_proto"
;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "tmpnam_r has no prototype, not using it." >&4 ;;
esac
d_tmpnam_r=undef
tmpnam_r_proto=0
;;

```

```
esac
;;
*) tmpnam_r_proto=0
;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_tmpnam_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_mntent.U,v $
?RCS:
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:i_mntent: Inhdr Hasfield
?MAKE: -pick add $@ %<
?S:i_mntent:
?S: This variable conditionally defines the I_MNTENT symbol, and indicates
?S: whether a C program should include <mntent.h>.
?S:.
?C:I_MNTENT:
?C: This symbol, if defined, indicates that <mntent.h> exists and
?C: should be included.
?C:.
?H:#$i_mntent I_MNTENT /**/
?H:.
?LINT:set i_mntent
: see if this is a mntent.h system
set mntent.h i_mntent
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_mntent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
```

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: modetype.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:25:07 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:modetype: Myread Typedef

?MAKE: -pick add \$@ %<

?S:modetype:

?S: This variable defines modetype to be something like mode\_t,

?S: int, unsigned short, or whatever type is used to declare file

?S: modes for system calls.

?S:.

?C:Mode\_t:

?C: This symbol holds the type used to declare file modes

?C: for systems calls.

It is usually mode\_t, but may be

?C: int or unsigned short. It may be necessary to include <sys/types.h>

?C: to get any typedef'ed information.

?C:.

?H:#define Mode\_t \$modetype /\* file mode parameter for system calls \*/

?H:.

: see what type is used for mode\_t

set mode\_t modetype int stdio.h sys/types.h

eval \$typedef

dflt="\$modetype"

echo " "

rp="What type is used for file modes?"

./myread

modetype="\$ans"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/modetype.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_log2: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_log2:

?S: This variable conditionally defines the HAS\_LOG2 symbol, which

?S: indicates to the C program that the log2() routine is available

?S: to compute log base two.

?S:.

?C:HAS\_LOG2:  
?C: This symbol, if defined, indicates that the log2 routine is  
?C: available to do the log2 function.  
?C:.  
?H:#\$d\_log2 HAS\_LOG2 /\*\*/  
?H:.  
?LINT:set d\_log2  
: see if log2 exists  
set log2 d\_log2  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_log2.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: voidflags.U,v 3.0.1.2 1997/02/28 16:27:58 ram Exp \$  
?RCS:  
?RCS: Copyright (c) 1991-1993, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: voidflags.U,v \$  
?RCS: Revision 3.0.1.2 1997/02/28 16:27:58 ram  
?RCS: patch61: don't prompt them if the void support is high enough for us  
?RCS:  
?RCS: Revision 3.0.1.1 1995/01/11 15:37:44 ram  
?RCS: patch45: cosmetic change to avoid spurious blank lines when using -s  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:10:01 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:voidflags defvoidused: cat rm\_try contains +cc +ccflags package \  
Oldconfig  
Myread i\_stdlib  
?MAKE: -pick add \$@ %<  
?S:voidflags:  
?S: This variable contains the eventual value of the VOIDFLAGS symbol,  
?S: which indicates how much support of the void type is given by this  
?S: compiler. See VOIDFLAGS for more info.  
?S:.  
?S:defvoidused:  
?S: This variable contains the default value of the VOIDUSED symbol (15).  
?S:.

?X: Exceptionally, we have to explicitly alias the symbol name for  
?X: config\_h.SH, otherwise the comment would not appear.

?C: VOIDFLAGS ~ %<:  
?C: This symbol indicates how much support of the void type is given by this  
?C: compiler. What various bits mean:  
?C:  
?C: 1 = supports declaration of void  
?C: 2 = supports arrays of pointers to functions returning void  
?C: 4 = supports comparisons between pointers to void functions and  
?C: addresses of void functions  
?C: 8 = supports declaration of generic void pointers  
?C:  
?C: The package designer should define VOIDUSED to indicate the requirements  
?C: of the package. This can be done either  
by #defining VOIDUSED before  
?C: including config.h, or by defining defvoidused in Myinit.U. If the  
?C: latter approach is taken, only those flags will be tested. If the  
?C: level of void support necessary is not present, defines void to int.  
?C:.

```
?H:%<:#ifndef VOIDUSED
?H:%<:#define VOIDUSED $defvoidused
?H:%<:#endif
?H:%<:#define VOIDFLAGS $voidflags
?H:%<:#if (VOIDFLAGS & VOIDUSED) != VOIDUSED
?H:%<:#define void int /* is void to be avoided? */
?H:%<:#define M_VOID /* Xenix strikes again */
?H:%<:#endif
?H:.
```

?INIT:: full support for void wanted by default  
?INIT: defvoidused=15  
?INIT:  
?LINT: known void M\_VOID VOIDUSED  
: check for void type  
echo " "  
echo "Checking to see how well your C compiler groks the void type..." >&4  
case "\$voidflags" in  
")  
\$cat >try.c <<EOCP  
#i\_stdlib I\_STDLIB  
#ifdef I\_STDLIB  
#include <stdlib.h>  
#endif  
#if TRY & 1  
void sub() {  
#else  
sub() {  
#endif  
extern void moo(); /\* function returning void \*/

```

void (*goo)(); /* ptr to func returning void
*/
#if TRY & 8
void *hue; /* generic ptr */
#endif
#if TRY & 2
void (*foo[10])();
#endif

#if TRY & 4
if(goo == moo) {
    exit(0);
}
#endif
exit(0);
}
int main() { sub(); }
EOCP

```

?X: This unit used to use cc -S in those tests to try to speed up things, but

?X: unfortunately, AIX 3.2 does not support this option.

```
if $cc $cflags -c -DTRY=$defvoidused try.c >.out 2>&1 ; then
```

```
voidflags=$defvoidused
```

```
echo "Good. It appears to support void to the level $package wants.">&4
```

```
if $contains warning .out >/dev/null 2>&1; then
```

```
echo "However, you might get some warnings that look like this:"
```

```
$cat .out
```

```
fi
```

```
else
```

```
echo "Hmm, your compiler has some difficulty with void. Checking further..." >&4
```

```
if $cc $cflags -c -DTRY=1 try.c >/dev/null 2>&1; then
```

```
echo "It supports 1..."
```

```
if $cc $cflags -c -DTRY=3 try.c >/dev/null 2>&1; then
```

```
echo "It also supports 2..."
```

```
if $cc $cflags -c -DTRY=7 try.c >/dev/null 2>&1; then
```

```
voidflags=7
```

```
echo "And it supports 4 but not 8 definitely."
```

```
else
```

```
echo
```

```
"It doesn't support 4..."
```

```
if $cc $cflags -c -DTRY=11 try.c >/dev/null 2>&1; then
```

```
voidflags=11
```

```
echo "But it supports 8."
```

```
else
```

```
voidflags=3
```

```
echo "Neither does it support 8."
```

```
fi
```

```
fi
```

```
else
```

```

echo "It does not support 2..."
if $cc $ccflags -c -DTRY=13 try.c >/dev/null 2>&1; then
    voidflags=13
    echo "But it supports 4 and 8."
else
    if $cc $ccflags -c -DTRY=5 try.c >/dev/null 2>&1; then
        voidflags=5
        echo "And it supports 4 but has not heard about 8."
    else
        echo "However it supports 8 but not 4."
    fi
fi
fi
else
    echo "There is no support at all for void."
    voidflags=0
fi
fi
esac
?X: Only prompt user if support does not match the level we want
case "$voidflags" in
"$defvoidused") ;;
*) $cat >&4 <<'EOM'
Support flag bits are:
    1: basic void declarations.
    2: arrays of pointers to functions returning void.
    4: operations between pointers to and addresses of
void functions.
    8: generic void pointers.
EOM
dflt="$voidflags";
rp="Your void support flags add up to what?"
. ./myread
voidflags="$ans"
;;
esac
$rm_try

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/voidflags.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_setsent.U,v 3.0 1993/08/18 12:06:09 ram Exp $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: d\_setsent.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:06:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_setsent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_setsent:  
?S: This variable conditionally defines HAS\_SETSERVENT if setservernt() is  
?S: available.  
?S:.  
?C:HAS\_SETSERVENT:  
?C: This symbol, if defined, indicates that the setservernt() routine is  
?C: available.  
?C:.  
?H:#\$d\_setsent HAS\_SETSERVENT /\*\*/  
?H:.  
?LINT:set d\_setsent  
: see if setservernt exists  
set  
setservernt d\_setsent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_setsent.U

No license file was found, but licenses were detected in source scan.

Perl5 Metaconfig Units

Copyright (c) 1996-1998, Andy Dougherty

Copyright (c) 1999-2011, H.Merijn Brand

All rights reserved.

These units are the ones used to build Configure and config\_h.SH  
in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you  
installed dist). It will then recurse through the 'U' subdirectory  
and find any additional "private" units. Private units override  
standard ones supplied with metaconfig.

Files in this directory:



## README

This file.

### Glossary.patch

The standard dist units contain some strings that make pod2man complain. This patch silences those warnings. As new units are added and Configure is regenerated, this patch may need more and more 'fuzz' to be applied. It should be freshly regenerated every once in a while. See also mkgloss.pl

### In-all.pl

Re-generate the all/ folder

### mkglossary

A script

to regenerate Porting/Glossary. You have to manually edit the top of the script to point the location of your metaconfig units. It is called automatically by 'mksample'. See also mkgloss.pl

### mkgloss.pl

A perl script that calls U/mkglossary from the perl source tree, sorts the list of symbols, and applies the patch mentioned in Glossary.patch. When called on its own, redirect the output to a temporary file, and compare that file to Porting/Glossary before applying.

### mksample

A script to regenerate Porting/config.sh and Porting/config.H. It also calls mkglossary, if necessary.

### Subdirectories:

The units and other related files have been broken up into the following directories.

#### a\_dvisory/

These are units that have to go first in the generated config\_h.SH. A word of explanation: Configure and config\_h.SH are generated from 'Units' (the \*.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies.

However, config\_h.SH

is simply built by putting all the units in alphabetical order and extracting the relevant lines. (This could be fixed, I suppose, but it wasn't trivial the one time I looked.)

The a\_dvisory/ directory, then, is a place to put units that need to be early in config\_h.SH. (Most units are self-contained and ought to be able to go anywhere. However, some things, like byteorder, need to have the #defines from multiarch available.)

acl/

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

all/

A folder that conveniently holds symbolic links to all the modules that are used to build the current Configure and config\_h.SH.

compline/

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. (The cflags.U unit is perl-specific since it mentions -DDEBUGGING and -DPOSIX\_SOURCE, but that's the only place it is perl-specific.)

dist\_patches/

These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution. They have already been applied to the ../dist-3.0at70b directory.

ebcdic/

These are units that had to be specially modified to work under either EBCDIC or ASCII.

installdirs/

These are units to handle perl's installation directories and related issues.

modified/

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

nullified/

These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that metaconfig thinks means we want the corresponding unit.

perl/

These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

perl\_patches/

These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

protos/

These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

threads/

These are specific to threading perl.

typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typedef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for \*me\* to actively maintain it, the units just sit here.

Copyright Information:

Unless otherwise indicated, the files contained in this distribution are:

Copyright (c) 1996-1998, Andy Dougherty

The following licensing terms apply to all files contained in this distribution:

You may distribute the files contained in this distribution under the terms of either

- a) the "Artistic License" which comes with Perl, or
- b) the "Artistic License" which comes with dist, or
- c) the GNU General Public License as published by the Free Software Foundation; either version 1, or (at your option) any later version (see the file "Copying" that comes with the Perl distribution).

Which one to use is your choice.

The units in the "modified" directory have been derived from units associated with the metaconfig program of Raphael Manfredi's "dist" distribution. These units list Raphael Manfredi as the Copyright holder. dist is distributed under a modified version of the Perl Artistic License. Clause 7 of this modified license as contained in dist-3.0-pl60 provides:

7. You may reuse parts of this Package in your own programs, provided that you explicitly state where you got them from, in the source code (and, left to your courtesy, in the documentation), duplicating all the associated copyright notices and disclaimers. Besides your changes, if any, must be clearly marked as such. Parts reused that way will no longer fall under this license if, and only if, the name of your program(s) have no immediate connection with the name of the Package itself or its associated programs. You may then apply whatever restrictions you wish on the reused parts or choose to place them in the Public Domain--this will apply only within the context of your package.

In accordance with this clause, the versions of these units contained here are made available under the same terms as the rest of the units.

If you have any questions about the use of these units or about the differences between these units and the standard versions, please feel free to ask.

Andy Dougherty [doughera@lafayette.edu](mailto:doughera@lafayette.edu)  
Dept. of Physics  
Lafayette College  
Easton, PA 18042-1782

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/README

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_eaccess: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_eaccess:  
?S: This variable conditionally defines the HAS\_EACCESS symbol, which  
?S: indicates to the C program that the eaccess() routine is available.  
?S:.  
?C:HAS\_EACCESS :  
?C: This symbol, if defined, indicates that the eaccess routine is  
?C: available to do extended access checks.  
?C:.  
?H:#\$d\_eaccess HAS\_EACCESS /\*\*/  
?H:.  
?LINT:set d\_eaccess  
: see if eaccess exists  
set eaccess d\_eaccess  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/acl/d\_eaccess.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_termio.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_termio.U,v \$  
?RCS: Revision 3.0.1.4 1994/10/29 16:20:54 ram  
?RCS: patch36: call ./usg and ./Cpplib explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0.1.3 1994/08/29 16:26:38 ram  
?RCS: patch32: don't include all three I\_\* symbols in config.h  
?RCS: patch32: (had forgotten to undo this part last time)  
?RCS:  
?RCS: Revision 3.0.1.2 1994/05/13 15:25:03 ram  
?RCS: patch27: undone ADO's fix in previous patch since it was useless  
?RCS:  
?RCS:  
Revision 3.0.1.1 1994/05/06 15:05:23 ram  
?RCS: patch23: now include all three defines in config.h (ADO)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:44 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:

```

?MAKE:i_termio i_sgty i_termios: test Inlibc Cppsym Guess Setvar Findhdr Warn run
?MAKE: -pick add $@ %<
?S:i_termio:
?S: This variable conditionally defines the I_TERMIO symbol, which
?S: indicates to the C program that it should include <termio.h> rather
?S: than <sgty.h>.
?S:.
?S:i_termios:
?S: This variable conditionally defines the I_TERMIOS symbol, which
?S: indicates to the C program that the POSIX <termios.h> file is
?S: to be included.
?S:.
?S:i_sgty:
?S: This variable conditionally defines the I_SGTTY symbol, which
?S: indicates to the C program that it should include <sgty.h> rather
?S: than <termio.h>.
?S:.
?C:I_TERMIO:
?C: This symbol, if defined, indicates that the program should include
?C: <termio.h> rather than <sgty.h>. There are also differences in
?C: the
?C: ioctl() calls that depend on the value of this symbol.
?C:.
?C:I_TERMIOS:
?C: This symbol, if defined, indicates that the program should include
?C: the POSIX termios.h rather than sgty.h or termio.h.
?C: There are also differences in the ioctl() calls that depend on the
?C: value of this symbol.
?C:.
?C:I_SGTTY:
?C: This symbol, if defined, indicates that the program should include
?C: <sgty.h> rather than <termio.h>. There are also differences in
?C: the ioctl() calls that depend on the value of this symbol.
?C:.
?H:#$i_termio I_TERMIO /**/
?H:#$i_termios I_TERMIOS /**/
?H:#$i_sgty I_SGTTY /**/
?H:.
?T:val2 val3
?LINT:set i_termio i_sgty i_termios
: see if this is a termio system
val="$undef"
val2="$undef"
val3="$undef"
?X: Prefer POSIX-approved termios.h over all else
if $test `./findhdr termios.h`; then
    set tcsetattr i_termios
    eval $inlibc

```

```

    val3="$i_termios"
fi
echo " "
case "$val3" in
    "$define") echo "You have POSIX termios.h... good!" >&4;;
    *)
        if ./Cppsymb.py; then
            case "`$run /bin/universe`" in
                ucb) if $test `./findhdr sgTTY.h`; then
                    val2="$define"
                    echo "<sgTTY.h> found." >&4
                    else
                        echo "System is pyramid with BSD universe."
                        ./warn "<sgTTY.h> not found--you could have problems."
                        fi;;
                *) if $test `./findhdr termio.h`; then
                    val="$define"
                    echo "<termio.h> found." >&4
                    else
                        echo "System is pyramid with USG universe."
                        ./warn "<termio.h> not found--you could have problems."
                        fi;;
            esac
        ?X: Start with USG to avoid problems if both usg/bsd was guessed
        elif ./usg; then
            if $test `./findhdr termio.h`; then
                echo "<termio.h> found." >&4
                val="$define"
                elif $test `./findhdr sgTTY.h`; then
                    echo "<sgTTY.h> found." >&4
                    val2="$define"
                    else
                        ./warn "Neither <termio.h> nor <sgTTY.h> found--cross fingers!"
                        fi
                    else
                        if $test `./findhdr sgTTY.h`; then
                            echo "<sgTTY.h> found." >&4
                            val2="$define"
                            elif $test `./findhdr termio.h`; then
                                echo "<termio.h>
                                found." >&4
                                val="$define"
                                else
                                    ./warn "Neither <sgTTY.h> nor <termio.h> found--cross fingers!"
                                    fi
                                fi;;
                            esac
                        set i_termio; eval $setvar

```

```
val=$val2; set i_sgtty; eval $setvar
val=$val3; set i_termios; eval $setvar
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i_termio.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2001 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

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?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 3.0.
```

```
?RCS:
```

```
?MAKE:d_dbminiproto: Hasproto i_dbm
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_dbminiproto:
```

```
?S: This variable conditionally defines the HAS_DBMINIT_PROTO symbol,
```

```
?S: which indicates to the C program that the system provides
```

```
?S: a prototype for the dbminiproto() function. Otherwise, it is
```

```
?S: up to the program to supply one.
```

```
?S:.
```

```
?C:HAS_DBMINIT_PROTO:
```

```
?C: This symbol, if defined, indicates that the system provides
```

```
?C: a prototype for the dbminiproto() function. Otherwise, it is up
```

```
?C: to the program to supply one. A good guess is
```

```
?C: extern
```

```
int dbminiproto(char *);
```

```
?C:.
```

```
?H:#$d_dbminiproto HAS_DBMINIT_PROTO /**/
```

```
?H:.
```

```
?LINT:set d_dbminiproto
```

```
: see if prototype for dbminiproto is available
```

```
echo " "
```

```
set d_dbminiproto dbminiproto $i_dbm dbm.h
```

```
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_dbminiproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_dirent.U,v 3.0.1.4 1994/10/29 16:20:01 ram Exp $
```

```
?RCS:
```



?RCS: Copyright (c) 1991-1993, Raphael Manfredi

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: i\_dirent.U,v \$

?RCS: Revision 3.0.1.4 1994/10/29 16:20:01 ram

?RCS: patch36: failed scanning for 'd\_namlen' with missing <dirent.h> (ADO)

?RCS:

?RCS: Revision 3.0.1.3 1994/06/20 07:01:25 ram

?RCS: patch30: added direntrytype for hints, merely for NeXT (ADO)

?RCS: patch30: now checks for both struct dirent and direct (ADO)

?RCS:

?RCS: Revision 3.0.1.2 1994/05/13 15:22:37 ram

?RCS: patch27: new variable direntrytype for proper type setting (ADO)

?RCS:

?RCS:

Revision 3.0.1.1 1994/01/24 14:11:15 ram

?RCS: patch16: added new Direntry\_t pseudo-type for directory entries

?RCS:

?RCS: Revision 3.0 1993/08/18 12:08:17 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit looks whether there is a dirent system or not

?X:

?MAKE:i\_dirent d\_dirnamlen direntrytype: test contains Setvar \  
Myread Findhdr cppstdin cppflags cppminus rm\_try

?MAKE: -pick add \$@ %<

?S:i\_dirent:

?S: This variable conditionally defines I\_DIRENT, which indicates  
?S: to the C program that it should include <dirent.h>.

?S:.

?S:d\_dirnamlen:

?S: This variable conditionally defines DIRNAMLEN, which indicates  
?S: to the C program that the length of directory entry names is  
?S: provided by a d\_namelen field.

?S:.

?S:direntrytype:

?S: This symbol is set to 'struct direct' or 'struct dirent' depending on  
?S: whether dirent is available or not. You should use this pseudo type to  
?S: portably declare your directory entries.

?S:.

?C:I\_DIRENT:

?C: This symbol,

if defined, indicates to the C program that it should

?C: include <dirent.h>. Using this symbol also triggers the definition

?C: of the Direntry\_t define which ends up being 'struct dirent' or

?C: 'struct direct' depending on the availability of <dirent.h>.

?C:.

?C:DIRNAMLEN:

?C: This symbol, if defined, indicates to the C program that the length

?C: of directory entry names is provided by a d\_namlen field. Otherwise

?C: you need to do strlen() on the d\_name field.

?C:.

?C:Direntry\_t:

?C: This symbol is set to 'struct direct' or 'struct dirent' depending on

?C: whether dirent is available or not. You should use this pseudo type to

?C: portably declare your directory entries.

?C:.

```
?H:#$i_dirent I_DIRENT /**/
?H:#$d_dirnamlen DIRNAMLEN /**/
?H:?%<:@if I_DIRENT && Direntry_t
?H:?%<:#define Direntry_t $direntrytype
?H:?%<:@end
?H:.
```

```
?T:xinc guess1 guess2
?LINT:set i_dirent d_dirnamlen
: see if this is a dirent system
echo " "
if xinc=`./findhdr dirent.h`; $test "$xinc"; then
val="$define"
echo
"<dirent.h> found." >&4
else
val="$undef"
if xinc=`./findhdr sys/dir.h`; $test "$xinc"; then
echo "<sys/dir.h> found." >&4
echo " "
else
xinc=`./findhdr sys/ndir.h`
fi
echo "<dirent.h> NOT found." >&4
fi
set i_dirent
eval $setvar
```

?X: Use struct dirent or struct direct? If we're using dirent.h,

?X: it's probably struct dirent, but apparently not always.

?X: Assume \$xinc still contains the name of the header file we're using.

```
@if direntrytype || Direntry_t
: Look for type of directory structure.
echo " "
```

```

$cppstdin $cppflags $cppminus < "$xinc" > try.c

case "$direntrytype" in
'|' )
case "$i_dirent" in
$define) guess1='struct dirent' ;;
*) guess1='struct direct' ;;
esac
;;
*) guess1="$direntrytype"
;;
esac

case "$guess1" in
'struct dirent') guess2='struct direct' ;;
*) guess2='struct dirent' ;;
esac

if $contains "$guess1" try.c >/dev/null 2>&1; then
direntrytype="$guess1"
echo "Your directory entries are $direntrytype." >&4
elif $contains "$guess2"
try.c >/dev/null 2>&1; then
direntrytype="$guess2"
echo "Your directory entries seem to be $direntrytype." >&4
else
echo "I don't recognize your system's directory entries." >&4
rp="What type is used for directory entries on this system?"
dflt="$guess1"
./myread
direntrytype="$ans"
fi
$rm_try

@end
@if d_dirnamlen || DIRNAMLEN
: see if the directory entry stores field length
echo " "
$cppstdin $cppflags $cppminus < "$xinc" > try.c
if $contains 'd_namlen' try.c >/dev/null 2>&1; then
echo "Good, your directory entry keeps length information in d_namlen." >&4
val="$define"
else
echo "Your directory entry does not know about the d_namlen field." >&4
val="$undef"
fi
set d_dirnamlen
eval $setvar

```

\$rm\_try

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/i\_dirent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: archname.U,v 3.0.1.3 1997/02/28 15:24:32 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: archname.U,v \$

?RCS: Revision 3.0.1.3 1997/02/28 15:24:32 ram

?RCS: patch61: changed the way the archname is mangled from uname

?RCS:

?RCS: Revision 3.0.1.2 1995/05/12 12:05:24 ram

?RCS: patch54: protect against spaces in "uname -m" output (ADO)

?RCS:

?RCS: Revision 3.0.1.1 1995/02/15 14:14:21 ram

?RCS: patch51: created

?RCS:

?MAKE:archname myarchname useversionedarchname: sed Loc Myread Oldconfig \

osname test rm usethreads usemultiplicity use64bitint

use64bitall \

archname64 uselongdouble longdblsize doublesize targetarch Setvar \

api\_versionstring usequadmath

?MAKE: -pick add \$@ %<

?S:archname:

?S: This variable is a short name to characterize the current

?S: architecture. It is used mainly to construct the default archlib.

?S:.

?S:myarchname:

?S: This variable holds the architecture name computed by Configure in

?S: a previous run. It is not intended to be perused by any user and

?S: should never be set in a hint file.

?S:.

?S:useversionedarchname:

?S: This variable indicates whether to include the \$api\_versionstring

?S: as a component of the \$archname.

?S:.

?C:ARCHNAME:

?C: This symbol holds a string representing the architecture name.

?C: It may be used to construct an architecture-dependant pathname

?C: where library files may be held under a private library, for

?C: instance.

?C:.

```
?H:#define ARCHNAME "$archname" /**/
```

?H:.

```
?T:xxx tarch
```

```
?F:!archname.cbu
```

```
?INIT:archname="
```

```
: determine the architecture name
```

```
echo " "
```

?X:

We always recompute archname in case osname changes. However, we need

?X: to be careful since, as ADO rightfully pointed out, some systems pick

?X: silly architecture names (0001307135000-aix on AIX or 9000/715-ux under

?X: HP-UX). Therefore, we allow hint files to supersede our guess and ask

?X: the user for confirmation.

```
if xxx=`./loc arch blurfl $pth`; $test -f "$xxx"; then
```

```
  tarch=`arch`-$osname"
```

```
elif xxx=`./loc uname blurfl $pth`; $test -f "$xxx" ; then
```

```
  if uname -m > tmparch 2>&1 ; then
```

```
    tarch=`$sed -e 's/ *$//' -e 's/ /_/' \
```

```
      -e 's/$/"-$osname/" tmparch`
```

```
  else
```

```
    tarch="$osname"
```

```
  fi
```

```
  $rm -f tmparch
```

```
else
```

```
  tarch="$osname"
```

```
fi
```

```
case "$myarchname" in
```

```
"|$tarch") ;;
```

```
*)
```

```
  echo "(Your architecture name used to be $myarchname.)"
```

```
  archname="
```

```
  ;;
```

```
esac
```

```
case "$targetarch" in
```

```
") ;;
```

?X: Very GCCian.

```
*) archname=`echo $targetarch|sed 's,^[^]*-,^` ;;
```

```
esac
```

```
myarchname="$tarch"
```

```
case "$sarchname" in
```

```
"") dflt="$tarch";;
```

```
*) dflt="$sarchname";;
```

```

esac
rp='What is your architecture name'
./myread
archname="$ans"

:
optionally add API version to the architecture for versioned archlibs
case "$useversionedarchname" in
$define|true|[yY]*) dflt='y';
*)          dflt='n';;
esac
rp='Add the Perl API version to your archname?'
./myread
case "$ans" in
y|Y) useversionedarchname="$define" ;;
*)   useversionedarchname="$undef" ;;
esac
case "$useversionedarchname" in
$define)
case "$archname" in
*-$api_versionstring)
echo "...and architecture name already has -$api_versionstring" >&4
;;
*)
archname="$archname-$api_versionstring"
echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac

@if usethreads
case "$usethreads" in
$define)
echo "Threads selected." >&4
case "$archname" in
*-thread*) echo "...and architecture name already has -thread." >&4
;;
*)   archname="$archname-thread"
echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
@end
@if usemultiplicity
case "$usemultiplicity" in
$define)

```

```

echo "Multiplicity selected."
>&4
case "$archname" in
*-multi*) echo "...and architecture name already has -multi." >&4
;;
*)   archname="$archname-multi"
     echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
@end
@if use64bitint
case "$use64bitint$use64bitall" in
*"$define"*)
case "$archname64" in
")
echo "This architecture is naturally 64-bit, not changing architecture name." >&4
;;
*)
case "$use64bitint" in
"$define") echo "64 bit integers selected." >&4 ;;
esac
case "$use64bitall" in
"$define") echo "Maximal 64 bitness selected." >&4 ;;
esac
case "$archname" in
*-$archname64*) echo "...and architecture name already has $archname64." >&4
;;
*)   archname="$archname-$archname64"
     echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
esac
@end
@if uselongdouble
case "$uselongdouble" in
$define)
echo "Long doubles selected." >&4
case "$longdblsize" in
$doublesize)
echo "...but long doubles are equal to doubles, not
changing architecture name." >&4
;;
*)
case "$archname" in

```

```

*-ld*) echo "...and architecture name already has -ld." >&4
;;
*)   archname="$archname-ld"
    echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
;;
esac
@end
@if usequadmath
case "$usequadmath" in
$define)
    echo "quadmath selected." >&4
    case "$archname" in
*-quadmath*) echo "...and architecture name already has -quadmath." >&4
;;
*)   archname="$archname-quadmath"
    echo "...setting architecture name to $archname." >&4
;;
esac
;;
esac
@end
if $test -f archname.cbu; then
    echo "Your platform has some specific hints for architecture name, using them..."
    . ./archname.cbu
fi

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/archname.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Extractall.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 15:00:43 ram

?RCS: patch61: created



?RCS:  
?X:  
?X: If extraction has been requested, load the configuration file, perform  
?X: the extraction and exit.  
?X:  
?X: This unit was originally a part of Options.U. It had to be removed from  
?X: it to prevent a dependency cycle: Extract -> src -> Options -> Extract  
?X: The Begin.U unit now requires us before beginning to do anything  
?X: interesting, to ensure proper semantics. -- RAM, 15/03/96  
?X:  
?MAKE:Extractall:  
Extract Options  
?MAKE: -pick wipe \$@ %<  
: extract files and exit if asked to do so  
case "\$extractsh" in  
true)  
?X: Undo the forced silent=true when -S was supplied, by probing realsilent  
?X: which was set iff -s was also given. See Options.U for details.  
case "\$realsilent" in  
true) ;;  
\*) exec 1>&4;;  
esac  
case "\$config\_sh" in  
") config\_sh='config.sh';;  
esac  
echo " "  
echo "Fetching answers from \$config\_sh..."  
cd ..  
. \$config\_sh  
test "\$override" && . ./optdef.sh  
echo " "  
?X: extract has to be run from the top directory, not within UU.  
. UU/extract  
rm -rf UU  
echo "Extraction done."  
exit 0  
;;  
esac

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Extractall.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: filexp.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

```

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?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: filexp.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:08 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:filexp: privlib
?MAKE: -pick add $@ %<
?S:filexp:
?S: This symbol contains the full pathname of the filexp script, in case we
?S: are saving the script for posterity.
?S:.
: must not allow self reference
case "$privlib" in
/*)
filexp=$privlib/filexp
;;
*)
filexp=`pwd`/filexp
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/filexp_path.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id$

```

```

?RCS:

```

```

?RCS: Copyright (c) 1998, Jarkko Hietaniemi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic License,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

```

```

?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 3.0.

```

```

?RCS:

```

```

?MAKE:i_netinettcp: Inhdr

```

```

?MAKE: -pick add $@ %<

```

```

?S:i_netinettcp:

```

```

?S: This variable conditionally defines the I_NETINET_TCP symbol,

```

```

?S: and indicates whether a C program should include <netinet/tcp.h>.

```

```

?S:.

```

```

?C:I_NETINET_TCP:

```

?C: This symbol, if defined, indicates to the C program that it should

?C: include <netinet/tcp.h>.

?C:.

?H:#\$i\_netinettcp I\_NETINET\_TCP /\*\*/

?H:.

?LINT:set i\_netinettcp

: see if netinet/tcp.h is available

set netinet/tcp.h i\_netinettcp

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_netinettcp.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_memccpy.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_memccpy.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:31 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_memccpy: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_memccpy:

?S: This variable conditionally defines the HAS\_MEMCCPY symbol, which

?S: indicates to the C program that the memccpy() routine is available

?S: to copy a character into a block of memory.

?S:.

?C:HAS\_MEMCCPY (MEMCCPY):

?C: This symbol, if defined, indicates that the memccpy routine  
is available

?C: to copy a character into a block of memory. Otherwise you should

?C: roll your own.

?C:.

?H:#\$d\_memccpy HAS\_MEMCCPY /\*\*/

?H:.

?LINT:set d\_memccpy

: see if memccpy exists

set memccpy d\_memccpy

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memccpy.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: charorder.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:07:08 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:33 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:chorder\_int chorder\_short chorder\_long: Myread cat +cc +ccflags rm

?MAKE: -pick add \$@ %<

?S:chorder\_short (d\_cos d\_bos):

?S: Holds the value describing the byte ordering of characters in a short.

?S: On a Big-Endian machine, that would be "c0c1".

?S:.

?S:chorder\_int

(charoder):

?S: Holds the value describing the byte ordering of characters in an int.

?S: For instance, on a Big-Endian machine, this would be: "c0c1c2c3".

?S:.

?S:chorder\_long (d\_col d\_bol):

?S: Holds the value describing the byte ordering of characters in a long.

?S: On a 64 bits Big-Endian machine, that would yield: "c0c1c2c3c4c5c6c7".

?S:.

?C:CHAR\_ORDER\_SHORT:

?C: Holds the byte ordering of characters in a short. It's a string

?C: value like "c0c1" on a Big-Endian machine.

?C:.

?C:CHAR\_ORDER\_INT:

?C: Holds the byte ordering of characters in an int. It's a string

?C: value like "c0c1c2c3" on a Big-Endian machine.

?C:.

?C:CHAR\_ORDER\_LONG:

?C: Holds the byte ordering of characters in a long. It's a string

?C: value like "c0c1c2c3c4c5c6c7" on a 64 bits Big-Endian machine.

?C:.

?H:#define CHAR\_ORDER\_SHORT "\$chorder\_short" /\* byte order in a short \*/

?H:#define CHAR\_ORDER\_INT "\$chorder\_int" /\* byte order in an int \*/

?H:#define CHAR\_ORDER\_LONG "\$chorder\_long" /\* byte order in a long \*/

?H:.

?F:!byteorder

:

check for character ordering

echo " "

echo "Checking out byte order..." >&4

\$cat >byteorder.c <<'EOCP'

#include <stdio.h>

main(argc, argv)

int argc;

char \*argv[]; {

int i;

int max;

union {

short u\_s;

int u\_i;

long u\_l;

char u\_c[sizeof(long)];

} u;

switch (argv[1][0]) {

case 'l':

u.u\_l = 0L;

/\* HMS: ASSERT: sizeof(long) < 10. \*/

for(i = 0; i < sizeof(long); ++i) {

u.u\_l \*= 0x100L;

u.u\_l += (0xc0 + i);

}

max = sizeof(long);

break;

case 's':

u.u\_s = 0;

/\* HMS: ASSERT: sizeof(short) < 10. \*/

for(i = 0; i < sizeof(short); ++i) {

u.u\_s \*= 0x100L;

u.u\_s += (0xc0 + i);

}

max = sizeof(short);

break;

case 'i':

u.u\_i = 0;

/\* RAM: ASSERT: sizeof(int) < 10. \*/

for(i = 0; i < sizeof(int); ++i) {

```

    u.u_1 *= 0x100L;
    u.u_1 += (0xc0 + i);
}
max = sizeof(int);
break;
default:
    max = 0;
    break;
}
for(i = 0; i < max; i++) {
    printf("%x", u.u_c[i] & 0x00FF);
}
printf("\n");
exit(0);
}

```

EOCP

```

if $cc $ccflags -o
byteorder byteorder.c >/dev/null 2>&1 ; then
: null statement
@if chorder_short
    chorder_short=`./byteorder s`
@end
@if chorder_int
    chorder_int=`./byteorder i`
@end
@if chorder_long
    chorder_long=`./byteorder l`
@end
else
$cat <<EOM

```

(I can't seem to get my test program to work. Guessing 32 bits big-endian.)

EOM

```

    chorder_short="c0c1"
    chorder_int="c0c1c2c3"
    chorder_long="c0c1c2c3"
fi
@if chorder_short
dflt=$chorder_short
rp="What is the order of characters in a short?"
./myread
chorder_short="$ans"
@end
@if chorder_int
dflt=$chorder_int
rp="What is the order of characters in an int?"
./myread
chorder_int="$ans"
@end

```

```
@if chorder_long
dflt=$chorder_long
rp='What is the order of characters in a long?'
. ./myread
chorder_long="$ans"
@end
$rm -f byteorder* core
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/charorder.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_passwd.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic Licence,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
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?RCS: that same Artistic Licence; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
```

```
?RCS:
```

```
?RCS: $Log: d_passwd.U,v $
```

```
?RCS: Revision 3.0.1.2 1997/02/28 15:37:21 ram
```

```
?RCS: patch61: useless unit dropped.
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/08/29 16:09:51 ram
```

```
?RCS: patch32: created by ADO
```

```
?RCS:
```

```
?X:
```

```
?X: Useless unit dropped.
```

```
?X:
```

```
?LINT:empty
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_passwd.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_ffs.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
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?RCS: as specified in the README file that comes with the distribution.
```

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_ffs.U,v \$

?RCS: Revision 3.0 1993/08/18 12:06:03 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_ffs: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_ffs:

?S: This variable conditionally defines the HAS\_FFS symbol, which

?S: indicates to the C program that the ffs() routine is available

?S: to find the first bit which is set in its integer argument.

?S:.

?C:HAS\_FFS:

?C: This symbol, if defined, indicates that the ffs routine is available

?C: to

find the first bit set in its argument. If it's not available,

?C: roll your own.

?C:.

?H:#\$d\_ffs HAS\_FFS /\*\*/

?H:.

?LINT:set d\_ffs

: see if ffs exists

set ffs d\_ffs

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_ffs.U

No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_trunc: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_trunc:

?S: This variable conditionally defines the HAS\_TRUNC symbol, which

?S: indicates to the C program that the trunc() routine is available

?S: to round doubles towards zero.

?S:.

?C:HAS\_TRUNC:

?C: This symbol, if defined, indicates that the trunc routine is

?C: available to round doubles towards zero.

?C:.

?H:#\$d\_trunc HAS\_TRUNC /\*\*/



?H:  
?LINT:set d\_trunc  
: see if trunc exists  
set trunc d\_trunc  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_trunc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fpclass: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fpclass:

?S: This variable conditionally defines the HAS\_FPCLASS symbol, which

?S: indicates to the C program that the fpclass() routine is available.

?S:.

?C:HAS\_FPCLASS:

?C: This symbol, if defined, indicates that the fpclass routine is

?C: available to classify doubles. Available for example in Solaris/SVR4.

?C: The returned values are defined in <ieeefp.h> and are:

?C:

?C: FP\_SNAN signaling NaN

?C: FP\_QNAN quiet NaN

?C: FP\_NINF negative infinity

?C: FP\_PINF positive infinity

?C: FP\_NDENORM negative denormalized non-zero

?C: FP\_PDENORM positive denormalized non-zero

?C: FP\_NZERO negative zero

?C: FP\_PZERO positive zero

?C: FP\_NNORM negative normalized

non-zero

?C: FP\_PNORM positive normalized non-zero

?C:.

?H:#\$d\_fpclass HAS\_FPCLASS /\*\*/

?H:.

?LINT:set d\_fpclass

: see if fpclass exists

set fpclass d\_fpclass

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fpclass.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?X: This unit generates a \$hasfield string that is used internally

?X: by Configure to check if this system has a field for a

?X: particular struct (of if this system has a particular struct!)

?X:

?X: To use it, say something like:

?X: set d\_statblocks stat st\_blocks i\_sysstat sys/stat.h

?X: eval \$hasfield

?X: Or, for more complicated sets of headers, do something like

?X: hdrs="\$define sys/foo.h

?X: \$i\_sysbar sys/bar.h

?X: \$i\_syszot sys/zot.h

?X: \$i\_zappa zappa.h"

?X: set d\_statblocks stat st\_blocks \$hdrs

?X: eval \$hasfield

?X:

?MAKE:Hasfield: Setvar rm\_try test Compile

?MAKE: -pick add \$@ %<

?T:varname struct field

?V:hasfield

: Define hasfield macro for Configure internal use

```
hasfield='varname=$1;
```

```
struct=$2; field=$3; shift; shift; shift;
```

```
while $test $# -ge 2; do
```

```
case "$1" in
```

```
$define) echo "#include <$2>";;
```

```
esac ;
```

```
    shift 2;
```

```
done > try.c;
```

```
echo "int main () { struct $struct foo; char* bar; bar = (char*)foo.$field; }" >> try.c;
```

```
set try;
```

```
if eval $compile; then
```

```
    val="$define";
```

```
else
```

```
    val="$undef";
```

```
fi;
```

```
set $varname;
```

```
eval $setvar;  
$rm_try'
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/protos/Hasfield.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_pwritev.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
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```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_pwritev.U,v $
```

```
?RCS:
```

```
?MAKE:d_pwritev: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_pwritev:
```

```
?S: This variable conditionally defines the HAS_PWRITEV symbol, which
```

```
?S: indicates to the C program that the pwritev() routine is available.
```

```
?S:.
```

```
?C:HAS_PWRITEV :
```

```
?C: This symbol, if defined, indicates that the pwritev routine is
```

```
?C: available to perform vectored writes on a file descriptor at a
```

```
?C: given offset.
```

```
?C:.
```

```
?H:#$d_pwritev HAS_PWRITEV /**/
```

```
?H:.
```

```
?LINT:set
```

```
 d_pwritev
```

```
: see if pwritev exists
```

```
set pwritev d_pwritev
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_pwritev.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_string.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_string.U,v \$  
?RCS: Revision 3.0.1.2 1993/10/16 13:50:12 ram  
?RCS: patch12: special units Loc and Guess were missing from dependencies  
?RCS:  
?RCS: Revision 3.0.1.1 1993/09/13 16:07:26 ram  
?RCS: patch10: removed "(Actually, this looks more like...)" messages (WAD)  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:28 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: See if we should include <string.h> or <strings.h>  
?X:  
?MAKE:i\_string strings:  
test Setvar Findhdr Warn  
?MAKE: -pick add \$@ %<  
?S:i\_string:  
?S: This variable conditionally defines the I\_STRING symbol, which  
?S: indicates that <string.h> should be included rather than <strings.h>.  
?S:.  
?S:strings:  
?S: This variable holds the full path of the string header that will be  
?S: used. Typically /usr/include/string.h or /usr/include/strings.h.  
?S:.  
?C:I\_STRING:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <string.h> (USG systems) instead of <strings.h> (BSD systems).  
?C:.  
?H:#\$i\_string I\_STRING /\*\*/  
?H:.  
?LINT:set i\_string  
: see which of string.h or strings.h is needed  
echo " "  
strings=`./findhdr string.h`  
if \$test "\$strings" && \$test -r "\$strings"; then  
echo "Using <string.h> instead of <strings.h>." >&4  
val="\$define"  
else  
val="\$undef"  
strings=`./findhdr strings.h`  
if \$test "\$strings" && \$test -r "\$strings"; then  
echo "Using <strings.h> instead of <string.h>." >&4

```

else
./warn "No string header found -- You'll surely
have problems."
fi
fi
set i_string
eval $setvar
case "$i_string" in
"$undef") strings=`./findhdr strings.h`;;
*) strings=`./findhdr string.h`;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_string.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setnetent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_setnetent\_r setnetent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
 usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_setnetent\_r:

?S: This variable conditionally defines the HAS\_SETNETENT\_R symbol,

?S: which indicates to the C program that the setnetent\_r()

?S: routine is available.

?S:.

?S:setnetent\_r\_proto:

?S: This variable encodes the prototype of setnetent\_r.

?S: It is zero if d\_setnetent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setnetent\_r

?S: is defined.

?S:.

?C:HAS\_SETNETENT\_R:

?C: This symbol, if defined, indicates that the setnetent\_r routine

?C: is

available to setnetent re-entrantly.

?C:.

?C:SETNETENT\_R\_PROTO:

?C: This symbol encodes the prototype of setnetent\_r.

?C: It is zero if d\_setnetent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setnetent\_r

```

?C: is defined.
?C:.
?H:#$d_setnetent_r HAS_SETNETENT_R /**/
?H:#define SETNETENT_R_PROTO $setnetent_r_proto /**/
?H:.
?T:try hdrs d_setnetent_r_proto
: see if setnetent_r exists
set setnetent_r d_setnetent_r
eval $inlibc
case "$d_setnetent_r" in
"$define")
hdrs="$i_systypes sys/types.h define stdio.h $i_netdb netdb.h"
case "$d_setnetent_r_proto:$usethreads" in
":define") d_setnetent_r_proto=define
set d_setnetent_r_proto setnetent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_setnetent_r_proto" in
define)
case "$setnetent_r_proto" in
"|0) try='int setnetent_r(int, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && setnetent_r_proto=I_ID ;;
esac
case "$setnetent_r_proto" in
"|0) try='void setnetent_r(int, struct netent_data*);'
./protochk
"$extern_C $try" $hdrs && setnetent_r_proto=V_ID ;;
esac
case "$setnetent_r_proto" in
"|0) d_setnetent_r=undef
setnetent_r_proto=0
echo "Disabling setnetent_r, cannot determine prototype." >&4 ;;
*) case "$setnetent_r_proto" in
REENTRANT_PROTO*) ;;
*) setnetent_r_proto="REENTRANT_PROTO_${setnetent_r_proto}" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "setnetent_r has no prototype, not using it." >&4 ;;
esac
d_setnetent_r=undef
setnetent_r_proto=0
;;
esac
;;

```

```
*) setnetent_r_proto=0
```

```
::
```

```
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setnetent_r.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 2000 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:d_isfinitel: Inlibc
```

```
?MAKE: -pick add $@ %<
```

```
?S:d_isfinitel:
```

```
?S: This variable conditionally defines the HAS_ISFINITEL symbol, which
```

```
?S: indicates to the C program that the isfinitel() routine is available.
```

```
?S:.
```

```
?C:HAS_ISFINITEL:
```

```
?C: This symbol, if defined, indicates that the isfinitel routine is
```

```
?C: available to check whether a long double is finite.
```

```
?C: (non-infinity non-NaN).
```

```
?C:.
```

```
?H:#$d_isfinitel HAS_ISFINITEL /**/
```

```
?H:.
```

```
?LINT:set d_isfinitel
```

```
: see if isfinitel exists
```

```
set isfinitel d_isfinitel
```

```
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_isfinitel.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_endgrent.U,v $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1998 Andy Dougherty
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?RCS: $Log: d_endgrent.U,v $
```

```
?RCS:
```

?MAKE:d\_endgrent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_endgrent:  
?S: This variable conditionally defines the HAS\_ENDGRENT symbol, which  
?S: indicates to the C program that the endgrent() routine is available  
?S: for sequential access of the group database.  
?S:.  
?C:HAS\_ENDGRENT:  
?C: This symbol, if defined, indicates that the getgrent routine is  
?C: available for finalizing sequential access of the group database.  
?C:.  
?H:#\$d\_endgrent HAS\_ENDGRENT /\*\*/  
?H:.  
?LINT:set d\_endgrent  
: see if endgrent exists  
set endgrent d\_endgrent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_endgrent.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_socks.U,v \$  
?RCS:  
?RCS: Copyright (c) 1999 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_socks: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_socks:  
?S: This variable conditionally defines the I\_SOCKS symbol, and indicates  
?S: whether a C program should include <socks.h>.  
?S:.  
?C:I\_SOCKS:  
?C: This symbol, if defined, indicates that <socks.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_socks I\_SOCKS /\*\*/  
?H:.  
?LINT:set i\_socks  
: see if this is a socks.h system  
set socks.h i\_socks  
eval \$inhdr

Found in path(s):



\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i\_socks.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_fgetpos.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_fgetpos.U,v \$

?RCS: Revision 3.0.1.1 1994/06/20 06:57:33 ram

?RCS: patch30: created

?RCS:

?MAKE:d\_fgetpos: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fgetpos:

?S: This variable conditionally defines HAS\_FGETPOS if fgetpos() is

?S: available to get the file position indicator.

?S:.

?C:HAS\_FGETPOS:

?C: This symbol, if defined, indicates that the fgetpos routine is

?C: available to get the file position indicator, similar to ftell().

?C:.

?H:#\$d\_fgetpos

HAS\_FGETPOS /\*\*/

?H:.

?LINT:set d\_fgetpos

: see if fgetpos exists

set fgetpos d\_fgetpos

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_fgetpos.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: vendorarch.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1999, Andy Dougherty

?RCS:

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?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: vendorarch.U,v \$  
?RCS: Revision 1.1 1999/07/08 18:32:57 doughera  
?RCS: Initial revision  
?RCS:  
?MAKE:d\_vendorarch vendorarch vendorarchexp installvendorarch: sed Getfile \  
Setprefixvar Oldconfig Prefixit archname vendorlib vendorprefix test  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:vendorarch:  
?S: This variable contains the value of the PERL\_VENDORARCH symbol.  
?S: It may have a ~ on the front.  
?S: The standard distribution will put nothing in this directory.  
?S: Vendors  
who distribute perl may wish to place their own  
?S: architecture-dependent modules and extensions in this directory with  
?S: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?S: or equivalent. See INSTALL for details.  
?S:.  
?S:vendorarchexp:  
?S: This variable is the ~name expanded version of vendorarch, so that you  
?S: may use it directly in Makefiles or shell scripts.  
?S:.  
?D:installvendorarch="  
?S:installvendorarch:  
?S: This variable is really the same as vendorarchexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.  
?S:.  
?S:d\_vendorarch:  
?S: This variable conditionally defined PERL\_VENDORARCH.  
?S:.  
?C:PERL\_VENDORARCH:  
?C: If defined, this symbol contains the name of a private library.  
?C: The library is private in the sense that it needn't be in anyone's  
?C: execution path, but it should be accessible by the world.  
?C: It may have a ~ on the front.  
?C: The standard distribution will put nothing in this  
directory.  
?C: Vendors who distribute perl may wish to place their own  
?C: architecture-dependent modules and extensions in this directory with  
?C: MakeMaker Makefile.PL INSTALLDIRS=vendor  
?C: or equivalent. See INSTALL for details.  
?C:.  
?C:PERL\_VENDORARCH\_EXP:  
?C: This symbol contains the ~name expanded version of PERL\_VENDORARCH, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?H:#\$d\_vendorarch PERL\_VENDORARCH "\$vendorarch" /\*\*/

?H:#\$d\_vendorarch PERL\_VENDORARCH\_EXP "\$vendorarchexp" /\*\*/

?H:.

?LINT:change prefixvar

?LINT:set installvendorarch

: Set the vendorarch variables

case "\$vendorprefix" in

) d\_vendorarch="\$undef"

vendorarch="

vendorarchexp="

::

\*) d\_vendorarch="\$define"

: determine where vendor-supplied architecture-dependent libraries go.

: vendorlib default is /usr/local/lib/perl5/vendor\_perl/\$version

: vendorarch default is /usr/local/lib/perl5/vendor\_perl/\$version/\$archname

: vendorlib may have an optional trailing

/share.

case "\$vendorarch" in

) dflt=`echo \$vendorlib | \$sed 's,/share\$,,'`

dflt="\$dflt/\$archname"

::

\*) dflt="\$vendorarch" ;;

esac

fn=d~+

rp='Pathname for vendor-supplied architecture-dependent files?'

./getfile

vendorarch="\$ans"

vendorarchexp="\$ansexp"

::

esac

prefixvar=vendorarch

./installprefix

if \$test X"\$vendorarch" = X"\$vendorlib"; then

d\_vendorarch="\$undef"

else

d\_vendorarch="\$define"

fi

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/vendorarch.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_srandom\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_random\_r random\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_stdlib extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_random\_r:  
?S: This variable conditionally defines the HAS\_SRANDOM\_R symbol,  
?S: which indicates to the C program that the srandom\_r()  
?S: routine is available.  
?S:.  
?S:srandom\_r\_proto:  
?S: This variable encodes the prototype of srandom\_r.  
?S: It is zero if d\_random\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_random\_r  
?S: is defined.  
?S:.  
?C:HAS\_SRANDOM\_R:  
?C: This symbol, if defined, indicates that the srandom\_r routine  
?C: is available to srandom re-entrantly.  
?C:.  
?C:SRANDOM\_R\_PROTO:  
?C: This  
symbol encodes the prototype of srandom\_r.  
?C: It is zero if d\_random\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_random\_r  
?C: is defined.  
?C:.  
?H:#\$d\_random\_r HAS\_SRANDOM\_R /\*\*/  
?H:#define SRANDOM\_R\_PROTO \$srandom\_r\_proto /\*\*/  
?H:.  
?T:try hdrs d\_random\_r\_proto  
: see if srandom\_r exists  
set srandom\_r d\_random\_r  
eval \$inlibc  
case "\$d\_random\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_stdlib stdlib.h"  
case "\$d\_random\_r\_proto:\$usethreads" in  
":define") d\_random\_r\_proto=define  
set d\_random\_r\_proto srandom\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_random\_r\_proto" in  
define)

```

case "$srandom_r_proto" in
"|0) try='int srandom_r(unsigned int, struct random_data*);'
./protochk "$sextern_C $try" $hdrs && srandom_r_proto=I_TS ;;
esac
case "$srandom_r_proto" in
"|0) d_srandom_r=undef
srandom_r_proto=0
echo "Disabling srandom_r, cannot determine prototype." >&4 ;;
*
) case "$srandom_r_proto" in
REENTRANT_PROTO*) ;;
*) srandom_r_proto="REENTRANT_PROTO_$srandom_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetheads" in
define) echo "srandom_r has no prototype, not using it." >&4 ;;
esac
d_srandom_r=undef
srandom_r_proto=0
;;
esac
;;
*) srandom_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_srandom_r.U
```

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fma:

?S: This variable conditionally defines the HAS\_FMA symbol, which

?S: indicates to the C program that the fma() routine is available.

?S:.

?C:HAS\_FMA:

?C: This symbol, if defined, indicates that the fma routine is

?C: available to do the multiply-add function.

?C:.

?H:#\$d\_fma HAS\_FMA /\*\*/

?H:.

```
?LINT:set d_fma
: see if fma exists
set fma d_fma
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_fma.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: d_times.U,v $
```

```
?RCS: Revision 3.0.1.2 1995/07/25 14:07:50 ram
```

```
?RCS: patch56: typo fix, sytem -> system
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/08/29 16:14:00 ram
```

```
?RCS: patch32: now uses new Typedef unit to compute type information
```

```
?RCS:
```

```
?RCS: Revision 3.0 1993/08/18 12:07:46 ram
```

```
?RCS: Baseline for dist 3.0 netwide release.
```

```
?RCS:
```

```
?X:
```

```
?X: What is the type returned by times() ?
```

```
?X:
```

```
?X: Force inclusion of <sys/types.h>
```

```
?X:INC: i_systypes
```

```
?MAKE:d_times clocktype: Csym Myread Typedef i_systimes
```

```
?MAKE: -pick
```

```
add $@ %<
```

```
?S:d_times:
```

```
?S: This variable conditionally defines the HAS_TIMES symbol, which indicates
```

```
?S: that the times() routine exists. The times() routine is normally
```

```
?S: provided on UNIX systems. You may have to include <sys/times.h>.
```

```
?S:.
```

```
?S:clocktype:
```

```
?S: This variable holds the type returned by times(). It can be long,
```

```
?S: or clock_t on BSD sites (in which case <sys/types.h> should be
```

```
?S: included).
```

```
?S:.
```

?C:HAS\_TIMES (TIMES):

?C: This symbol, if defined, indicates that the times() routine exists.

?C: Note that this became obsolete on some systems (SUNOS), which now

?C: use getrusage(). It may be necessary to include <sys/times.h>.

?C:.

?C:Clock\_t (CLOCKTYPE):

?C: This symbol holds the type returned by times(). It can be long,

?C: or clock\_t on BSD sites (in which case <sys/types.h> should be

?C: included).

?C:.

```
?H:#$d_times HAS_TIMES /**/
```

```
?H:#define Clock_t $clocktype /* Clock time */
```

```
?H:.
```

```
?T:val inc
```

```
: see if times exists
```

```
echo " "
```

```
if set times val -f d_times; eval $csym;
```

```
 $val; then
```

```
 echo 'times() found.' >&4
```

```
 d_times="$define"
```

```
 inc="
```

```
 case "$i_systimes" in
```

```
 "$define") inc='sys/times.h';;
```

```
 esac
```

```
 set clock_t clocktype long stdio.h sys/types.h $inc
```

```
 eval $typedef
```

```
 dflt="$clocktype"
```

```
 echo " "
```

```
 rp="What type is returned by times() on this system?"
```

```
 . ./myread
```

```
 clocktype="$ans"
```

```
 else
```

```
 echo 'times() NOT found, hope that will do.' >&4
```

```
 d_times="$undef"
```

?X: The following is needed for typedef (won't like an empty variable)

```
 clocktype='int'
```

```
 fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_times.U
```

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?RCS:

```
?MAKE:d_logb: Inlibc
```

```
?MAKE: -pick add $@ %<
```

?S:d\_logb:

?S: This variable conditionally defines the HAS\_LOGB symbol, which

?S: indicates to the C program that the logb() routine is available

?S: to extract the exponent of x.

?S:.

?C:HAS\_LOGB:

?C: This symbol, if defined, indicates that the logb routine is

?C: available to do the logb function.

?C:.

?H:#\$d\_logb HAS\_LOGB /\*\*/

?H:.

?LINT:set d\_logb

: see if logb exists

set logb d\_logb

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_logb.U

No license file was found, but licenses were detected in source scan.

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?RCS:

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?RCS:

?X:

?X: This unit produces a variable that is intended to be eval'ed in

?X: order to define/undefine a symbol. A consistency check is made

?X: regarding any previous value and a warning is issued if there

?X: is any discrepancy.

?X:

?X: To use it, say:

?X: set d\_siginfo\_si\_errno siginfo\_t int si\_errno \$d\_sigaction signal.h

?X: eval \$hasfield\_t;

?X:

?MAKE:Hasfield\_t: test Compile rm\_try Setvar

?MAKE: -pick add \$@ %<

?LINT:define hasfield\_t

?S:hasfield\_t:

?S: Internal macro for Configure

?S:.

?V:hasfield\_t:

?T:varname struct type field

: Define hasfield\_t macro for Configure internal use

hasfield\_t='varname=\$1; struct=\$2; type=\$3; field=\$4; shift; shift; shift; shift;

while \$test \$# -ge 2; do

case



```

"$1" in
$define) echo "#include <$2>";
    esac ;
    shift 2;
done > try.c;
echo "int main () { $struct foo; $type bar = foo.$field; }" >> try.c;
set try;
if eval $compile; then
    val="$define";
else
    val="$undef";
fi;
set $varname;
eval $setvar;
$rm_try'

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/Hasfield_t.U

```

No license file was found, but licenses were detected in source scan.

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?RCS:

?MAKE:d\_llroundl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_llroundl:

?S: This variable conditionally defines the HAS\_LLROUNDL symbol, which

?S: indicates to the C program that the llroundl() routine is available

?S: to return the long long value nearest to x away from zero.

?S:.

?C:HAS\_LLROUNDL:

?C: This symbol, if defined, indicates that the llroundl routine is

?C: available to return the nearest long long value away from zero of

?C: the long double argument value.

?C:.

?H:#\$d\_llroundl HAS\_LLROUNDL /\*\*/

?H:.

?LINT:set d\_llroundl

: see if llroundl exists

set llroundl d\_llroundl

eval \$inlibc

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_llroundl.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: nblock\_io.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:17:14 ram

?RCS: patch61: simplify here document for shells that can't handle them well

?RCS: patch61: force use of "startsh" at the head of the generated script

?RCS: patch61: added new files to the ?F: metalint hint

?RCS:

?RCS: Revision 3.0.1.1 1995/07/25 14:13:22 ram

?RCS: patch56: created

?RCS:

?X:

?X: Simplify here document for shells that can't handle them well.

?X: (Problem reported on FreeBSD; it's unclear if this helps.) --AD

?X:

?MAKE:o\_nonblock

eagain rd\_nodata d\_eofnblk: cat rm\_try +cc +ccflags +ldflags \  
d\_open3 h\_sysfile h\_fcntl signal\_t hint Oldconfig Setvar startsh Warn

?MAKE:-pick add \$@ %<

?S:o\_nonblock:

?S: This variable bears the symbol value to be used during open() or fcntl()  
?S: to turn on non-blocking I/O for a file descriptor. If you wish to switch  
?S: between blocking and non-blocking, you may try ioctl(FIOSNBIO) instead,  
?S: but that is only supported by some devices.

?S:.

?S:again:

?S: This variable bears the symbolic errno code set by read() when no  
?S: data is present on the file and non-blocking I/O was enabled (otherwise,  
?S: read() blocks naturally).

?S:.

?S:rd\_nodata:

?S: This variable holds the return code from read() when no data is  
?S: present. It should be -1, but some systems return 0 when O\_NDELAY is  
?S: used, which is a shame because you cannot make the difference between  
?S: no data and an EOF.. Sigh!

?S:.

?S:d\_eofnblk:

?S: This variable conditionally defines EOF\_NONBLOCK  
if EOF can be seen  
?S: when reading from a non-blocking I/O source.

?S:

?C:VAL\_O\_NONBLOCK:

?C: This symbol is to be used during open() or fcntl(F\_SETFL) to turn on

?C: non-blocking I/O for the file descriptor. Note that there is no way

?C: back, i.e. you cannot turn it blocking again this way. If you wish to

?C: alternatively switch between blocking and non-blocking, use the

?C: ioctl(FIOSNBIO) call instead, but that is not supported by all devices.

?C:.

?C:VAL\_EAGAIN:

?C: This symbol holds the errno error code set by read() when no data was

?C: present on the non-blocking file descriptor.

?C:.

?C:RD\_NODATA:

?C: This symbol holds the return code from read() when no data is present

?C: on the non-blocking file descriptor. Be careful! If EOF\_NONBLOCK is

?C: not defined, then you can't distinguish between no data and EOF by

?C: issuing a read(). You'll have to find another way to tell for sure!

?C:.

?C:EOF\_NONBLOCK:

?C: This symbol, if defined, indicates to the C program that a read() on

?C: a

non-blocking file descriptor will return 0 on EOF, and not the value

?C: held in RD\_NODATA (-1 usually, in that case!).

?C:.

?H:#define VAL\_O\_NONBLOCK \$o\_nonblock

?H:#define VAL\_EAGAIN \$again

?H:#define RD\_NODATA \$rd\_nodata

?H:#\$d\_eofnblk EOF\_NONBLOCK

?H:.

?F:!try !try.out !try.ret !try.err !mtry

?T:status

?LINT:use d\_open3

: check for non-blocking I/O stuff

case "\$h\_sysfile" in

true) echo "#include <sys/file.h>" > head.c;;

\*)

case "\$h\_fcntl" in

true) echo "#include <fcntl.h>" > head.c;;

\*) echo "#include <sys/fcntl.h>" > head.c;;

esac

::

esac

echo " "

echo "Figuring out the flag used by open() for non-blocking I/O..." >&4

case "\$o\_nonblock" in

")

\$cat head.c > try.c

\$cat >>try.c <<'EOCP'

```

int main() {
#ifdef O_NONBLOCK
printf("O_NONBLOCK\n");
exit(0);
#endif
#ifdef O_NDELAY
printf("O_NDELAY\n");
exit(0);
#endif
?X: Stevens "Advanced Programming in the UNIX Environment" page 364 mentions
?X: the FNDELAY symbol, used in 4.33BSD (source: Paul Marquess).
#ifdef FNDELAY
printf("FNDELAY\n");
exit(0);
#endif
exit(0);
}
EOCP
if
$cc $ccflags $ldflags -o try try.c >/dev/null 2>&1; then
o_nonblock=`./try`
case "$o_nonblock" in
") echo "I can't figure it out, assuming O_NONBLOCK will do.";;
*) echo "Seems like we can use $o_nonblock.";;
esac
else
echo "(I can't compile the test program; pray O_NONBLOCK is right!)"
fi
;;
*) echo "Using $hint value $o_nonblock.";;
esac
$rm_try

echo " "
echo "Let's see what value errno gets from read() on a $o_nonblock file..." >&4
case "$eagain" in
")
$cat head.c > try.c
$cat >>try.c <<EOCP
#include <errno.h>
#include <sys/types.h>
#include <signal.h>
#define MY_O_NONBLOCK $o_nonblock
extern int errno;
$signal_t blech(x) int x; { exit(3); }
EOCP
$cat >> try.c <<'EOCP'
int main()

```

```

{
int pd[2];
int pu[2];
char buf[1];
char string[100];

pipe(pd); /* Down: child -> parent */
pipe(pu); /* Up: parent -> child */
if (0 != fork()) {
int ret;
close(pd[1]); /* Parent reads from pd[0] */
close(pu[0]); /*
Parent writes (blocking) to pu[1] */
if (-1 == fcntl(pd[0], F_SETFL, MY_O_NONBLOCK))
exit(1);
signal(SIGALRM, blech);
alarm(5);
if ((ret = read(pd[0], buf, 1)) > 0) /* Nothing to read! */
exit(2);
sprintf(string, "%d\n", ret);
write(2, string, strlen(string));
alarm(0);
#ifdef EAGAIN
if (errno == EAGAIN) {
printf("EAGAIN\n");
goto ok;
}
#endif
#ifdef EWOULDBLOCK
if (errno == EWOULDBLOCK)
printf("EWOULDBLOCK\n");
#endif
ok:
write(pu[1], buf, 1); /* Unblocks child, tell it to close our pipe */
sleep(2); /* Give it time to close our pipe */
alarm(5);
ret = read(pd[0], buf, 1); /* Should read EOF */
alarm(0);
sprintf(string, "%d\n", ret);
write(3, string, strlen(string));
exit(0);
}

close(pd[0]); /* We write to pd[1] */
close(pu[1]); /* We read from pu[0] */
read(pu[0], buf, 1); /* Wait for parent to signal us we may continue */
close(pd[1]); /* Pipe pd is now fully closed! */
exit(0); /* Bye bye, thank you for playing!

```

```

*/
}
EOCP
if $cc $cflags $ldflags -o try try.c >/dev/null 2>&1; then
?X: Use script to avoid the possible 'alarm call' message
echo "$startsh" >mtry
echo "./try >try.out 2>try.ret 3>try.err || exit 4" >>mtry
chmod +x mtry
./mtry >/dev/null 2>&1
case $? in
0) eagain=`$cat try.out`;
1) echo "Could not perform non-blocking setting!";;
2) echo "I did a successful read() for something that was not there!";;
3) echo "Hmm... non-blocking I/O does not seem to be working!";;
*) echo "Something terribly wrong happened during testing.";;
esac
rd_nodata=`$cat try.ret`
echo "A read() system call with no data present returns $rd_nodata."
case "$rd_nodata" in
0|-1) ;;
*)
echo "(That's peculiar, fixing that to be -1.)"
rd_nodata=-1
;;
esac
case "$eagain" in
")
echo "Forcing errno EAGAIN on read() with no data available."
eagain=EAGAIN
;;
*)
echo "Your read() sets errno to $eagain when no data is available."
;;
esac
status=`$cat
try.err`
case "$status" in
0) echo "And it correctly returns 0 to signal EOF.";;
-1) echo "But it also returns -1 to signal EOF, so be careful!";;
*) echo "However, your read() returns '$status' on EOF??";;
esac
val="$define"
if test "$status" = "$rd_nodata"; then
./warn "your read() can't distinguish between EOF and no data!"
val="$undef"
fi
else
echo "I can't compile the test program--assuming errno EAGAIN will do."

```

```

eagain=EAGAIN
fi
set d_eofnblk
eval $setvar
;;
*)
echo "Using $hint value $eagain."
echo "Your read() returns $rd_nodata when no data is present."
case "$d_eofnblk" in
"$define") echo "And you can see EOF because read() returns 0.";;
"$undef") echo "But you can't see EOF status from read() returned value.";;
*)
?X: Should not happen, but if it does, assume the worst!
echo "(Assuming you can't see EOF status from read anyway.)"
d_eofnblk=$undef
;;
esac
;;
esac
$rm_try head.c mtry

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/nblock_io.U
```

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?RCS: \$Id\$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: sysman.U,v \$

?RCS: Revision 3.0.1.2 1994/06/20 07:08:43 ram

?RCS: patch30: now explicitly states that /usr/man/man1 is the default

?RCS: patch30: added /usr/local/man/man1 to the search list

?RCS:

?RCS: Revision 3.0.1.1 1993/09/13 16:13:50 ram

?RCS: patch10: added support for /local/man/man1 (WAD)

?RCS: patch10: added temporary syspath variable to cut down on line length

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:55 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

```
?MAKE:sysman: test
Loc Oldconfig
?MAKE: -pick add $@ %<
?S:sysman:
?S: This variable holds the place where the manual is located on this
?S: system. It is not the place where the user wants to put his manual
?S: pages. Rather it is the place where Configure may look to find manual
?S: for unix commands (section 1 of the manual usually). See mansrc.
?S:.
?T:syspath
: determine where manual pages are on this system
echo " "
case "$sysman" in
")
syspath=/usr/share/man/man1 /usr/man/man1'
syspath="$syspath /usr/man/mann /usr/man/man1 /usr/man/local/man1"
syspath="$syspath /usr/man/u_man/man1 /usr/share/man/man1"
syspath="$syspath /usr/catman/u_man/man1 /usr/man/l_man/man1"
syspath="$syspath /usr/local/man/u_man/man1 /usr/local/man/l_man/man1"
syspath="$syspath /usr/man/man.L /local/man/man1 /usr/local/man/man1"
sysman=`./loc . /usr/man/man1 $syspath`
;;
esac
if $test -d "$sysman"; then
echo "System manual is in $sysman." >&4
else
echo "Could not find manual pages in source form." >&4
fi
```

Found

in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/sysman.U
```

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?RCS:

?MAKE:d\_strtold\_l: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strtold\_l:

?S: This variable conditionally defines the HAS\_STRTOLD\_L symbol, which

?S: indicates to the C program that the strtold\_l() routine is available.

?S:.



```
?C:HAS_STRTOLD_L:
?C: This symbol, if defined, indicates that the strtold_l routine is
?C: available to convert strings to long doubles.
?C:.
?H:#$d_strtold_l HAS_STRTOLD_L /**/
?H:.
?LINT:set d_strtold_l
: see if strtold_l exists
set strtold_l d_strtold_l
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_strtold_l.U
```

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```
?RCS: $Id$
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?MAKE:d_sresuproto: Hasproto i_unistd
?MAKE: -pick add $@ %<
?S:d_sresuproto:
?S: This variable conditionally defines the HAS_SETRESUID_PROTO symbol,
?S: which indicates to the C program that the system provides
?S: a prototype for the setresuid() function. Otherwise, it is
?S: up to the program to supply one.
?S:.
?C:HAS_SETRESUID_PROTO:
?C: This symbol, if defined, indicates that the system provides
?C: a prototype for the setresuid() function. Otherwise, it is up
?C: to the program to supply one. Good guesses are
?C: extern
int setresuid(uid_t ruid, uid_t euid, uid_t suid);
?C:.
?H:#$d_sresuproto HAS_SETRESUID_PROTO /**/
?H:.
?LINT:set d_sresuproto
: see if prototype for setresuid is available
echo " "
set d_sresuproto setresuid $i_unistd unistd.h
eval $hasproto
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_sresuproto.U

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?RCS:

?MAKE:d\_truncl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_truncl:

?S: This variable conditionally defines the HAS\_TRUNCL symbol, which

?S: indicates to the C program that the truncl() routine is available

?S: to round long doubles towards zero. If copysignl is also present,

?S: we can emulate modfl.

?S:.

?C:HAS\_TRUNCL :

?C: This symbol, if defined, indicates that the truncl routine is

?C: available. If copysignl is also present we can emulate modfl.

?C:.

?H:#\$d\_truncl HAS\_TRUNCL /\*\*/

?H:.

?LINT:set d\_truncl

: see if truncl exists

set truncl d\_truncl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_truncl.U

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\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patname

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patnotify

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patbase

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patmake

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patclean

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/manifake

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patsend  
\*  
/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/manilist  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patcol  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/jmkmf  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/mlint  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patftp  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/makedist  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/makeSH  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patsnap  
\*  
/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patdiff  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/packinit  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/kitsend  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/jmake  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/makegloss  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/kitpost  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patcil  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/bindex  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/patindex  
\*  
/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/pat  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/files/fixcpp  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/errnolist.mk  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/mconfig  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/bin/metaconfig  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/bin/metalint  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/bin/patpost  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/bin/manicheck  
\*  
/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/bin/patlog  
No license file was found, but licenses were detected in source scan.

?RCS: \$Id: shm\_for.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: shm\_for.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 16:28:37 ram  
?RCS: patch36: call ./Cpplib explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:46 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:shm\_for shm\_att shm\_lim: Cpplib Myread ipc uname  
?MAKE: -pick add \$@ %<  
?S:shm\_for:  
?S: This variable tells us the type of machine we're expecting the  
?S: shared memory code to run on. The value is available to C  
programs  
?S: in the C\_SHM\_FOR manifest.  
?S:.  
?S:shm\_att:  
?S: This variable tells us where a shared memory segment should be  
?S: attached. Good values are HIGH, LOW, and ZERO.  
?S:.  
?S:shm\_lim:  
?S: This variable tells us if shared memory attached HIGH should  
?S: have an upper limit.  
?S:.  
?X: -----  
?X: It's a potential lose to define anything beginning with SHM...  
?X: At least we can think that S\_ stands for "String version of ..." -- HMS

```

?X: -----
?C:S_SHM_FOR ~ %<:
?C: This symbol identifies what we chose for the target system's
?C: default shared memory configuration parameters.
?C:.
?C:S_SHM_ATT ~ %<:
?C: This symbol holds the default "place" to attach shared memory.
?C: Values are "HIGH", "ZERO", and "LOW".
?C:.
?C:S_SHM_LIM ~ %<:
?C: This symbol holds the default upper bound address limit if shared
?C: memory is attached HIGH. If zero, there is no upper limit.
?C:.
?H:%<:#ifdef
SERVE_SHM
?H:%<:#define S_SHM_FOR "$shm_for"
?H:%<:#define S_SHM_ATT "$shm_att"
?H:%<:#define S_SHM_LIM "$shm_lim"
?H:%<:#endif
?H:.
?W:%<:S_SHM_FOR S_SHM_ATT S_SHM_LIM
: see how to attach shared memory
echo " "
echo "Deciding how to attach shared memory..." >&4

case "$ipc" in
shm)
shm_for='Default case'
shm_att='HIGH'
shm_lim='0x0'
if ./Cppsym tower32 tower32_600; then
echo "NCR Towers are usually normal..."
: echo "Oh, an NCR Tower."
: This works for the 600
shm_for='NCR Tower 32'
shm_att='LOW'
else
case "$uname" in
*/uname)
case "`uname -m`" in
ACS??68*)
echo "Oh, an Altos 3068."
shm_for='Altos 3068:'
shm_lim='0x800000'
;;
esac
;;
*)

```

```

    echo "Looks normal to me..."
    ;;
esac
fi

dflt="$shm_for"
rp='Description of shared memory configuration?'
. ./myread
shm_for="$ans"

dflt="$shm_att"
rp='Where should shared memory be attached?'
. ./myread
shm_att="$ans"

case "$shm_att" in
HIGH)
    dflt="$shm_lim"
    rp='What is
the upper address limit for shared memory?'
    . ./myread
    shm_lim="$ans"
    ;;
*)
    shm_lim=""
    ;;
esac
;;

*)
echo "but you aren't using shared memory so I won't bother." >&4
shm_for='NOT CONFIGURED'
shm_att='NONE'
shm_lim='-1'
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/shm_for.U
```

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?RCS:

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?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_tellmdirproto: Hasproto i\_systypes i\_dirent  
?MAKE: -pick add \$@ %<  
?S:d\_tellmdirproto:  
?S: This variable conditionally defines the HAS\_TELLDIR\_PROTO symbol,  
?S: which indicates to the C program that the system provides  
?S: a prototype for the telldir() function. Otherwise, it is  
?S: up to the program to supply one.  
?S:.  
?C:HAS\_TELLDIR\_PROTO:  
?C: This symbol, if defined, indicates that the system provides  
?C: a prototype for the telldir() function. Otherwise, it is up  
?C: to the program to supply one. A good guess  
is  
?C: extern long telldir(DIR\*);  
?C:.  
?H:#\$d\_tellmdirproto HAS\_TELLDIR\_PROTO /\*\*/  
?H:.  
?LINT:set d\_tellmdirproto  
: see if prototype for telldir is available  
echo " "  
set d\_tellmdirproto telldir \$i\_systypes sys/types.h \$i\_dirent dirent.h  
eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_tellmdirproto.U

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?RCS:  
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?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: package.U,v \$  
?RCS: Revision 3.0.1.3 1994/10/29 16:27:21 ram  
?RCS: patch36: beware of non-ascii character sets when translating case  
?RCS:  
?RCS: Revision 3.0.1.2 1993/11/10 17:37:02 ram  
?RCS: patch14: skip definition of spackage if not otherwise used

```

?RCS:
?RCS: Revision 3.0.1.1 1993/09/13 16:11:10 ram
?RCS: patch10: added package, suitable for starting sentences
?RCS:
?RCS: Revision 3.0 1993/08/18 12:09:28 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:package spackage:
  Nothing
?MAKE: -pick wipe $@ %<
?S:package:
?S: This variable contains the name of the package being constructed.
?S: It is primarily intended for the use of later Configure units.
?S:.
?S:spackage:
?S: This variable contains the name of the package being constructed,
?S: with the first letter uppercased, i.e. suitable for starting
?S: sentences.
?S:.
?C:PACKAGE:
?C: This variable contains the name of the package being built.
?C:.
?H:#define PACKAGE "$package"
?H:.
?T:first last
: set package name
package='<PACKAGENAME>'
@if spackage
first=`echo $package | sed -e 's/^(.).*\1/'`
last=`echo $package | sed -e 's/^(.*)\1/'`
?X:
?X: So early in the Configure script, we don't have ./tr set up and can't
?X: include Tr in our dependency or that would create a cycle. Therefore,
?X: we have to somehow duplicate the work done in Tr. That's life.
?X:
case ""`echo AbyZ | tr '[:lower:]' '[:upper:]' 2>/dev/null`" in
ABYZ) spackage=`echo $first | tr '[:lower:]' '[:upper:]'`$last;;
*) spackage=`echo
$first | tr '[a-z]' '[A-Z]'`$last;;
esac
@end

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/package.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: lintlib.U 1 2006-08-24 12:32:52Z rmanfredi $

```



?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: lintlib.U,v \$  
?RCS: Revision 3.0 1993/08/18 12:09:05 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:lintlib lintlibexp: Getfile Loc Oldconfig  
?MAKE: -pick add \$@ %<  
?S:lintlib:  
?S: This variable holds the name of the directory in which the user wants  
?S: to put public lint-library files for the package in question. It is  
?S: most often a local directory such as /usr/local/lib/lint. Programs using  
?S: this variable must be prepared to  
deal with ~name expansion.  
?S:.  
?S:lintlibexp:  
?S: This variable is the same as the lintlib variable, but is filename  
?S: expanded at configuration time, for convenient use in your makefiles.  
?S:.  
: determine where public lint libraries go  
case "\$lintlib" in  
") dflt=`./loc . ." /usr/local/lib/lint /usr/lib/lint /usr/lib`;;  
\*) dflt="\$lintlib" ;;  
esac  
echo " "  
fn=d~  
rp='Where do you want to put the public lint libraries?'  
./getfile  
lintlib="\$ans"  
lintlibexp="\$ansexp"

Found in path(s):  
\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/lintlib.U  
No license file was found, but licenses were detected in source scan.

?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:d\_log1p: Inlibc  
?MAKE: -pick add \$@ %<

?S:d\_log1p:

?S: This variable conditionally defines the HAS\_LOG1P symbol, which

?S: indicates to the C program that the logp1() routine is available

?S: to compute log(1 + x) for values of x close to zero.

?S:.

?C:HAS\_LOG1P:

?C: This symbol, if defined, indicates that the log1p routine is

?C: available to do the logarithm of 1 plus argument function.

?C:.

?H:#\$d\_log1p HAS\_LOG1P /\*\*/

?H:.

?LINT:set d\_log1p

: see if log1p exists

set log1p d\_log1p

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_log1p.U

No license file was found, but licenses were detected in source scan.

/\*

\* \$Id: getopt.C,v 3.0.1.1 1994/01/24 13:58:40 ram Exp ram \$

\*

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\*

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\* of the source tree for dist 4.0.

\*

\* Original Author: unknown, got this off net.sources

\*

\* \$Log: getopt.C,v \$

\* Revision 3.0.1.1 1994/01/24 13:58:40 ram

\* patch16: created

\*

\*/

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/lib/C/fake/getopt.C

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:  
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?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: d\_csh.U,v \$  
?RCS: Revision 3.0.1.1 1997/02/28 15:32:18 ram  
?RCS: patch61: added full\_csh to preserve the full path even when portable  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:53 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d\_csh full\_csh: csh Setvar  
?MAKE: -pick add \$@ %<  
?S:d\_csh:  
?S: This variable conditionally defines the CSH symbol, which  
?S: indicates to the C program that the C-shell exists.  
?S:.  
?S:full\_csh:  
?S: This variable contains the full pathname to 'csh', whether  
or  
?S: not the user has specified 'portability'. This is only used  
?S: in the compiled C program, and we assume that all systems which  
?S: can share this executable will have the same full pathname to  
?S: 'csh.'  
?S:.  
?C:HAS\_CSH:  
?C: This symbol, if defined, indicates that the C-shell exists.  
?C:.  
?C:CSH:  
?C: This symbol, if defined, contains the full pathname of csh.  
?C:.  
?X: Previously, I just did \$d\_csh CSH "\$full\_csh", but that caused  
?X: problems on VMS where the config.sh extraction program changes  
?X: \$undef to a real cpp undef, and they then had #undef CSH ""  
?X: which the compiler didn't like. It's easy to work around this,  
?X: so I did. --AD 3/1998.  
?X: And we don't want to define CSH if !HAS\_CSH, but we don't want  
?X: those lines in config.h if they don't need CSH, so protect with ?CSH  
?X: and not ?%<. --RAM, 15/02/2004  
?H: ?%<: # \$d\_csh HAS\_CSH /\*\*/  
?H: ?CSH: #ifdef HAS\_CSH  
?H: ?CSH: #define CSH "\$full\_csh" /\*\*/  
?H: ?CSH: #endif  
?H:.  
?LINT: set d\_csh

```

: get csh whereabouts
case
"$csh" in
'csh') val="$undef" ;;
*) val="$define" ;;
esac
set d_csh
eval $setvar
: Respect a hint or command line value for full_csh.
case "$full_csh" in
") full_csh=$csh ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_csh.U

```

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?RCS: \$Id\$

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_time.U,v \$

?RCS: Revision 3.0.1.2 1995/07/25 14:07:43 ram

?RCS: patch56: typo fix, sytem -> system

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:16:38 ram

?RCS: patch36: now uses new Typedef unit to compute type information (ADO)

?RCS:

?RCS: Revision 3.0 1993/08/18 12:07:45 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X: Maybe <sys/types.h> should be included?

?X:INC: i\_systypes

?MAKE:d\_time timetype: Csym Setvar Findhdr Myread Typedef

?MAKE: -pick add \$@ %<

?S:d\_time:

?S: This

variable conditionally defines the HAS\_TIME symbol, which indicates

?S: that the time() routine exists. The time() routine is normally

?S: provided on UNIX systems.

?S:.

?S:timetype:

?S: This variable holds the type returned by time(). It can be long,  
?S: or time\_t on BSD sites (in which case <sys/types.h> should be  
?S: included). Anyway, the type Time\_t should be used.

?S:.

?C:HAS\_TIME (TIMER):

?C: This symbol, if defined, indicates that the time() routine exists.

?C:.

?C:Time\_t (TIMETYPE):

?C: This symbol holds the type returned by time(). It can be long,  
?C: or time\_t on BSD sites (in which case <sys/types.h> should be  
?C: included).

?C:.

?H:#\$d\_time HAS\_TIME /\*\*/

?H:#define Time\_t \$timetype /\* Time type \*/

?H:.

?LINT:set d\_time

: see if time exists

echo " "

if set time val -f d\_time; eval \$csym; \$val; then

echo 'time() found.' >&4

val="\$define"

set time\_t timetype long stdio.h sys/types.h

eval \$typedef

dflt="\$timetype"

echo " "

rp="What type is returned by time() on this  
system?"

. ./myread

timetype="\$ans"

else

echo 'time() not found, hope that will do.' >&4

val="\$undef"

timetype='int';

fi

set d\_time

eval \$setvar

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-  
5.30.0/dist/U/d\_time.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_SHM\_MAC.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_SHM\_MAC.U,v \$

?RCS: Revision 3.0 1993/08/18 12:05:41 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_SHM\_MAC d\_SHM\_PRM d\_SHM\_SEG d\_SHM\_IMMU: cat d\_shm test rm +cc +ccflags

?MAKE: -pick add \$@ %<

?S:d\_SHM\_MAC:

?S: Sometimes, the SHMLBA manifest needs sys/sysmacros.h, usually for

?S: the ctob() macro.

?S:.

?S:d\_SHM\_PRM:

?S: Sometimes, the SHMLBA manifest needs sys/param.h, usually for the

?S: NBPC constant.

?S:.

?S:d\_SHM\_SEG:

?S: Sometimes,

the SHMLBA manifest needs sys/seg.h, usually for the

?S: SNUMSHFT constant.

?S:.

?S:d\_SHM\_IMMU:

?S: Sometimes, the SHMLBA manifest needs sys/immu.h, usually for the

?S: stob() macro.

?S:.

?C:SHMLBA\_WANTS\_SYSMACROS:

?C: This value tells us to include <sys/sysmacros.h> because SHMLBA

?C: needs something from there, probably the ctob() macro.

?C:.

?C:SHMLBA\_WANTS\_PARAM:

?C: This value tells us to include <sys/param.h> because SHMLBA needs

?C: something from there, probably the NBPC constant.

?C:.

?C:SHMLBA\_WANTS\_SEG:

?C: This value tells us to include <sys/seg.h> because SHMLBA needs

?C: something from there, probably the SNUMSHFT constant.

?C:.

?C:SHMLBA\_WANTS\_IMMU:

?C: This value tells us to include <sys/immu.h> because SHMLBA needs

?C: something from there, probably the stob() macro. (tower\_600 only?)

?C:.

?H:#\$d\_SHM\_MAC SHMLBA\_WANTS\_SYSMACROS /\* SHMLBA wants ctob()? \*/

?H:#\$d\_SHM\_PRM SHMLBA\_WANTS\_PARAM /\* SHMLBA wants NBPC? \*/

?H:#\$d\_SHM\_SEG SHMLBA\_WANTS\_SEG /\* SHMLBA wants

```

SNUMSHFT? */
?H:#$d_SHM_IMMU SHMLBA_WANTS_IMMU /* SHMLBA wants stob()? */
?H:
?T:flags D_sys_immu D_sys_seg D_sys_sysmacros D_sys_param
: check for SHMLBA braindamage
d_SHM_MAC="$undef"
d_SHM_PRM="$undef"
d_SHM_SEG="$undef"
d_SHM_IMMU="$undef"
if $test "$d_shm" = "$define" ; then
echo " "
$cat >&4 <<EOM
Checking to see if SHMLBA needs additional headers.
The headers I'll be checking are:

```

```

sys/macros.h (for the ctob() macro)
sys/param.h (for NBPC)
sys/seg.h (for SNUMSHFT)
sys/immu.h (for the stob() macro)

```

EOM

```

$cat >shm_mac.c <<'EOCP'
#include <sys/types.h>
#include <sys/ipc.h>
#include <sys/shm.h>
#ifdef I_SYS_IMMU
#include <sys/immu.h>
#endif
#ifdef I_SYS_SYSMACROS
#include <sys/sysmacros.h>
#endif
#ifdef I_SYS_PARAM
#include <sys/param.h>
#endif
#ifdef I_SYS_SEG
#include <sys/seg.h>
#endif

int main() {
int foo = SHMLBA ;
}
EOCP
flags='xxx'
for D_sys_immu in "'-DI_SYS_IMMU'; do
for D_sys_seg in "'-DI_SYS_SEG'; do
for D_sys_sysmacros in "'-DI_SYS_SYSMACROS';
do
for D_sys_param in "'-DI_SYS_PARAM'; do

```

```

case "$flags" in
'xxx')
case "$D_sys_immu$D_sys_param$D_sys_sysmacros$D_sys_seg" in
")
echo "Trying it normally..."
;;
*)
echo "Trying $D_sys_immu $D_sys_param $D_sys_sysmacros $D_sys_seg"
;;
esac
if $cc $ccflags \
$D_sys_immu $D_sys_param $D_sys_sysmacros $D_sys_seg \
-o shm_mac shm_mac.c >/dev/null 2>&1 ; then
set X $D_sys_immu $D_sys_param $D_sys_sysmacros $D_sys_seg
shift
flags="*$"
echo "Succeeded with $flags"
fi
;;
esac
done
done
done
done
case "$flags" in
xxx)
echo "I don't know how to keep SHMLBA happy. Good luck!"
;;
esac
case "$flags" in
*I_SYS_PARAM*) d_SHM_PRM="$define";;
esac
case "$flags" in
*I_SYS_SYSMACROS*) d_SHM_MAC="$define";;
esac
case "$flags" in
*I_SYS_SEG*) d_SHM_SEG="$define";;
esac
case "$flags" in
*I_SYS_IMMU*) d_SHM_IMMU="$define";;
esac
fi
$rm -f shm_mac*

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_SHM_MAC.U

```



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?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_fegetround: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fegetround:

?S: This variable conditionally defines HAS\_FEGETROUND if fegetround() is

?S: available to get the floating point rounding mode.

?S:.

?C:HAS\_FEGETROUND:

?C: This symbol, if defined, indicates that the fegetround routine is

?C: available to return the macro corresponding to the current rounding

?C: mode.

?C:.

?H:#\$d\_fegetround HAS\_FEGETROUND /\*\*/

?H:.

?LINT:set d\_fegetround

: see if fegetround exists

set fegetround d\_fegetround

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fegetround.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999 Jarkko Hietaniemi

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_getspnam: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_getspnam:

?S: This variable conditionally defines HAS\_GETSPNAM if getspnam() is

?S: available to retrieve SysV shadow password entries by name.

?S:.

?C:HAS\_GETSPNAM:

?C: This symbol, if defined, indicates that the getspnam system call is

?C: available to retrieve SysV shadow password entries by name.

?C:.

```
?H:#$d_getspnam HAS_GETSPNAM /**/  
?H:.  
?LINT:set d_getspnam  
: see if getspnam exists  
set getspnam d_getspnam  
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_getspnam.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gethent.U 1 2006-08-24 12:32:52Z rmanfredi $  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: $Log: d_gethent.U,v $  
?RCS: Revision 3.0 1993/08/18 12:06:09 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:d_gethent: Inlibc  
?MAKE: -pick add $@ %<  
?S:d_gethent:  
?S: This variable conditionally defines HAS_GETHOSTENT if gethostent() is  
?S: available to look up host names in some data base or another.  
?S:.  
?C:HAS_GETHOSTENT:  
?C: This symbol, if defined, indicates that the gethostent() routine is  
?C: available to look up host names in some  
?C: data base or another.  
?C:.  
?H:#$d_gethent HAS_GETHOSTENT /**/  
?H:.  
?LINT:set d_gethent  
: see if gethostent exists  
set gethostent d_gethent  
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d_gethent.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_newsadm.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_newsadm.U,v $
?RCS: Revision 3.0.1.2 1997/02/28 15:36:53 ram
?RCS: patch61: added Guess dependency
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 16:14:33 ram
?RCS: patch36: call ./eunice explicitly instead of relying on PATH
?RCS:
?RCS: Revision 3.0 1993/08/18 12:06:42 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_newsadm newsadmin: cat contains Guess Setvar Myread Oldconfig
?MAKE: -pick add $@ %<
?S:d_newsadm:
?S: This variable
    conditionally defines the NEWS_ADMIN symbol, which
?S: indicates to the C program that there is a user who is in charge
?S: of news administration.
?S:.
?S:newsadmin:
?S: This variable holds the login name of the news administrator, if any.
?S:.
?C:NEWS_ADMIN (NEWSADMIN):
?C: This symbol, if defined, contains the login name of the news
?C: administrator.
?C:.
?H:#$d_newsadm NEWS_ADMIN "$newsadmin" /**/
?H:.
?LINT:set d_newsadm
: get news administrator name
case "$newsadmin" in
")
if $contains "^news:" /etc/passwd >/dev/null 2>&1 ; then
    dflt=news
elif $contains "^usenet:" /etc/passwd >/dev/null 2>&1 ; then
    dflt=usenet
elif ./eunice; then
```

```

dflt=system
else
dflt=root
fi
;;
*)
dflt="$newsadmin"
;;
esac
$cat <<'EOM'

```

Many systems keep their news in a private directory, or have a non-superuser in charge of administering news. (If you don't have such a user, take the default answer.) I need the login name (not directory) which is used for news administration.

```

EOM
rp="News
admin login?"
./myread
newsadmin="$ans"
case "$newsadmin" in
root) val="$undef" ;;
*) val="$define" ;;
esac
set d_newsadm
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_newsadm.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: modetype.U,v 3.0.1.1 1994/10/29 16:25:07 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
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?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>
?RCS:
?RCS: $Log: modetype.U,v $
?RCS: Revision 3.0.1.1 1994/10/29 16:25:07 ram
?RCS: patch36: created by ADO

```

?RCS:  
?MAKE:modetype: Myread Typedef  
?MAKE: -pick add \$@ %<  
?S:modetype:  
?S: This variable defines modetype to be something like mode\_t,  
?S: int, unsigned short, or whatever type is used to declare file  
?S: modes for system calls.  
?S:.  
?C:Mode\_t:  
?C: This symbol holds the type used to declare  
file modes  
?C: for systems calls. It is usually mode\_t, but may be  
?C: int or unsigned short. It may be necessary to include <sys/types.h>  
?C: to get any typedef'ed information.  
?C:.  
?H:#define Mode\_t \$modetype /\* file mode parameter for system calls \*/  
?H:.  
?LINT:set modetype  
: see what type is used for mode\_t  
rp="What is the type used for file modes for system calls (e.g. fchmod())?"  
set mode\_t modetype int stdio.h sys/types.h  
eval \$typedef\_ask

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/modetype.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_crypt\_r.U,v 0RCS:  
?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.  
?RCS:  
?MAKE:d\_crypt\_r crypt\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_crypt extern\_C  
?MAKE: -pick add \$@ %<  
?S:d\_crypt\_r:  
?S: This variable conditionally defines the HAS\_CRYPT\_R symbol,  
?S: which indicates to the C program that the crypt\_r()  
?S: routine is available.  
?S:.  
?S:crypt\_r\_proto:  
?S: This variable encodes the prototype of crypt\_r.  
?S: It is zero if d\_crypt\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_crypt\_r

?S: is defined.

?S:.

?C:HAS\_CRYPT\_R:

?C: This symbol, if defined, indicates that the crypt\_r routine

?C: is available to crypt re-entrantly.

?C:.

?C:CRYPT\_R\_PROTO:

?C: This

symbol encodes the prototype of crypt\_r.

?C: It is zero if d\_crypt\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_crypt\_r

?C: is defined.

?C:.

?H:#\$d\_crypt\_r HAS\_CRYPT\_R /\*\*/

?H:#define CRYPT\_R\_PROTO \$crypt\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_crypt\_r\_proto

: see if crypt\_r exists

set crypt\_r d\_crypt\_r

eval \$inlibc

case "\$d\_crypt\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_crypt crypt.h"

case "\$d\_crypt\_r\_proto:\$usethreads" in

":define") d\_crypt\_r\_proto=define

set d\_crypt\_r\_proto crypt\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_crypt\_r\_proto" in

define)

case "\$crypt\_r\_proto" in

"|0) try='char\* crypt\_r(const char\*, const char\*, struct crypt\_data\*);'

./protochk "\$extern\_C \$try" \$hdrs && crypt\_r\_proto=B\_CCS ;;

esac

case "\$crypt\_r\_proto" in

"|0) try='char\* crypt\_r(const char\*, const char\*, CRYPTD\*);'

./protochk "\$extern\_C \$try" \$hdrs && crypt\_r\_proto=B\_CCD ;;

esac

case "\$crypt\_r\_proto" in

"|0) d\_crypt\_r=undef

crypt\_r\_proto=0

echo

"Disabling crypt\_r, cannot determine prototype." >&4 ;;

\*) case "\$crypt\_r\_proto" in

REENTRANT\_PROTO\*) ;;

\*) crypt\_r\_proto="REENTRANT\_PROTO\_\$crypt\_r\_proto" ;;

esac

```

echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "crypt_r has no prototype, not using it." >&4 ;;
esac
d_crypt_r=undef
crypt_r_proto=0
;;
esac
;;
*) crypt_r_proto=0
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_crypt_r.U
```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: d_gnulibc.U,v 3.0.1.1 1997/02/28 15:34:33 ram Exp $
?RCS:
?RCS: Copyright (c) 1996,1998 Andy Dougherty
?RCS: Copyright (c) 1996, Sven Verdoolaege
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
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?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: d_gnulibc.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:34:33 ram
?RCS: patch61: created
?RCS:
?MAKE:d_gnulibc gnulibc_version: Myread Oldconfig Setvar rm_try \
cat Compile run
?MAKE: -pick add $@ %<
?S:d_gnulibc:
?S: Defined if we're dealing with the GNU C Library.
?S:.
?S:gnulibc_version:
?S: This variable contains the version number of the GNU C library.
?S: It is
usually something like '2.2.5'. It is a plain " if this
?S: is not the GNU C library, or if the version is unknown.
?S:.

```

```

?C:HAS_GNULIBC:
?C: This symbol, if defined, indicates to the C program that
?C: the GNU C library is being used. A better check is to use
?C: the __GLIBC__ and __GLIBC_MINOR__ symbols supplied with glibc.
?C:.
?H:#$d_gnulibc HAS_GNULIBC /**/
?H:%<:#if defined(HAS_GNULIBC) && !defined(_GNU_SOURCE)
?H:%<:# define _GNU_SOURCE
?H:%<:#endif
?H:.
?F:!glibc.ver !try
?LINT: set d_gnulibc
?X: gnulibc can be executed by calling __libc_main().
?X: Ulrich Drepper doesn't think any other libc does that,
?X: but we check if it says 'GNU C Library' to be sure.
?X:
?X: Alas, as of 3/1998 glibc 2.0.7 reportedly isn't going to
?X: have __libc_main() anymore. :-(. Fortunately, all released
?X: versions of glibc 2.x.x _do_ have CPP variables. For 2.0.6,
?X: they are:
?X: #define __GLIBC__ 2
?X: #define __GLIBC_MINOR__ 0.
?X: (The '6' isn't available :-(.
?X: glibc2.1 will also
?X: have
?X: extern const char * __gnu_get_libc_release(void);
?X: extern const char * __gnu_get_libc_version(void);
?X: functions. --thanks to Andreas Jaeger. --AD 6/1998.
?X: Although the exact format isn't documented, __gnu_get_libc_version()
?X: returns a simple string '2.1.3' in glibc 2.1.3.
?X:
: Check if we are using the GNU C library
echo " "
echo "Checking for GNU C Library..." >&4
cat >try.c <<'EOCP'
/* Find out version of GNU C library. __GLIBC__ and __GLIBC_MINOR__
   alone are insufficient to distinguish different versions, such as
   2.0.6 and 2.0.7. The function gnu_get_libc_version() appeared in
   libc version 2.1.0. A. Dougherty, June 3, 2002.
*/
#include <stdio.h>
int main(void)
{
#ifdef __GLIBC__
# ifdef __GLIBC_MINOR__
# if __GLIBC__ >= 2 && __GLIBC_MINOR__ >= 1 && !defined(__cplusplus)
# include <gnu/libc-version.h>
printf("%s\n", gnu_get_libc_version());

```



```

# else
    printf("%d.%d\n", __GLIBC__, __GLIBC_MINOR__);
#
    endif
# else
    printf("%d\n", __GLIBC__);
# endif
    return 0;
#else
    return 1;
#endif
}
EOCP
set try
if eval $compile_ok && $run ./try > glibc.ver; then
    val="$define"
    gnulibc_version=`$cat glibc.ver`
    echo "You are using the GNU C Library version $gnulibc_version"
else
    val="$undef"
    gnulibc_version=""
    echo "You are not using the GNU C Library"
fi
$rm_try glibc.ver
set d_gnulibc
eval $setvar

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/compline/d_gnulibc.U

```

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?RCS: \$Id: dlsrc.U,v\$

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?RCS:

?RCS: \$Log: dlex.U,v \$

?RCS:

?X: hpux support thanks to Jeff Okamoto <okamoto@hpcc101.corp.hp.com>

?X:

?X: To create a shared library, you must compile ALL source files in the

?X: library with +z (or possibly +Z if the library is whopping huge),

?X: then link the library with -b. Example:

?X: cc -c +z module\_a.c

?X: cc -c +z module\_b.c

```

?X: ld -b module_a.o module_b.o -o module.sl
?X:
?MAKE:dlex: \
  Getfile Myread cat usedl so
?MAKE: -pick add $@ %<
?Y:BOTTOM
?S:dlex:
?S: This variable contains the extension that is to be used for the
?S: dynamically loaded modules that perl generates.
?S:.
: Check what extension to use for shared libs
case "$usedl" in
$define|y|true)
  $cat <<
  EOM

```

On a few systems, the dynamically loaded modules that perl generates and uses will need a different extension than shared libs. The default will probably be appropriate.

```

EOM
case "$dlex" in
") dflt="$so" ;;
*) dflt="$dlex" ;;
esac
rp='What is the extension of dynamically loaded modules'
./myread
dlex="$ans"
;;
*)
dlex="none"
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/dlex.U

```

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```

?RCS:
?RCS: $Log: Config_sh.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 14:57:53 ram
?RCS: patch61: added support for src.U
?RCS:
?RCS: Revision 3.0.1.2 1995/01/11 14:53:31 ram
?RCS: patch45: moved path stripping from d_portable.U to end of Configure
?RCS:
?RCS: Revision 3.0.1.1 1994/10/29 15:50:37 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:48 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: This unit ends up producing the config.sh
script, which contains all the
?X: definitions figured out by Configure. The add.Config_sh command knows
?X: which variables need to be remembered. It also adds the EOT (ends the
?X: here document redirection with variable substitution).
?X:
?MAKE:Config_sh: cf_time cf_by test spitshell startsh myuname Myread \
End Obsol_sh Loc +d_portable package src cat sed
?MAKE: -pick add.Config_sh $@ %<
?MAKE: -pick add $@ ./Obsol_sh
?MAKE: -pick close.Config_sh $@ %<
?F:!config.over !config.arch
?T:file sfile xsed
?LINT:unclosed EOT
: back to where it started
if test -d ../UU; then
cd ..
fi

: configuration may be unconditionally patched via a 'config.arch' file
if $test -f config.arch; then
echo "I see a config.arch file, loading it." >&4
. ./config.arch
fi

: configuration may be patched via a 'config.over' file
if $test -f config.over; then
echo " "
dflt=y
rp='I see a config.over file. Do you wish to load it?'
. UU/myread
case "$ans" in
n*) echo "OK, I'll ignore it.";;

```

```

*) ./config.over
echo
"Configuration override changes have been loaded."
;;
esac
fi

@if d_portable
: in case they want portability, strip down executable paths
?X:
?X: Strip down paths in located executables. For each file, e.g. vi, there
?X: is a $vi variable whose value is for instance '/usr/bin/vi'. By resetting
?X: $vi to 'vi', we rely on the PATH variable to locate the executable...
?X: In order to allow vi='/usr/bin/nvi' which will strip down to vi='nvi',
?X: we can't just say 'eval $file="\$file"', we have to recourse to sed.
?X: We don't use basename since it is less portable than sed.
?X:
case "$d_portable" in
"$define")
echo " "
echo "Stripping down executable paths..." >&4
xsed=$sed
for file in $loclist $trylist; do
eval sfile="\$file"
sfile=`echo $sfile | $xsed -e 's,.*^(.*)\,1,`
eval $file="$sfile"
done
;;
esac

@end
: create config.sh file
echo " "
echo "Creating config.sh..." >&4
$spitshell <<EOT >config.sh
$startsh
#
# This file was produced by running the
# Configure script. It holds all the
# definitions figured out by Configure. Should you modify one of these values,
# do not forget to propagate your changes by running "Configure -der". You may
# instead choose to run each of the .SH files by yourself, or "Configure -S".
#
# Package name : $package
# Source directory : $src
# Configuration time: $cf_time
# Configured by : $cf_by

```

# Target system : \$myuname

EOT

?X: Command line options are saved by the Options.U unit in the

?X: temporary file UU/cmdline.opt

\$stest -f UU/cmdline.opt && \$cat UU/cmdline.opt >> config.sh

\$spitshell <<EOT >>config.sh

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Config\_sh.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

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?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_socketmarkproto: Hasproto d\_socket

?MAKE: -pick add \$@ %<

?S:d\_socketmarkproto:

?S: This variable conditionally defines the HAS\_SOCKETMARK\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the socketmark() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_SOCKETMARK\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the socketmark() function. Otherwise, it is up

?C: to the program to supply one. A good

guess is

?C: extern int socketmark(int);

?C:.

?H:#\$d\_socketmarkproto HAS\_SOCKETMARK\_PROTO /\*\*/

?H:.

?LINT:set d\_socketmarkproto

: see if prototype for socketmark is available

echo " "

set d\_socketmarkproto socketmark \$d\_socket sys/socket.h

eval \$hasproto

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_socketmarkproto.U

No license file was found, but licenses were detected in source scan.

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?RCS:

?MAKE:d\_tgamma: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_tgamma:

?S: This variable conditionally defines the HAS\_TGAMMA symbol, which

?S: indicates to the C program that the tgamma() routine is available

?S: for the gamma function. See also d\_lgamma.

?S:.

?C:HAS\_TGAMMA:

?C: This symbol, if defined, indicates that the tgamma routine is

?C: available to do the gamma function. See also HAS\_LGAMMA.

?C:.

?H:#\$d\_tgamma HAS\_TGAMMA /\*\*/

?H:.

?LINT:set d\_tgamma

: see if tgamma exists

set tgamma d\_tgamma

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-

5.30.0/U/perl/d\_tgamma.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_pathconf.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

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?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_pathconf.U,v \$

?RCS: Revision 3.0.1.1 1994/10/29 16:14:54 ram

?RCS: patch36: created by ADO

?RCS:

?MAKE:d\_pathconf d\_fpathconf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_pathconf:

?S: This variable conditionally defines the HAS\_PATHCONF symbol, which

?S: indicates to the C program that the pathconf() routine is available

?S: to determine file-system related limits and options associated

?S: with a given filename.

?S:.

?S:d\_fpathconf:

?S: This variable conditionally defines the HAS\_FPATHCONF symbol, which

?S: indicates to the C program that the pathconf() routine is available

?S: to determine file-system related limits and options associated

?S: with a given open file descriptor.

?S:.

?C:HAS\_PATHCONF:

?C: This symbol, if defined, indicates that pathconf() is available

?C: to determine file-system related limits and options associated

?C: with a given filename.

?C:.

?C:HAS\_FPATHCONF:

?C: This symbol, if defined, indicates that pathconf() is available

?C: to determine file-system related limits and options associated

?C: with a given open file descriptor.

?C:.

?H:#\$d\_pathconf HAS\_PATHCONF /\*\*/

?H:#\$d\_fpathconf HAS\_FPATHCONF /\*\*/

?H:.

?LINT:set d\_pathconf

?LINT:set d\_fpathconf

: see if pathconf exists

set pathconf d\_pathconf

eval \$inlibc

@if d\_fpathconf || HAS\_FPATHCONF

: see if fpathconf exists

set fpathconf d\_fpathconf

eval \$inlibc

@end

Found in path(s):

\*

/opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_pathconf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getservbyname\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

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?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getservbyname\_r getservbyname\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getservbyname\_r:

?S: This variable conditionally defines the HAS\_GETSERVBYNAME\_R symbol,  
?S: which indicates to the C program that the getservbyname\_r()  
?S: routine is available.

?S:.

?S:getservbyname\_r\_proto:

?S: This variable encodes the prototype of getservbyname\_r.  
?S: It is zero if d\_getservbyname\_r is undef, and one of the  
?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyname\_r  
?S: is defined.

?S:.

?C:HAS\_GETSERVBYNAME\_R:

?C: This symbol, if defined, indicates  
that the getservbyname\_r routine  
?C: is available to getservbyname re-entrantly.

?C:.

?C:GETSERVBYNAME\_R\_PROTO:

?C: This symbol encodes the prototype of getservbyname\_r.  
?C: It is zero if d\_getservbyname\_r is undef, and one of the  
?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getservbyname\_r  
?C: is defined.

?C:.

?H:#\$d\_getservbyname\_r HAS\_GETSERVBYNAME\_R /\*\*/  
?H:#define GETSERVBYNAME\_R\_PROTO \$getservbyname\_r\_proto /\*\*/  
?H:.

?T:try hdrs d\_getservbyname\_r\_proto  
: see if getservbyname\_r exists  
set getservbyname\_r d\_getservbyname\_r  
eval \$inlibc  
case "\$d\_getservbyname\_r" in  
"\$define")  
hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"  
case "\$d\_getservbyname\_r\_proto:\$usethreads" in  
":define") d\_getservbyname\_r\_proto=define  
set d\_getservbyname\_r\_proto getservbyname\_r \$hdrs  
eval \$hasproto ;;  
\*) ;;  
esac  
case "\$d\_getservbyname\_r\_proto" in  
define)  
case "\$getservbyname\_r\_proto" in



```

"|0) try='int getservbyname_r(const char*, const char*, struct servent*, char*,
size_t, struct servent**);'
./protochk "$extern_C $try" $hdrs && getservbyname_r_proto=I_CCSD ;;
esac
case "$getservbyname_r_proto" in
"|0) try='struct servent* getservbyname_r(const char*, const char*, struct servent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getservbyname_r_proto=S_CCSD ;;
esac
case "$getservbyname_r_proto" in
"|0) try='int getservbyname_r(const char*, const char*, struct servent*, struct servent_data*);'
./protochk "$extern_C $try" $hdrs && getservbyname_r_proto=I_CCSD ;;
esac
case "$getservbyname_r_proto" in
"|0) d_getservbyname_r=undef
getservbyname_r_proto=0
echo "Disabling getservbyname_r, cannot determine prototype." >&4 ;;
*) case "$getservbyname_r_proto" in
REENTRANT_PROTO*) ;;
*) getservbyname_r_proto="REENTRANT_PROTO_$getservbyname_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susethreads" in
define) echo "getservbyname_r has no prototype, not using it." >&4 ;;
esac
d_getservbyname_r=undef
getservbyname_r_proto=0
;;
esac
;;
*) getservbyname_r_proto=0
;;
esac

```

#### Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getservbyname\_r.U

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?RCS: \$Id\$

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_strftime.U,v \$

?RCS: Revision 3.0 1993/08/18 12:07:36 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:d\_strftime: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_strftime:

?S: This variable conditionally defines HAS\_STRFTIME if strftime() is

?S: available to format locale-specific times.

?S:.

?C:HAS\_STRFTIME:

?C: This symbol, if defined, indicates that the strftime routine is

?C: available to format locale-specific times.

?C:.

?H:#\$d\_strftime HAS\_STRFTIME /\*\*/

?H:.

?LINT:set d\_strftime

: see

if strftime exists

set strftime d\_strftime

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_strftime.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endhostent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endhostent\_r endhostent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endhostent\_r:

?S: This variable conditionally defines the HAS\_ENDHOSTENT\_R symbol,

?S: which indicates to the C program that the endhostent\_r()

?S: routine is available.

?S:.

?S:endhostent\_r\_proto:

?S: This variable encodes the prototype of endhostent\_r.

?S: It is zero if d\_endhostent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endhostent\_r

?S: is defined.

?S:.

?C:HAS\_ENDHOSTENT\_R:

?C: This symbol, if defined, indicates that the endhostent\_r routine

?C: is

available to endhostent re-entrantly.

?C:.

?C:ENDHOSTENT\_R\_PROTO:

?C: This symbol encodes the prototype of endhostent\_r.

?C: It is zero if d\_endhostent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endhostent\_r

?C: is defined.

?C:.

?H:#\$d\_endhostent\_r HAS\_ENDHOSTENT\_R /\*\*/

?H:#define ENDHOSTENT\_R\_PROTO \$endhostent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_endhostent\_r\_proto

: see if endhostent\_r exists

set endhostent\_r d\_endhostent\_r

eval \$inlibc

case "\$d\_endhostent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_endhostent\_r\_proto:\$usetthreads" in

":define") d\_endhostent\_r\_proto=define

set d\_endhostent\_r\_proto endhostent\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_endhostent\_r\_proto" in

define)

case "\$endhostent\_r\_proto" in

"|0) try='int endhostent\_r(struct hostent\_data\*);'

./protochk "\$extern\_C \$try" \$hdrs && endhostent\_r\_proto=I\_D ;;

esac

case "\$endhostent\_r\_proto" in

"|0) try='void endhostent\_r(struct

hostent\_data\*);'

./protochk "\$extern\_C \$try" \$hdrs && endhostent\_r\_proto=V\_D ;;

esac

case "\$endhostent\_r\_proto" in

"|0) d\_endhostent\_r=undef

endhostent\_r\_proto=0

echo "Disabling endhostent\_r, cannot determine prototype." >&4 ;;

\* ) case "\$endhostent\_r\_proto" in

REENTRANT\_PROTO\*) ;;

```

*) endhostent_r_proto="REENTRANT_PROTO_$endhostent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susetthreads" in
define) echo "endhostent_r has no prototype, not using it." >&4 ;;
esac
d_endhostent_r=undef
endhostent_r_proto=0
;;
esac
;;
*) endhostent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_endhostent_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: man3dir.U,v 3.1 1999/07/08 20:52:19 doughera Exp doughera $

```

```

?RCS:

```

```

?RCS: Copyright (c) 1996-1999, Andy Dougherty

```

```

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

```

```

?RCS:

```

```

?RCS: You may redistribute only under the terms of the Artistic License,

```

```

?RCS: as specified in the README file that comes with the distribution.

```

```

?RCS: You may reuse parts of this distribution only within the terms of

```

```

?RCS: that same Artistic License; a copy of which may be found at the root

```

```

?RCS: of the source tree for dist 3.0.

```

```

?RCS:

```

```

?RCS: $Log: man3dir.U,v $

```

```

?RCS: Revision 3.1 1999/07/08 20:52:19 doughera

```

```

?RCS: Updated for perl5.005_5x

```

```

?RCS:

```

```

?RCS: Revision 3.0.1.1 1997/02/28 16:10:34 ram

```

```

?RCS: patch61: created

```

```

?RCS:

```

```

?X: This was originally specific to perl5. Since perl5 has man pages that

```

```

?X: go in both man1/ and man3/ directories, we need both man1dir

```

```

?X: and man3dir. This unit is basically dist's mansrc.U with

```

```

?X: man3 used instead

```

```

of man everywhere.

```

```

?X: I then added various tests because perl5 has *lots* of man3

```

```

?X: pages with long file names. -- ADO

```

```

?X:

```

```

?MAKE:man3dir man3direxp man3ext installman3dir: cat nroff Loc Oldconfig \
sed man1dir package package Getfile Setprefixvar Prefixit Prefixup \
d_flexfnam privlib Myread test
?MAKE: -pick add $@ %<
?Y:TOP
?D:man3dir="
?S:man3dir:
?S: This variable contains the name of the directory in which manual
?S: source pages are to be put. It is the responsibility of the
?S: Makefile.SH to get the value of this into the proper command.
?S: You must be prepared to do the ~name expansion yourself.
?S:.
?D:man3direxp="
?S:man3direxp:
?S: This variable is the same as the man3dir variable, but is filename
?S: expanded at configuration time, for convenient use in makefiles.
?S:.
?D:installman3dir="
?S:installman3dir:
?S: This variable is really the same as man3direxp, unless you are using
?S: AFS in which case it points to the read/write location whereas
?S: man3direxp only
?S: points to the read-only access location. For extra
?S: portability, you should only use this variable within your makefiles.
?S:.
?S:man3ext:
?S: This variable contains the extension that the manual page should
?S: have: one of 'n', 'l', or '3'. The Makefile must supply the '.'.
?S: See man3dir.
?S:.
?T:prog tdfit
?LINT:change prefixvar
?LINT:set man3direxp
: determine where library module manual pages go
set man3dir man3dir none
eval $prefixit
$cat <<EOM

```

\$package has manual pages for many of the library modules.  
EOM

```

case "$nroff" in
nroff)
$cat <<'EOM'

```

However, you don't have nroff, so they're probably useless to you.

EOM

```

case "$man3dir" in
") man3dir="none";;

```

```
esac;;
esac
```

```
case "$d_flexfnam" in
undef)
$cat <<'EOM'
```

However, your system can't handle the long file names like File::Basename.3.

```
EOM
```

```
case "$man3dir" in
") man3dir="none";;
esac;;
esac
```

```
echo "If you don't want the manual sources installed, answer 'none'."
```

```
?X: In 5.005_57 and earlier, I had the following notes:
```

```
?X:
```

```
We do not use /usr/local/man/man3 because some man programs will
```

```
?X: only show the /usr/local/man/man3 contents, and not the system ones,
```

```
?X: thus man less will show the perl module less.pm, but not the system
```

```
?X: less command. We might also conflict with Tcl man pages.
```

```
?X: However, something like /opt/perl/man/man3 is fine.
```

```
?X:
```

```
?X: However, opinion seems to be shifting such that 'man POSIX' ought
```

```
?X: to just work. -- Andy Dougherty July 8, 1999
```

```
?X:
```

```
?X: remove any trailing -3.0 or other version indication from $package
```

```
prog=`echo $package | $sed 's/-*[0-9.]*$//`
```

```
case "$man3dir" in
```

```
") dflt=`echo "$man1dir" | $sed -e 's/man1/man3/g' -e 's/man\1/man\3/g`
```

```
if $test -d "$privlib/man/man3"; then
```

```
cat <<'EOM' >&4
```

WARNING: Previous versions of perl installed man3 pages into

\$privlib/man/man3. This version will suggest a

new default of \$dflt.

```
EOM
```

```
tdflt=$dflt
```

```
dflt='n'
```

```
rp='Do you wish to preserve the old behavior?(y/n)'
```

```
. ./myread
```

```
case "$ans" in
```

```
y*) dflt="$privlib/man/man3"
```

```
::
```

```
*) dflt=$tdflt ;;
```

```
esac
```

```
fi
```

```
::
```

```
*) dflt="$man3dir" ;;
```

```

esac
case "$dflt" in
' ') dflt=none ;;
esac
echo " "
fn=dn+~
rp="Where do the $package library man pages (source) go?"
./getfile
prefixvar=man3dir
./setprefixvar

case "$man3dir" in
") man3dir=' '
installman3dir="";;
esac

: What suffix to use on installed man pages
case "$man3dir" in
' ')
man3ext='0'
;;
*)
rp="What suffix should be used for the $package library man pages?"
case "$man3ext" in
") case "$man3dir" in
*3) dflt=3 ;;
*3p) dflt=3p ;;
*3pm) dflt=3pm ;;
*1) dflt=1;;
*n) dflt=n;;
*o) dflt=o;;
*p) dflt=p;;
*C) dflt=C;;
*L) dflt=L;;
*L3) dflt=L3;;
*) dflt=3;;
esac
;;
*) dflt="$man3ext";;
esac
./myread
man3ext="$ans"
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/man3dir.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Instruct.U,v 3.0.1.3 1997/02/28 15:02:55 ram Exp $
?RCS:
?RCS: Copyright (c) 1991-1993, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 3.0.
?RCS:
?RCS: $Log: Instruct.U,v $
?RCS: Revision 3.0.1.3 1997/02/28 15:02:55 ram
?RCS: patch61: logname / whoami sequence rewritten to use case
?RCS:
?RCS: Revision 3.0.1.2 1995/02/15 14:11:34 ram
?RCS: patch51: author name now appears at the end of the paragraph (WED)
?RCS:
?RCS: Revision 3.0.1.1 1995/01/11 15:12:05 ram
?RCS: patch45: now documents the & escape to turn -d on at the read prompt
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:04 ram
?RCS: Baseline for
dist 3.0 netwide release.
?RCS:
?X:
?X: This unit spew out the directions that we want everyone to read. I try to
?X: keep the first "pagefull" much less than a page since they don't know it
?X: isn't going to go shooting off the top of the screen, and we don't want
?X: to panic them yet.
?X:
?MAKE:Instruct: Myread Configdir Devel contains
?MAKE: -pick wipe $@ %<
?T:user needman firsttime
: general instructions
needman=true
firsttime=true
user=`(logname) 2>/dev/null`
case "$user" in
") user=`whoami 2>&1`;;
esac
if $contains "^$user$" ../.config/instruct >/dev/null 2>&1; then
firsttime=false
echo " "
rp='Would you like to see the instructions?'
dflt=n
. ./myread
```



```
case "$ans" in
[yY]*) ;;
*) needman=false;;
esac
fi
if $needman; then
cat <<EOH
```

This installation shell script will examine your system and ask you questions to determine how the <PACKAGENAME> package should be installed. If you get stuck on a question, you may use a ! shell escape to start a subshell or execute a command. Many of the questions will have default answers in square brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed to use the ~name construct to specify the login directory belonging to "name", even if you don't have a shell which knows about that. Questions where this is allowed will be marked "(~name ok)".

```
EOH
rp="
dflt='Type carriage return to continue'
./myread
cat <<'EOH'
```

The prompter used in this script allows you to use shell variables and backticks in your answers. You may use \$1, \$2, etc... to refer to the words in the default answer, as if the default line was a set of arguments given to a script shell. This means you may also use \$\* to repeat the whole default line, so you do not have to re-type everything to add something to the default.

Every time there is a substitution, you will have to confirm. If there is an error (e.g. an unmatched backtick), the default answer will remain unchanged and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'. This will bypass nearly all the questions and use the computed defaults (or the previous answers if there was already a config.sh file). Type 'Configure -h' for a list of options. You may also start interactively and then answer '& -d' at any prompt to turn on the non-interactive behaviour for the remainder of the execution.

```
EOH
./myread
cat <<EOH
```

Much effort has been expended to ensure that this shell script will run on any

Unix system. If despite that it blows up on yours, your best bet is to edit Configure and run it again. If you can't run Configure for some reason, you'll have to generate a config.sh file by hand. Whatever problems you have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

- 1) it may do direct variable substitutions on some of the files included in this kit.
- 2) it builds a config.h file for inclusion in C programs. You may edit any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it currently. The easiest thing to do is to edit config.sh and rerun all the SH files. Configure will offer to let you do this before it runs the SH files.

EOH

?X: In case they played with the prompter...

```
dflt='Type carriage return to continue'  
. ./myread  
case "$firsttime" in  
true) echo $user >>./config/instruct;;  
esac  
fi
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Instruct.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_sysioctl.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_sysioctl.U,v \$

?RCS: Revision 3.0.1.2 1994/05/06 15:04:57 ram

?RCS: patch23: added knowledge for <sys/filio.h> (WED)

?RCS: patch23: optimized amount of findhdr calls

?RCS:

?RCS: Revision 3.0.1.1 1993/11/10 17:36:09 ram

?RCS: patch14: now use a compiler check for TIOCNOTTY because of HP-UX 9.x

?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:32 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_sysioctl i\_bsdioclt i\_sysfilio i\_syssockio  
d\_voidtty: test contains \  
cat i\_termio i\_termios i\_sgtty Setvar Findhdr +cc rm Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysioctl:  
?S: This variable conditionally defines the I\_SYS\_IOCTL symbol, which  
?S: indicates to the C program that <sys/ioctl.h> exists and should  
?S: be included.  
?S:.  
?S:i\_sysfilio:  
?S: This variable conditionally defines the I\_SYS\_FILIO symbol, which  
?S: indicates to the C program that <sys/filio.h> exists and should  
?S: be included in preference to <sys/ioctl.h>.  
?S:.  
?S:i\_bsdioclt:  
?S: This variable conditionally defines the I\_SYS\_BSDIOCTL symbol, which  
?S: indicates to the C program that <sys/bsdioclt.h> exists and should  
?S: be included.  
?S:.  
?S:i\_syssockio:  
?S: This variable conditionally defines I\_SYS\_SOCKIO to indicate to the  
?S: C program that socket ioctl codes may be found in <sys/sockio.h>  
?S: instead of <sys/ioctl.h>.  
?S:.  
?S:d\_voidtty:  
?S: This variable conditionally defines USE\_IOCTLTY to indicate that the  
?S: ioctl() call with TIOCNOTTY should be used  
?S: to void tty association.  
?S: Otherwise (on USG probably), it is enough to close the standard file  
?S: descriptors and do a setpgrp().  
?S:.  
?C:I\_SYS\_IOCTL (I\_SYS\_IOCTL):  
?C: This symbol, if defined, indicates that <sys/ioctl.h> exists and should  
?C: be included. Otherwise, include <sgtty.h> or <termio.h>.  
?C:.  
?C:I\_SYS\_FILIO:  
?C: This symbol, if defined, indicates that <sys/filio.h> exists and  
?C: should be included instead of <sys/ioctl.h>.  
?C:.  
?C:I\_SYS\_BSDIOCTL (I\_BSDIOCTL):  
?C: This symbol, if defined, indicates that <sys/bsdioclt.h> exists and should  
?C: be included. Otherwise, try <sys/ioctl.h>. This is primarily intended for  
?C: definitions of sockets options, like SIOCATMARK.  
?C:.

?C:I\_SYS\_SOCKIO (I\_SYSSOCKIO):  
?C: This symbol, if defined, indicates the <sys/sockio.h> should be included  
?C: to get socket ioctl options, like SIOCATMARK.  
?C:.  
?C:USE\_TIOCNOTTY (VOIDTTY):  
?C: This symbol, if defined indicate to the C program that the ioctl()  
?C: call with TIOCNOTTY should be used  
to void tty association.  
?C: Otherwise (on USG probably), it is enough to close the standard file  
?C: descriptors and do a setpgrp().  
?C:.  
?H:#\$i\_sysioctl I\_SYS\_IOCTL /\*\*/  
?H:#\$i\_sysfilio I\_SYS\_FILIO /\*\*/  
?H:#\$i\_bsdioclt I\_SYS\_BSDIOCTL /\*\*/  
?H:#\$i\_syssockio I\_SYS\_SOCKIO /\*\*/  
?H:#\$d\_voidtty USE\_TIOCNOTTY /\*\*/  
?H:.  
?T:xxx  
: see if ioctl defs are in sgty, termio, sys/filio or sys/ioctl  
?LINT:set i\_sysfilio  
set sys/filio.h i\_sysfilio  
eval \$inhdr  
echo " "  
if \$test `./findhdr sys/ioctl.h`; then  
val="\$define"  
echo '<sys/ioctl.h> found.' >&4  
else  
val="\$undef"  
if \$test \$i\_sysfilio = "\$define"; then  
echo '<sys/ioctl.h> NOT found.' >&4  
else  
\$test \$i\_sgty = "\$define" && xxx="sgty.h"  
\$test \$i\_termio = "\$define" && xxx="termio.h"  
\$test \$i\_termios = "\$define" && xxx="termios.h"  
echo "No <sys/ioctl.h> found, assuming ioctl args are defined in <\$xxx>." >&4  
fi  
fi  
?LINT:set i\_sysioctl  
set i\_sysioctl  
eval \$setvar  
  
@if I\_BSDIOCTL || i\_bsdioclt  
?X:  
?X: The only machine I know where this  
inclusion was necessary is a  
?X: BULL DPX 5000 (a French machine).  
?X:  
: see if socket ioctl defs are in sys/bsdioclt or sys/ioctl

```

echo " "
xxx=`./findhdr sys/bsdioc1.h`
if $test "$xxx"; then
if $contains SIOCATMARK $xxx >/dev/null 2>&1; then
val="$define"
echo "You have socket ioctls defined in <sys/bsdioc1.h>." >&4
else
val="$undef"
echo "No socket ioctls found in <sys/bsdioc1.h>." >&4
fi
else
val="$undef"
echo "<sys/bsdioc1.h> not found, but that's ok." >&4
fi
?LINT:set i_bsdioc1
set i_bsdioc1
eval $setvar

@end
@if I_SYSSOCKIO || i_syssockio
: see if socket ioct1 defs are in sys/sockio.h
echo " "
xxx=`./findhdr sys/sockio.h`
if $test "$xxx"; then
if $contains SIOCATMARK $xxx >/dev/null 2>&1; then
val="$define"
echo "You have socket ioctls defined in <sys/sockio.h>." >&4
else
val="$undef"
echo "No socket ioctls found in <sys/sockio.h>." >&4
fi
else
val="$undef"
@if I_BSDIOCTL
case "$i_bsdioc1" in
"$define") $cat <<EOM
<sys/sockio.h> not found, using
ioctls from <sys/bsdioc1.h>.
EOM
;;
*) $cat <<EOM
<sys/sockio.h> not found, assuming socket ioctls are in <sys/ioct1.h>.
EOM
;;
esac
@else
$cat <<EOM
<sys/sockio.h> not found, assuming socket ioctls are in <sys/ioct1.h>.

```

```

EOM
@end
fi
?LINT:set i_syssockio
set i_syssockio
eval $setvar

@end
@if VOIDTTY || d_voidtty
: check how to void tty association
echo " "
case "$i_sysioctl" in
"$define") xxx='sys/ioctl.h';
?X: otherwise $xxx was set during the determination of i_sysioctl, above.
esac
?X:
?X: Can't use $contains here since HP-UX 9.x has TIOCNOTTY between a pair
?X: of #ifdef/#endif and is never actually defined. Oh well...
?X:
$cat > tcio.c <<EOM
#include <sys/types.h> /* Just in case */
#include <$xxx>

int main()
{
#ifdef TIOCNOTTY
exit(0);
#else
exit(1);
#endif
}
EOM
if ($cc -o tcio tcio.c && ./tcio) >/dev/null 2>&1; then
val="$define"
echo "TIOCNOTTY found in <$xxx>." >&4
echo "Using ioctl() call on /dev/tty to void tty association." >&4
else
val="$undef"
echo "Closing
standard file descriptors should void tty association." >&4
fi
?LINT:set d_voidtty
set d_voidtty
eval $setvar
$rm -f tcio tcio.? core

@end

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysioctl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: longsize.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: longsize.U,v \$

?RCS: Revision 3.0.1.2 1997/02/28 16:09:35 ram

?RCS: patch61: code moved to intsize.U

?RCS:

?RCS: Revision 3.0.1.1 1994/10/29 16:24:31 ram

?RCS: patch36: added ?F: line for metalint file checking

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:07 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: 'longsize' is now defined within intsize.U

?X:

?LINT: empty

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/longsize.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_readlink.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_readlink.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:11:52 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_readlink: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_readlink:  
?S: This variable conditionally defines the HAS\_READLINK symbol, which  
?S: indicates to the C program that the readlink() routine is available  
?S: to read the value of a symbolic link.  
?S:.  
?C:HAS\_READLINK :  
?C: This  
symbol, if defined, indicates that the readlink routine is  
?C: available to read the value of a symbolic link.  
?C:.  
?H:#\$d\_readlink HAS\_READLINK /\*\*/  
?H:.  
?LINT:set d\_readlink  
: see if readlink exists  
set readlink d\_readlink  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_readlink.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: Inlibc.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Inlibc.U,v \$  
?RCS: Revision 3.0.1.1 1994/10/29 15:55:08 ram  
?RCS: patch36: call ./whoa explicitly instead of relying on PATH  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:03 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:  
?X: This unit checks for the definition of a given function.  
?X:  
?X: To use it, say:



```

?X: set function d_func
?X: eval $inlibc
?X:
?MAKE:Inlibc: Csym Whoa Oldconfig
?MAKE: -pick add $@ %<
?LINT:define inlibc
?V:inlibc
?S:inlibc:
?S: This
    shell variable is used internally by Configure to check
?S: wether a given function is defined or not. A typical use is:
?S: set function d_func
?S: eval $inlibc
?S: That will print a message, saying wether function was found or
?S: not and set d_func accordingly.
?S:.
?T:was tx sym tres td tu var
: define an is-in-libc? function
inlibc='echo " "; td=$define; tu=$undef;
sym=$1; var=$2; eval "was=\$2";
tx=yes;
case "$reuseval$was" in
true) ;;
true*) tx=no;;
esac;
case "$tx" in
yes)
set $sym tres -f;
eval $csym;
case "$tres" in
true)
echo "$sym() found." >&4;
case "$was" in $undef) ./whoa; esac; eval "$var=\$td";
*)
echo "$sym() NOT found." >&4;
case "$was" in $define) ./whoa; esac; eval "$var=\$tu";
esac;;
*)
case "$was" in
$define) echo "$sym() found." >&4;;
*) echo "$sym() NOT found." >&4;;
esac;;
esac'

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Inlibc.U

```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_getprotby.U,v $
?RCS:
?RCS: Copyright (c) 1998 Andy Dougherty
?RCS:
?RCS: You may distribute under the terms of either the GNU General Public
?RCS: License or the Artistic License, as specified in the README file.
?RCS:
?MAKE:d_getpbyname d_getpbynumber: Inlibc
?MAKE: -pick add $@ %<
?S:d_getpbyname:
?S: This variable conditionally defines the HAS_GETPROTOBYNAME
?S: symbol, which indicates to the C program that the
?S: getprotobyname() routine is available to look up protocols
?S: by their name.
?S:.
?S:d_getpbynumber:
?S: This variable conditionally defines the HAS_GETPROTOBYNUMBER
?S: symbol, which indicates to the C program that the
?S: getprotobynumber() routine is available to look up protocols
?S: by their number.
?S:.
?C:HAS_GETPROTOBYNAME:
?C: This symbol, if defined, indicates that the getprotobyname()
?C: routine is available to look up protocols by their name.
?C:.
?C:HAS_GETPROTOBYNUMBER:
?C: This
?C: symbol, if defined, indicates that the getprotobynumber()
?C: routine is available to look up protocols by their number.
?C:.
?H:#$d_getpbyname HAS_GETPROTOBYNAME /**/
?H:#$d_getpbynumber HAS_GETPROTOBYNUMBER /**/
?H:.
?LINT:set d_getpbyname d_getpbynumber
: Optional checks for getprotobyname and getprotobynumber

@if d_getpbyname || HAS_GETPROTOBYNAME
: see if getprotobyname exists
set getprotobyname d_getpbyname
eval $inlibc
@end

@if d_getpbynumber || HAS_GETPROTOBYNUMBER
: see if getprotobynumber exists
set getprotobynumber d_getpbynumber
eval $inlibc
```

@end

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getprotby.U

No license file was found, but licenses were detected in source scan.

# You may redistribute only under the terms of the Artistic Licence,

#

# Beyond this point lie functions we may never compile.

#

#

# DO NOT CHANGE A IOTA BEYOND THIS COMMENT!

# The following table lists offsets of functions within the data section.

# Should modifications be needed, change original code and rerun perload

# with the -o option to regenerate a proper offset table.

#

|                           |       |
|---------------------------|-------|
| locate'dump_list          | 2938  |
| locate'private_units      | 3071  |
| locate'public_units       | 3858  |
| locate'units_path         | 5351  |
| main'build_extfun         | 16719 |
| main'build_filext         | 16368 |
| main'build_xref           | 25627 |
| main'complete_line        | 22216 |
| main'dump_obsolete        | 23859 |
| main'end_extraction       | 7714  |
| main'extract_dependencies | 19358 |
| main'extract_filenames    | 15511 |
| main'gensym               | 29705 |
| main'init                 | 1308  |
| main'init_depend          |       |
| 18208                     |       |
| main'init_except          | 1534  |
| main'init_extraction      | 6862  |
| main'locate_units         | 2321  |
| main'manifake             | 29793 |
| main'ofound               | 29321 |
| main'p_c                  | 10283 |
| main'p_config             | 11589 |
| main'p_magic              | 13345 |
| main'p_make               | 8066  |
| main'p_obsolete           | 9676  |
| main'p_shell              | 9830  |
| main'p_wanted             | 14245 |
| main'profile              | 30974 |

```

        main'q      17825
main'record_obsolete  22806
        main'tilda_expand  30619
        main'usage    1832

#
# End of offset table and beginning of dataloading section.
#

# General initializations
sub main'load_init {
    package main;
    &init_except; # Token which have upper-cased letters
    &init_depend; # The %Depend array records control line handling
}

# Record the exceptions -- all symbols but these are lower case
sub main'load_init_except
{
    package main;
    $Except{'Author'}++;
    $Except{'Date'}++;
    $Except{'Header'}++;
    $Except{'Id'}++;
    $Except{'Locker'}++;
    $Except{'Log'}++;
    $Except{'RCSfile'}++;
    $Except{'Revision'}++;
    $Except{'Source'}++;
    $Except{'State'}++;
}

# Print out metaxref's usage and exits
sub main'load_usage {
    package main;
    print STDERR <<EOM;
Usage: metaxref [-dhkmsV] [-f manifest] [-L dir]
-d : debug mode.
-f : use that file as manifest instead of MANIFEST.new.
-h : print this help message and exits.
-k : keep temporary directory.
-m : assume lots of memory and swap space.
-s : silent mode.
-L : specify main units repository.
-V : print version number and exits.
EOM
    exit 1;
}

```

```

# Locate the units and push their path in @ARGV (sorted alphabetically)
sub main'load_locate_units {
    package locate;
    print "Locating units...\n" unless $main'opt_s;
    local(*WD) = *main'WD; # Current working directory
    local(*MC) = *main'MC; # Public metaconfig library
    undef %myUlist; #
    Records private units paths
    undef %myUseen; # Records private/public conflicts
    &private_units; # Locate private units in @myUlist
    &public_units; # Locate public units in @ARGV
    @ARGV = sort @ARGV; # Sort it alphabetically
    push(@ARGV, sort @myUlist); # Append user's units sorted
    &dump_list if $main'opt_v; # Dump the list of units
}

# Dump the list of units on stdout
sub locate'load_dump_list {
    package locate;
    print "\t";
    $, = "\n\t";
    print @ARGV;
    $, = ";";
    print "\n";
}

# Scan private units
sub locate'load_private_units {
    package locate;
    return unless -d 'U'; # Nothing to be done if no 'U' entry
    local(*ARGV) = *myUlist; # Really fill in @myUlist
    local($MC) = $WD; # We are really in the working directory
    &units_path("U"); # Locate units in the U directory
    local($unit_name); # Unit's name (without .U)
    local(@kept); # Array of kept units
    # Loop over the units and remove duplicates (the first one seen is the one
    # we keep). Also set the
    %myUseen H table to record private units seen.
    foreach (@ARGV) {
        ($unit_name) = m|^.*(\/.*)\.U$; # Get unit's name from path
        next if $myUseen{$unit_name}; # Already recorded
        $myUseen{$unit_name} = 1; # Record private unit
        push(@kept, $_); # Keep this unit
    }
    @ARGV = @kept;
}

```

```

# Scan public units
sub locate'load_public_units {
  package locate;
  chdir($MC) || die "Can't find directory $MC.\n";
  &units_path("U"); # Locate units in public U directory
  chdir($WD) || die "Can't go back to directory $WD.\n";
  local($path); # Relative path from $WD
  local($unit_name); # Unit's name (without .U)
  local(*Unit) = *main'Unit; # Unit is a global from main package
  local(@kept); # Units kept
  local(%warned); # Units which have already issued a message
  # Loop over all the units and keep only the ones that were not found in
  # the user's U directory. As it is possible two or more units with the same
  # name be found in
  foreach (@ARGV) {
    ($unit_name) = m|^.*\/(.*)\.U$|; #
    Get unit's name from path
    next if $warned{$unit_name}; # We have already seen this unit
    $warned{$unit_name} = 1; # Remember we have warned the user
    if ($myUsein{$unit_name}) { # User already has a private unit
      $path = $Unit{$unit_name}; # Extract user's unit path
      next if $path eq $_; # Same path, we must be in mcon/
      $path =~ s|^$WD/||o; # Weed out leading working dir path
      print " Your private $path overrides the public one.\n"
        unless $main'opt_s;
    } else {
      push(@kept, $_); # We may keep this one
    }
  }
  @ARGV = @kept;
}

# Recursively locate units in the directory. Each file ending with .U has to be
# a unit. Others are stat()'ed, and if they are a directory, they are also
# scanned through. The $MC and @ARGV variable are dynamically set by the caller.
sub locate'load_units_path {
  package locate;
  local($dir) = @_; # Directory where units are to be found
  local(@contents); # Contents of the directory
  local($unit_name); # Unit's name,
  without final .U
  local($path); # Full path of a unit
  local(*Unit) = *main'Unit; # Unit is a global from main package
  unless (opendir(DIR, $dir)) {
    warn("Cannot open directory $dir.\n");
    return;
  }
  print "Locating in $MC/$dir...\n" if $main'opt_v;

```

```

@contents = readdir DIR; # Slurp the whole thing
closedir DIR; # And close dir, ready for recursion
foreach (@contents) {
  next if $_ eq '.' || $_ eq '..';
  if (/\.U$/) { # A unit, definitely
    ($unit_name) = /^(.*)\.U$/;
    $path = "$MC/$dir/$_"; # Full path of unit
    push(@ARGV, $path); # Record its path
    if (defined $Unit{$unit_name}) { # Already seen this unit
      if ($main'opt_v) {
        ($path) = $Unit{$unit_name} =~ m|^(.*)\.*|;
        print " We've already seen $unit_name.U in $path.\n";
      }
    } else {
      $Unit{$unit_name} = $path; # Map name to path
    }
  }
  next;
}
# We have found a file which does not look like a unit. If it is a
# directory, then scan it. Otherwise skip the file.
unless
(-d "$dir/$_") {
  print " Skipping file $_ in $dir.\n" if $main'opt_v;
  next;
}
&units_path("$dir/$_");
print "Back to $MC/$dir...\n" if $main'opt_v;
}
}

# Initialize the extraction process by setting some variables.
# We return a string to be eval to do more customized initializations.
sub main'load_init_extraction {
  package main;
  open(INIT, ">$WD/.MT/Init.U") ||
  die "Can't create .MT/Init.U\n";
  open(CONF_H, ">$WD/.MT/Config_h.U") ||
  die "Can't create .MT/Config_h.U\n";
  open(EXTERN, ">$WD/.MT/Extern.U") ||
  die "Can't create .MT/Extern.U\n";
  open(MAGIC_H, ">$WD/.MT/Magic_h.U") ||
  die "Can't create .MT/Magic_h.U\n";

  $c_symbol = ""; # Current symbol seen in ?C: lines
  $s_symbol = ""; # Current symbol seen in ?S: lines
  $m_symbol = ""; # Current symbol seen in ?M: lines
  $heredoc = ""; # Last "here" document symbol seen
  $heredoc_nosubst = 0; # True for <<'EOM' here docs

```

```

$condlist = "; # List of conditional symbols
$defined =
"; # List of defined symbols in the unit
$body = "; # No procedure to handle body
$ending = "; # No procedure to clean-up
}

# End the extraction process
sub main'load_end_extraction {
    package main;
    close EXTERN; # External dependencies (libraries, includes...)
    close CONF_H; # C symbol definition template
    close INIT; # Required initializations
    close MAGIC; # Magic C symbol redefinition templates

    print $dependencies if $opt_v; # Print extracted dependencies
}

# Process the ?MAKE: line
sub main'load_p_make {
    package main;
    local($_) = @_;
    local(@ary); # Locally defined symbols
    local(@dep); # Dependencies
    if (/^\[w+ ]*:/) { # Main dependency rule
        s/^\s*//; # Remove leading spaces
        chop;
        s/:(.*)//;
        @dep = split(' ', $1); # Dependencies
        @ary = split(' '); # Locally defined symbols
        foreach $sym (@ary) {
            # Symbols starting with a '+' are meant for internal use only.
            next if $sym =~ s/^\+//;
            # Only symbols starting with
            a lowercase letter are to
            # appear in config.sh, excepted the ones listed in Except.
            if ($sym =~ /^[_a-z]/ || $Except{$sym}) {
                $shmaster{"\$$sym"} = undef;
                push(@Master, "?$unit:$sym=\n"); # Initializations
            }
        }
    }
    $condlist = "; # List of conditional symbols
    local($sym); # Symbol copy, avoid @dep alteration
    foreach $dep (@dep) {
        if ($dep =~ /^[+][A-Za-z]/) {
            ($sym = $dep) =~ s/^\+//;
            $condlist .= "$sym ";
            push(@Cond, $sym) unless $condseen{$sym};
        }
    }
}

```



```

    $condseen{$sym}++; # Conditionally wanted
  }
}
# Append to already existing dependencies. The 'defined' variable
# is set for &write_out, used to implement ?L: and ?I: canvas. It is
# reset each time a new unit is parsed.
# NB: leading '+' for defined symbols (internal use only) have been
# removed at this point, but conditional dependencies still bear it.
$defined = join(' ', @ary); # Symbols defined by this unit
$dependencies .= $defined . ' ' . join(' ', @dep) . "\n";
$dependencies
.= " -cond $condlist\n" if $condlist;
} else {
  $dependencies .= $_; # Building rules
}
}

# Process the ?O: line
sub main'load_p_obsolete {
  package main;
  local($_) = @_;
  $Obsolete{"$unit.U"} .= $_; # Message(s) to print if unit is used
}

# Process the ?S: lines
sub main'load_p_shell {
  package main;
  local($_) = @_;
  unless ($s_symbol) {
    if (/^(w+).*/) {
      $s_symbol = $1;
      print " ?S: $s_symbol\n" if $opt_d;
    } else {
      warn "\"$file\", line $.: syntax error in ?S: construct.\n";
      $s_symbol = $unit;
      return;
    }
  }
  # Deal with obsolete symbol list (enclosed between parenthesis)
  &record_obsolete("$$_") if /^(/;
}
m|^\s*$| && ($s_symbol = ""); # End of comment
}

# Process the ?C: lines
sub main'load_p_c {
  package main;
  local($_) = @_;
  unless ($c_symbol) {

```

```

if (s/^(w+)\s*~\s*(S+)\s*(.*):/ $1 $3:/) {
# The ~ operator aliases the main C symbol to another symbol which
# is to be used instead for definition in config.h. That is to say,
#
the line '?C:SYM ~ other:' would look for symbol 'other' instead,
# and the documentation for symbol SYM would only be included in
# config.h if 'other' were actually wanted.
$c_symbol = $2; # Alias for definition in config.h
print " ?C: $1 ~ $c_symbol\n" if $opt_d;
} elsif (/^(w+)\s*(.*):/) {
# Default behaviour. Include in config.h if symbol is needed.
$c_symbol = $1;
print " ?C: $c_symbol\n" if $opt_d;
} else {
warn "\"$file\", line $.: syntax error in ?C: construct.\n";
$c_symbol = $unit;
return;
}
# Deal with obsolete symbol list (enclosed between parenthesis) and
# make sure that list do not appear in config.h.SH by removing it.
&record_obsolete("$_") if /( /;
s/\s*(.*)//; # Get rid of obsolete symbol list
}
s/^(w+)\s*|?$c_symbol:/* $1| || # Start of comment
(s|\.\s*$|?$c_symbol: *\n| && ($c_symbol = ", 1)) || # End of comment
s/^(.*)|?$c_symbol: *$1|; # Middle of comment
&p_config("$_"); # Add comments
to config.h.SH
}

```

```

# Process the ?H: lines
sub main'load_p_config {
package main;
local($_) = @_;
local($constraint); # Constraint to be used for inclusion
++$old_version if s/^\?%1: //; # Old version
if (s/^\?(w+)//) { # Remove leading '?var:'
$c_constraint = $1; # Constraint is leading '?var'
} else {
$c_constraint = ""; # No constraint
}
if (/^#.*$/) { # Look only for cpp lines
if (m/^\#$(w+)\s+(w+).*$(w+)\s/) {
# Case: # $d_var VAR "$svar"
$c_constraint = $2 unless $constraint;
print " ?H: ($constraint) # $1 $2 \"\$3\"\n" if $opt_d;
$cmaster{$2} = undef;
$swanted{$2} = "$1\n$3";
}
}

```

```

} elsif (m/^#define\s+(\w+)\(((.*)\)|s+\$(\w+)) {
# Case: #define VAR(x) $var
$constraint = $1 unless $constraint;
print " ?H: ($constraint) #define $1($2) \$$3\n" if $opt_d;
$cmaster{$1} = undef;
$swanted{$1} = $3;
} elsif (m/^#\define\s+(\w+)\) {
# Case: #define VAR
$constraint = $1 unless $constraint;
print " ?H: ($constraint)
#define $1\n" if $opt_d;
$cmaster{$1} = undef;
$swanted{$1} = "define\n$unit";
} elsif (m/^#\$(\w+)\s+(\w+)\) {
# Case: #d_var VAR
$constraint = $2 unless $constraint;
print " ?H: ($constraint) #\$$1 $2\n" if $opt_d;
$cmaster{$2} = undef;
$swanted{$2} = $1;
} elsif (m/^#define\s+(\w+).*\$(\w+)\) {
# Case: #define VAR "$var"
$constraint = $1 unless $constraint;
print " ?H: ($constraint) #define $1 \"\$$2\"\n" if $opt_d;
$cmaster{$1} = undef;
$swanted{$1} = $2;
} else {
$constraint = $unit unless $constraint;
print " ?H: ($constraint) $_" if $opt_d;
}
} else {
print " ?H: ($constraint) $_" if $opt_d;
}
# If not a single ?H:. line, add the leading constraint
s/^\./ || s/^\?/$constraint:/;
print CONF_H;
}

# Process the ?M: lines
sub main'load_p_magic {
package main;
local($_) = @_ ;
unless ($m_symbol) {
if (/^\(w+):s*([\w\s]*)n$/) {
# A '?M:sym:' line implies a '?W:%<:sym' since we'll need to know
# about the wantedness
of sym later on when building confmagic.h.
# Buf is sym is wanted, then the C symbol dependencies have to
# be triggered. That is done by introducing sym in the mwanted

```

```

# array, known by the Wanted file construction process...
$m_symbol = $1;
print " ?M: $m_symbol\n" if $opt_d;
$mwanted{$m_symbol} = $2; # Record C dependencies
&p_wanted("$unit:$m_symbol"); # Build fake ?W: line
} else {
warn "\"$file\", line $.: syntax error in ?M: construct.\n";
}
return;
}
(s/^\s*$/?m_symbol:\n/ && ($m_symbol = ", 1)) || # End of block
s/^\s*$/?m_symbol:/;
print MAGIC_H; # Definition goes to confmagic.h
print " ?M: $_" if $opt_d;
}

# Process the ?W: lines
sub main'load_p_wanted {
package main;
# Syntax is ?W:<shell symbols><C symbols>
local($active) = $_[0] =~ /^([^\s]*):/; # Symbols to activate
local($look_symbols) = $_[0] =~ /:(.*)/; # When those are used
local(@syms) = split(/ /, $look_symbols); # Keep original spacing info
$active =~ s/\s+/\n/g; #
One symbol per line

# Concatenate quoted strings, so saying something like 'two words' will
# be introduced as one single symbol "two words".
local(@symbols); # Concatenated symbols to look for
local($concat) = ""; # Concatenation buffer
foreach (@syms) {
if (s/^\s//) {
$concat = $_;
} elsif (s/\'//) {
push(@symbols, $concat . '\'' . $_);
$concat = "";
} else {
push(@symbols, $_) unless $concat;
$concat .= '\'' . $_ if $concat;
}
}

local($fake); # Fake unique shell symbol to reparent C symbol

# Now record symbols in master and wanted tables
foreach (@symbols) {
$master{$_} = undef; # Asks for look-up in C files
# Make a fake C symbol and associate that with the wanted symbol

```

```

# so that later we know where it comes from
$fake = &gensym;
$swanted{$_} = "$fake"; # Attached to this symbol
push(@Master, "?$unit:$fake="); # Fake initialization
}
}

# Extract filenames from manifest
sub main'load_extract_filenames {
    package
    main;
    &build_filext; # Construct &is_cfile and &is_shfile
    print "Extracting filenames (C and SH files) from $NEWMANI...\n"
    unless $opt_s;
    open(NEWMANI,$NEWMANI) || die "Can't open $NEWMANI.\n";
    local($file);
    while (<NEWMANI>) {
        ($file) = split(' ');
        next if $file eq 'config_h.SH'; # skip config_h.SH
        next if $file eq 'Configure'; # also skip Configure
        next if $file eq 'confmagic.h' && $opt_M;
        push(@SHlist, $file) if &is_shfile($file);
        push(@clist, $file) if &is_cfile($file);
    }
}

# Construct two file identifiers based on the file suffix: one for C files,
# and one for SH files (using the $cext and $shext variables) defined in
# the .package file.
# The &is_cfile and &is_shfile routine may then be called to know whether
# a given file is a candidate for holding C or SH symbols.
sub main'load_build_filext {
    package main;
    &build_extfun('is_cfile', $cext, '.c.h.y.l');
    &build_extfun('is_shfile', $shext, '.SH');
}

# Build routine $name to identify extensions
# listed in $exts, ensuring
# that $minimum is at least matched (both to be backward compatible with
# older .package and because it is really the minimum required).
sub main'load_build_extfun {
    package main;
    local($name, $exts, $minimum) = @_;
    local(@single); # Single letter dot extensions (may be grouped)
    local(@others); # Other extensions
    local(%seen); # Avoid duplicate extensions
    foreach $ext (split(' ', "$exts $minimum")) {

```

```

next if $seen{$ext}++;
if ($ext =~ s/^\.(\\w)$/$1/) {
    push(@single, $ext);
} else {
    # Convert into perl's regexp
    $ext =~ s/\./\./g; # Escape .
    $ext =~ s/\?/\./g; # ? turns into .
    $ext =~ s/\*/\./g; # * turns into .
    push(@others, $ext);
}
}
local($fn) = &q(<<EOF); # Function being built
:sub $name {
: local(\$_) = \@_;
EOF
local($single); # Single regexp: .c.h grouped into .[ch]
$single = \.[' . join(" , @single) . ']' if @single;
$fn .= &q(<<EOL) if @single;
: return 1 if /$single\$/;
EOL
foreach $ext (@others)
{
    $fn .= &q(<<EOL);
: return 1 if /$ext\$/;
EOL
}
$fn .= &q(<<EOF);
: 0; # None of the extensions may be applied to file name
:}
EOF
print $fn if $opt_d;
eval $fn;
chop($@) && die "Can't compile '$name':\n$fn\n$@\n";
}

# Remove ':' quotations in front of the lines
sub main'load_q {
    package main;
    local(\$_) = \@_;
    local($*) = 1;
    s/^\://g;
    $_;
}

# The %Depend array records the functions we use to process the configuration
# lines in the unit, with a special meaning. It is important that all the
# known control symbols be listed below, so that metalint does not complain.
# The %Lcmp array contains valid layouts and their comparison value.

```

```

sub main'load_init_depend {
package main;
%Depend = (
'MAKE', 'p_make', # The ?MAKE: line records dependencies
'INIT', 'p_init', # Initializations printed verbatim
'LINT', 'p_lint', # Hints for metalint
'RCS', 'p_ignore', # RCS comments are ignored
'C', 'p_c', # C symbols
'D', 'p_default', # Default value
for conditional symbols
'E', 'p_example', # Example of usage
'F', 'p_file', # Produced files
'H', 'p_config', # Process the config.h lines
'I', 'p_include', # Added includes
'L', 'p_library', # Added libraries
'M', 'p_magic', # Process the confmagic.h lines
'O', 'p_obsolete', # Unit obsolescence
'P', 'p_public', # Location of PD implementation file
'S', 'p_shell', # Shell variables
'T', 'p_temp', # Shell temporaries used
'V', 'p_visible', # Visible symbols like 'rp', 'dflt'
'W', 'p_wanted', # Wanted value for interpreter
'X', 'p_ignore', # User comment is ignored
'Y', 'p_layout', # User-defined layout preference
);
%Lcmp = (
'top', -1,
'default', 0,
'bottom', 1,
);
}

# Extract dependencies from units held in @ARGV
sub main'load_extract_dependencies {
package main;
local($proc); # Procedure used to handle a ctrl line
local($file); # Current file scanned
local($dir, $unit); # Directory
and unit's name
local($old_version) = 0; # True when old-version unit detected
local($mc) = "$MC/U"; # Public metaconfig directory
local($line); # Last processed line for metalint

printf "Extracting dependency lists from %d units...\n", $#ARGV+1
unless $opt_s;

chdir $WD; # Back to working directory
&init_extraction; # Initialize extraction files

```

```

$dependencies = ' ' x (50 * @ARGV); # Pre-extend
$dependencies = "";

# We do not want to use the <> construct here, because we need the
# name of the opened files (to get the unit's name) and we want to
# reset the line number for each files, and do some pre-processing.

file: while ($file = shift(@ARGV)) {
  close FILE; # Reset line number
  $old_version = 0; # True if unit is an old version
  if (open(FILE, $file)) {
    ($dir, $unit) = ("", $file)
    unless ($dir, $unit) = ($file =~ m|(.*)/(.*)|);
    $unit =~ s|\.U$||; # Remove extension
  } else {
    warn("Can't open $file.\n");
  }
  # If
  unit is in the standard public directory, keep only the unit name
  $file = "$unit.U" if $dir eq $mc;
  print "$dir/$unit.U:\n" if $opt_d;
  line: while (<FILE>) {
    $line = $_; # Save last processed unit line
    if (s/^\?([\w\~]+):/) { # We may have found a control line
      $proc = $Depend{$1}; # Look for a procedure to handle it
      unless ($proc) { # Unknown control line
        $proc = $1; # p_unknown expects symbol in '$proc'
        eval '&p_unknown'; # Signal error (metalint only)
        next line; # And go on next line
      }
      # Long lines may be escaped with a final backslash
      $_ .= &complete_line(FILE) if s/\\s*$//;
      # Run macros substitutions
      s/%</$unit/g; # %< expands into the unit's name
      if (s/%\*/$unit/) {
        # %* expanded into the entire set of defined symbols
        # in the old version. Now it is only the unit's name.
        ++$old_version;
      }
      eval { &$proc($_) }; # Process the line
    } else {
      next file unless $body; # No procedure to
handle body
      do {
        $line = $_; # Save last processed unit line
        eval { &$body($_) }; # From now on, it's the unit body
      } while (defined ($_ = <FILE>));
      next file;
    }
  }
}

```



```

    }
  }
} continue {
  warn("  Warning: $file is a pre-3.0 version.\n") if $old_version;
  &Sending($line) if $Sending; # Post-processing for metalint
}

&end_extraction; # End the extraction process
}

# The first line was escaped with a final \ character. Every following line
# is to be appended to it (until we found a real \n not escaped). Note that
# the leading spaces of the continuation line are removed, so any space should
# be added before the former \ if needed.
sub main'load_complete_line {
  package main;
  local($file) = @_; # File where lines come from
  local($_);
  local($read) = ""; # Concatenation of all the continuation lines found
  while (<$file>) {
    s/^\s+//; # Remove leading spaces
    if (s/\\s*$//) { # Still followed by a continuation line
      $read .= $_;
    } else { #
      We've reached the end of the continuation
      return $read . $_;
    }
  }
}

# Record obsolete symbols association (new versus old), that is to say for a
# given old symbol, $Obsolete{'old'} = new symbol to be used. A '$' is prepended
# for all shell variables
sub main'load_record_obsolete {
  package main;
  local($_) = @_;
  local(@obsoleted); # List of obsolete symbols
  local($symbol); # New symbol which must be used
  local($dollar) = s/^\$/ ? '$':"; # The '$' or a null string
  # Syntax for obsolete symbols specification is
  # list of symbols (obsolete ones):
  if (/^\(w+)\s*((.*)\)\s*$/) {
    $symbol = "$dollar$1";
    @obsoleted = split(' ', $2); # List of obsolete symbols
  } else {
    if (/^\(w+)\s*((.):$)/) {
      warn "\"$file\", line $.: final ')' before ':' missing.\n";
      $symbol = "$dollar$1";
    }
  }
}

```

```

@obsoleted = split(' ', $2);
} else {
warn "\"$file\"", line $.: syntax error.\n";
return;
}
}
foreach $val (@obsoleted) {
$_ = $dollar . $val;
if (defined $Obsolete{$_})
{
warn "\"$file\"", line $.: '$_' already obsoleted by '$Obsolete{$_}'.\n";
} else {
$Obsolete{$_} = $symbol; # Record (old, new) tuple
}
}
}

# Dump obsolete symbols used in file 'Obsolete'. Also write Obsol_h.U and
# Obsol_sh.U to record old versus new mappings if the -o option was used.
sub main'load_dump_obsolete {
package main;
unless (-f 'Obsolete') {
open(OBSOLETE, ">Obsolete") || die "Can't create Obsolete.\n";
}
open(OBSOL_H, ">.MT/Obsol_h.U") || die "Can't create .MT/Obsol_h.U.\n";
open(OBSOL_SH, ">.MT/Obsol_sh.U") || die "Can't create .MT/Obsol_sh.U.\n";
local($file); # File where obsolete symbol was found
local($old); # Name of this old symbol
local($new); # Value of the new symbol to be used
# Leave a blank line at the top so that any added ^L will stand on a line
# by itself (the formatting process adds a ^L when a new page is needed).
format OBSOLETE_TOP =

        File          |   Old symbol      |
        New symbol

-----+-----+-----
.
format OBSOLETE =
@<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< | @<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< | @<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<
$file,                      $old,                      $new
.
local(%seen);
foreach $key (sort keys %ofound) {
($file, $old, $new) = ($key =~ /^(\\S+)\s+(\\S+)\s+(\\S+)/);
write(OBSOLETE) unless $file eq 'XXX';
next unless $opt_o; # Obsolete mapping done only with -o
next if $seen{$old}++; # Already remapped, thank you
if ($new =~ s/^\$/ /) { # We found an obsolete shell symbol

```

```

Sold =~ s/^\$/;
print OBSOL_SH "$old=\"\$$new\"";
} else { # We found an obsolete C symbol
print OBSOL_H "#ifdef $new";
print OBSOL_H "#define $old $new";
print OBSOL_H "#endif";
}
}
close OBSOLETE;
close OBSOL_H;
close OBSOL_SH;
if (-s 'Obsolete') {
print "*** Obsolete symbols found -- see file 'Obsolete' for a list.";
} else {
unlink 'Obsolete';
}
undef
%ofound; # Not needed any more
}

# Parse files and build cross references
sub main'load_build_xref {
package main;
print "Building cross-reference files...\n" unless $opt_s;
unless (-f $NEWMANI) {
&manifake;
die "No $NEWMANI--don't know who to scan.\n" unless -f $NEWMANI;
}

open(FUI, "|sort | uniq >I.fui") || die "Can't create I.fui.\n";
open(UIF, "|sort | uniq >I.uif") || die "Can't create I.uif.\n";

local($search); # Where to-be-eval'd script is held
local($_) = '' x 50000 if $opt_m; # Pre-extend pattern search space
local(%visited); # Records visited files
local(%lastfound); # Where last occurrence of key was

# Map shell symbol names to units by reverse engineering the @Master array
# which records all the known shell symbols and the units where they
# are defined.
foreach $init (@Master) {
$init =~ /\^(?:(.*)=/'/ && ($shwanted{"\$$2"} = $1);
}

# Now we are a little clever, and build a loop to eval so that we don't
# have to recompile
our patterns on every file. We also use "study" since
# we are searching the same string for many different things. Hauls!

```

```

if (@clist) {
    print " Scanning .[chyl] files for symbols...\n" unless $opt_s;
    $search = ' ' x (40 * (@cmaster + @ocmaster)); # Pre-extend
    $search = "while (<>) {study;\n"; # Init loop over ARGV
    foreach $key (keys(cmaster)) {
        $search .= "\$cmaster{'$key'} := \"\$ARGV#\" if /\b$key\b/;\n";
    }
    foreach $key (grep(!/^$/, keys %Obsolete)) {
        $search .= "&ofound('$key') if /\b$key\b/;\n";
    }
    $search .= "}\n"; # terminate loop
    print $search if $opt_d;
    @ARGV = @clist;
    # Swallow each file as a whole, if memory is available
    undef $/ if $opt_m;
    eval $search;
    eval "";
    $/ = "\n";
    while (($key,$value) = each(cmaster)) {
        next if $value eq "";
        foreach $file (sort(split(/#/ , $value))) {
            next if $file eq "";
            # %cwanted may contain value separated by \n -- take last one
            @sym = split(/\n/, $cwanted{$key});
            $sym
        = pop(@sym);
            $shell = "\$sym";
            print FUI
                pack("A35", $file),
                pack("A20", "$shwanted{$shell}.U"),
                $key, "\n";
            print UIF
                pack("A20", "$shwanted{$shell}.U"),
                pack("A25", $key),
                $file, "\n";
        }
    }
}

undef @clist;
undef %cwanted;
undef %cmaster; # We're not building Configure, we may delete this
%visited = ();
%lastfound = ();

```

```

if (@SHlist) {
    print " Scanning .SH files for symbols...\n" unless $opt_s;

```

```

$search = ' ' x (40 * (@shmaster + @oshmaster)); # Pre-extend
$search = "while (<>) {study;\n";
# All the keys already have a leading '$'
foreach $key (keys(shmaster)) {
    $search .= "\$shmaster{'$key'} .= \"\$ARGV#\" if /\$key\b/;\n";
}
foreach $key (grep (/^\$/, keys %Obsolete)) {
    $search .= "&ofound('$key') if /\$key\b/;\n";
}
$search .= "}\n";
print $search if $opt_d;
@ARGV = @SHlist;
# Swallow each file as a whole, if memory is available
undef $/ if $opt_m;
eval $search;
eval "";
$/ =
"\n";
while (($key,$value) = each(shmaster)) {
    next if $value eq "";
    foreach $file (sort(split(/#/ , $value))) {
        next if $file eq "";
        print FUI
            pack("A35", $file),
            pack("A20", "$shwanted{$key}.U"),
            $key, "\n";
        print UIF
            pack("A20", "$shwanted{$key}.U"),
            pack("A25", $key),
            $file, "\n";
    }
}

close FUI;
close UIF;

# If obsolete symbols where found, write an Obsolete file which lists where
# each of them appear and the new symbol to be used. Also write Obsol_h.U
# and Obsol_sh.U in .MT for later perusal.

&dump_obsolete;    # Dump obsolete symbols if any

# Clean-up memory by freeing useless data structures
undef @SHlist;
undef %shmaster;
}

```

```

# This routine records matches of obsolete keys (C or shell)
sub main'load_ofound {
    package main;
    local($key) = @_ ;
    local($_) = $Obsolete{$key}; # Value of new symbol
    $ofound{"$ARGV $key $_"}++; # Record obsolete match
    $cmaster{$_} .= "$ARGV#" unless /^$/; # A C hit
    $shmaster{$_}
    .= "$ARGV#" if /^$/; # Or a shell one
}

# Create a new symbol name each time it is invoked. That name is suitable for
# usage as a perl variable name.
sub main'load_gensym {
    package main;
    $Gensym = 'AAAAA' unless $Gensym;
    $Gensym++;
}

sub main'load_manifake {
    package main;
    # make MANIFEST and MANIFEST.new say the same thing
    if (! -f $NEWMANI) {
        if (-f $MANI) {
            open(IN,$MANI) || die "Can't open $MANI";
            open(OUT,">$NEWMANI") || die "Can't create $NEWMANI";
            while (<IN>) {
                if (/---/) {
                    # Everything until now was a header...
                    close OUT;
                    open(OUT,">$NEWMANI") ||
                    die "Can't recreate $NEWMANI";
                    next;
                }
                s/^\s*(\S+\s+)[0-9]*\s*(.*)/$1$2/;
            }
            print OUT;
            print OUT "\n" unless /\n$/; # If no description
        }
        close IN;
        close OUT;
    }
    else {
        die "You need to make a $NEWMANI file, with names and descriptions.\n";
    }
}
}
#

```

```

Perform ~name expansion ala ksh...
# (banish csh from your vocabulary ;- )
sub main'load_tilda_expand {
    package main;
    local($path) = @_;
    return $path unless $path =~ /^~/;
    $path =~ s:^(/[^/]+):(getpwnam($1))[$+7]:e; # ~name
    $path =~ s:^~:$ENV{'HOME'} || (getpwuid($<))[$+7]:e; # ~
    $path;
}

# Set up profile components into %Profile, add any profile-supplied options
# into @ARGV and return the command invocation name.
sub main'load_profile {
    package main;
    local($profile) = &tilda_expand($ENV{'DIST'} || '~/dist_profile');
    local($me) = $0; # Command name
    $me =~ s|.*|(.*)$1|; # Keep only base name
    return $me unless -s $profile;
    local(*PROFILE); # Local file descriptor
    local($options) = ""; # Options we get back from profile
    unless (open(PROFILE, $profile)) {
        warn "$me: cannot open $profile: $!\n";
        return;
    }
    local($_);
    local($component);
    while (<PROFILE>) {
        next if /^\s*#/; # Skip comments
        next unless /^$me/o;
        if (s/^$me://o) { # progname: options
            chop;
            $options
            .= $_; # Merge options if more than one line
        }
        elsif (s/^$me-([^\:]+)//o) { # progname-component: value
            $component = $1;
            chop;
            s/^\s+//; # Trim leading and trailing spaces
            s/\s+$///;
            $Profile{$component} = $_;
        }
    }
    close PROFILE;
    return unless $options;
    require 'shellwords.pl';
    local(@opts);
    eval '@opts = &shellwords($options)'; # Protect against mismatched quotes

```

```
unshift(@ARGV, @opts);
return $me; # Return our invocation name
}
```

```
#
# End of dataloading section.
#
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/bin/metaxref
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: Options.U 1 2006-08-24 12:32:52Z rmanfredi $
```

```
?RCS:
```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
```

```
?RCS:
```

```
?RCS: You may redistribute only under the terms of the Artistic License,
```

```
?RCS: as specified in the README file that comes with the distribution.
```

```
?RCS: You may reuse parts of this distribution only within the terms of
```

```
?RCS: that same Artistic License; a copy of which may be found at the root
```

```
?RCS: of the source tree for dist 4.0.
```

```
?RCS:
```

```
?RCS: $Log: Options.U,v $
```

```
?RCS: Revision 3.0.1.7 1997/02/28 15:08:15 ram
```

```
?RCS: patch61: optdef.sh now starts with a "startsh"
```

```
?RCS: patch61: moved some code from Head.U
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.6 1995/09/25 09:14:46 ram
```

```
?RCS: patch59: protected option parsing code against 'echo -*' option failure
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.5 1995/05/12 12:04:52 ram
```

```
?RCS: patch54: added -K option for experts
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.4 1995/01/30 14:27:52 ram
```

```
?RCS:
```

```
patch49: this unit now exports file optdef.sh, not a variable
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.3 1995/01/11 15:19:00 ram
```

```
?RCS: patch45: new -O option allowing -D and -U to override config.sh settings
```

```
?RCS: patch45: file optdef.sh is no longer removed after sourcing
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.2 1994/10/29 15:58:06 ram
```

```
?RCS: patch36: ensure option definition file is removed before appending
```

```
?RCS: patch36: protect variable definitions with spaces in them
```

```
?RCS:
```

```
?RCS: Revision 3.0.1.1 1994/06/20 06:55:44 ram
```

```
?RCS: patch30: now uses new me symbol to tag error messages
```



```

?RCS: patch30: new -D and -U options to define/undef symbols (JHI)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:14 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?X:
?X: Command line parsing. It is really important that the variables used here
?X: be not listed in the MAKE line, or they will be saved in config.sh and
?X: loading this file to fetch default answers would clobber the values set
?X: herein.
?X:
?MAKE:Options:
startsh
?MAKE: -pick wipe $@ %<
?V:reuseval alldone error realsilent silent extractsh fastread \
knowitall: config_sh
?T:arg argn symbol config_arg0 config_args config_argc xxx yyy zzz uuu
?T:args_exp args_sep arg_exp ccflags
?F:!Configure
?F:/optdef.sh ./cmdline.opt ./posthint.sh ./cmdl.opt
: Save command line options in file UU/cmdline.opt for later use in
: generating config.sh.
?X: This temporary file will be read by Oldsym.U. I used a temporary
?X: file to preserve all sorts of potential command line quotes and
?X: also because we don't know in advance how many variables we'll
?X: need, so I can't actually declare them on the MAKE line.
?X: The config_args variable won't be quite correct if Configure is
?X: fed something like ./Configure -Dcc="gcc -B/usr/ccs/bin/"
?X: since the quotes are gone by the time we see them. You'd have to
?X: reconstruct the command line from the config_arg? lines, but since
?X: I don't imagine anyone actually having to do that, I'm not going
?X:
to worry too much.
cat > cmdline.opt <<EOSH
: Configure command line arguments.
config_arg0='$0'
config_args='$*'
config_argc=$#
EOSH
argn=1
args_exp=""
args_sep=""
for arg in "$@"; do
cat >>cmdline.opt <<EOSH
config_arg$argn='$arg'
EOSH
?X: Extreme backslashitis: replace each ' by """"
cat <<EOC | sed -e "s/'/""""/g" > cmdl.opt

```

```

$arg
EOC
arg_exp=`cat cmdl.opt`
args_exp="$args_exp$args_sep'$arg_exp'"
argn=`expr $argn + 1`
args_sep=' '
done
?X: args_exp is good for restarting self: eval "set X $args_exp"; shift; $0 "$@"
?X: used by hints/os2.sh in Perl, for instance
rm -f cmdl.opt

```

: produce awk script to parse command line options

```
cat >options.awk <<'EOF'
```

```
BEGIN {
```

```
optstr = "A:dD:eEf:hKOrsSU:V"; # getopt-style specification
```

```
len = length(optstr);
```

```
for (i = 1; i <= len; i++) {
```

```
  c = substr(optstr, i, 1);
```

?X: some older awk's do not have the C ?: construct

```
  if (i < len) a = substr(optstr, i + 1, 1); else a = "";
```

```
  if (a == ":") {
```

```
    arg[c] = 1;
```

```
    i++;
```

```
  }
```

```
  opt[c]
```

```
  = 1;
```

```
}
```

```
}
```

```
{
```

```
  expect = 0;
```

```
  str = $0;
```

```
  if (substr(str, 1, 1) != "-") {
```

```
    printf("%s\n", str);
```

```
    next;
```

```
  }
```

```
  len = length($0);
```

```
  for (i = 2; i <= len; i++) {
```

```
    c = substr(str, i, 1);
```

```
    if (!opt[c]) {
```

```
      printf("-%s\n", substr(str, i));
```

```
      next;
```

```
    }
```

```
    printf("-%s\n", c);
```

```
    if (arg[c]) {
```

```
      if (i < len)
```

```
        printf("%s\n", substr(str, i + 1));
```

```
    else
```

```

    expect = 1;
    next;
  }
}
END {
  if (expect)
    print "?";
}
EOF

```

: process the command line options

```

?X: Use "$@" to keep arguments with spaces in them from being split apart.
?X: For the same reason, awk will output quoted arguments and the final eval
?X: removes them and sets a proper $* array. An 'X' is prepended to each
?X: argument before being fed to echo to guard against 'echo -x', where -x
?X: would be understood as an echo option! It is removed before feeding awk.
set X `for arg in "$@"; do echo "X$arg"; done |
sed -e s/X// | awk -f options.awk`
eval "set $*"
shift
rm -f options.awk

```

: set up default values

```

fastread=""
reuseval=false
config_sh=""
alldone=""
error=""
silent=""
extractsh=""
knowitall=""
rm
-f optdef.sh posthint.sh
cat >optdef.sh <<EOS
$startsh
EOS

```

?X:

```

?X: Given that we now have the possibility to execute Configure remotely
?X: thanks to the new src.U support, we have to face the possibility
?X: of having to ask where the source lie, which means we need the Myread.U
?X: stuff and possibly other things that might echo something on the
?X: screen...
?X:
?X: That's not pretty, and might be confusing in 99% of the time. So...
?X: We introduce a new realsilent variable which is set when -s is given,
?X: and we force silent=true if -S is supplied. The Extractall.U unit

```

?X: will then undo the >&4 redirection based on the value of the

?X: realsilent variable... -- RAM, 18/93/96

?X:

: option parsing

while test \$# -gt 0; do

case "\$1" in

-d) shift; fastread=yes;;

-e) shift; alldone=cont;;

-f)

shift

cd ..

if test -r "\$1"; then

config\_sh="\$1"

else

echo "\$me: cannot read config file \$1."

>&2

error=true

fi

cd UU

shift;;

--help\

-h) shift; error=true;;

-r) shift; reuseval=true;;

-s) shift; silent=true; realsilent=true;;

-E) shift; alldone=exit;;

-K) shift; knowitall=true;;

-O) shift;;

-S) shift; silent=true; extractsh=true;;

-D)

shift

case "\$1" in

\*)

echo "\$me: use '-U symbol=', not '-D symbol='." >&2

echo "\$me: ignoring -D \$1" >&2

;;

\*=\*) echo "\$1" | \

sed -e "s/'/'\"/g" -e "s/=(.\*)/=1/" >> optdef.sh;;

\*) echo "\$1='define'" >> optdef.sh;;

esac

shift

;;

-U)

shift

case "\$1" in

\*) echo "\$1" >> optdef.sh;;

\*=\*)

echo "\$me: use '-D symbol=val', not '-U symbol=val'." >&2

```

echo "$me: ignoring -U $1" >&2
;;
*) echo "$1='undef'" >> optdef.sh;;
esac
shift
;;
-A)
  shift
  xxx=""
  yyy="$1"
  zzz=""
  uuu=undef
  case "$yyy" in
    *=*) zzz=`echo "$yyy"|sed 's!=.*!!'^
      case "$zzz" in
        *.* ) zzz="" ;;
        *) xxx=append

        zzz=" "`echo "$yyy"|sed 's!^[^=]*=!!'^
          yyy=`echo "$yyy"|sed 's!=.*!!'^ ;;
      esac
      ;;
    esac
    case "$xxx" in
      ") case "$yyy" in
        *.* ) xxx=`echo "$yyy"|sed 's!:.*!!'^
          yyy=`echo "$yyy"|sed 's!^[^:]*!!'^
          zzz=`echo "$yyy"|sed 's!^[^=]*=!!'^
          yyy=`echo "$yyy"|sed 's!=.*!!'^ ;;
        *) xxx=`echo "$yyy"|sed 's!:.*!!'^
          yyy=`echo "$yyy"|sed 's!^[^:]*!!'^ ;;
      esac
      ;;
    esac
    case "$xxx" in
      append)
echo "$yyy=\\\"${$yyy}$zzz\\\" >> posthint.sh ;;
      clear)
echo "$yyy=\"\" >> posthint.sh ;;
      define)
        case "$zzz" in
          ") zzz=define ;;
        esac
echo "$yyy='$zzz'" >> posthint.sh ;;
        eval)
echo "eval \\\"$yyy=$zzz\\\" >> posthint.sh ;;
        prepend)
echo "$yyy=\\\"$zzz\\${$yyy}\\\" >> posthint.sh ;;

```

```

undef)

    case "$zzz" in
    ") zzz="$uuu" ;;
    esac
    echo "$yyy=$zzz" >> posthint.sh ;;
        *) echo "$me: unknown -A command '$xxx', ignoring -A $1" >&2 ;;
    esac
    shift
    ;;
-V) echo "$me generated by metaconfig <VERSION> PL<PATCHLEVEL>." >&2
    exit 0;;
--) break;;
-*) echo "$me: unknown option $1" >&2; shift; error=true;;
*) break;;
    esac
done

```

```

case "$error" in
true)
cat >&2 <<EOM
Usage: $me [-dehrsEKOSV] [-f config.sh] [-D symbol] [-D symbol=value]
        [-U symbol] [-U symbol=] [-A command:symbol...]
-d : use defaults for all answers.
-e : go on without questioning past the production of config.sh.
-f : specify an alternate default configuration file.
-h : print this help message and exit (with an error status).
-r : reuse C symbols value if possible (skips costly nm extraction).
-s : silent mode, only echoes questions and essential information.
-D : define symbol to have some value:
    -D symbol      symbol gets the value
'define'
    -D symbol=value  symbol gets the value 'value'
common used examples (see INSTALL for more info):
    -Duse64bitint    use 64bit integers
    -Duse64bitall    use 64bit integers and pointers
    -Dusetthreads    use thread support
    -Dinc_version_list=none do not include older perl trees in @INC
    -DEBUGGING=none  DEBUGGING options
    -Dcc=gcc          choose your compiler
    -Dprefix=/opt/perl5  choose your destination
-E : stop at the end of questions, after having produced config.sh.
-K : do not use unless you know what you are doing.
-O : ignored for backward compatibility
-S : perform variable substitutions on all .SH files (can mix with -f)
-U : undefine symbol:
    -U symbol      symbol gets the value 'undef'
    -U symbol=     symbol gets completely empty

```

e.g.: -Uversiononly

-A : manipulate symbol after the platform specific hints have been applied:

-A append:symbol=value append value to symbol

-A symbol=value like append:, but with a separating space

-A define:symbol=value define symbol to have value

-A clear:symbol define symbol to be "

-A define:symbol define symbol to be 'define'

-A eval:symbol=value define symbol to be eval of value

-A prepend:symbol=value prepend value to symbol

-A undef:symbol define symbol to be 'undef'

-A undef:symbol= define symbol to be "

e.g.: -A prepend:libswanted='cl pthread '

-A ccflags=-DSOME\_MACRO

-V : print version number and exit (with a zero status).

EOM

exit 1

::

esac

?X:

?X: Unless they specified either -S or both -d and -e/E, make sure we're

?X: running interactively, i.e. attached to a terminal. Moved from Head.U to

?X: be able to handle batch configurations...

?X:

?X: We have to hardwire the Configure name and cannot use \$me,  
since if they

?X: said 'sh <Configure', then \$me is 'sh'...

?X:

: Sanity checks

case "\$fastread\$alldone" in

yescont|yesexit) ;;

\*)

case "\$extractsh" in

true) ;;

\*)

if test ! -t 0; then

echo "Say 'sh Configure', not 'sh <Configure'"

exit 1

fi

::

esac

::

esac

?X: In silent mode, the standard output is closed. Questions are asked by

?X: outputting on file descriptor #4, which is the original stdout descriptor.

?X: This filters out all the "junk", since all the needed information is written

?X: on #4. Note that ksh will not let us redirect output if the file descriptor

?X: has not be defined yet, unlike sh, hence the following line...--RAM.

```
exec 4>&1
case "$silent" in
true) exec 1>/dev/null;;
esac
```

: run the defines and the undefines, if any, but leave the file out there...

```
touch optdef.sh
```

?X: -q is POSIX

?X: It does not work in SysV (solaris) or old BSD greps.

```
grep '\| optdef.sh >/dev/null 2>&1
```

```
if test $? = 0; then
```

```
    echo "Configure does not support \| in -D arguments"
```

```
    exit 1
```

```
fi
```

```
./optdef.sh
```

: create the posthint manipulation script and leave the file out there...

?X: this file will be perused by Oldconfig.U

```
touch posthint.sh
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/Options.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1998 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?MAKE:d\_atolf: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_atolf:

?S: This variable conditionally defines the HAS\_ATOLF symbol, which

?S: indicates to the C program that the atolf() routine is available.

?S:.

?C:HAS\_ATOLF:

?C: This symbol, if defined, indicates that the atolf routine is

?C: available to convert strings into long doubles.

?C:.

?H:#\$d\_atolf HAS\_ATOLF /\*\*/

?H:.

?LINT:set d\_atolf

: see if atolf exists

```
set atolf d_atolf
```

```
eval $inlibc
```



Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/atolf.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_umask.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>

?RCS:

?RCS: \$Log: d\_umask.U,v \$

?RCS: Revision 3.0.1.1 1994/08/29 16:14:50 ram

?RCS: patch32: created by ADO

?RCS:

?MAKE:d\_umask: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_umask:

?S: This variable conditionally defines the HAS\_UMASK symbol, which

?S: indicates to the C program that the umask() routine is available.

?S: to set and get the value of the file creation mask.

?S:.

?C:HAS\_UMASK :

?C: This

symbol, if defined, indicates that the umask routine is

?C: available to set and get the value of the file creation mask.

?C:.

?H:#\$d\_umask HAS\_UMASK /\*\*/

?H:.

?LINT:set d\_umask

: see if umask exists

set umask d\_umask

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_umask.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_tzname.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

```

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_tzname.U,v $
?RCS: Revision 3.0.1.2 1994/08/29 16:14:43 ram
?RCS: patch32: forgot to set proper value in the val variable
?RCS:
?RCS: Revision 3.0.1.1 1994/06/20 06:57:55 ram
?RCS: patch30: created
?RCS:
?MAKE:d_tzname: Csym Setvar
?MAKE: -pick add $@ %<
?S:d_tzname:
?S: This variable conditionally defines HAS_TZNAME if tzname[] is
?S: available to access timezone names.
?S:.
?C:HAS_TZNAME:
?C: This symbol, if defined, indicates that the tzname[]
array is
?C: available to access timezone names.
?C:.
?H:#$d_tzname HAS_TZNAME /**/
?H:.
?LINT:set d_tzname
: see if tzname[] exists
echo " "
if set tzname val -a d_tzname; eval $csym; $val; then
val="$define"
echo 'tzname[] found.' >&4
else
val="$undef"
echo 'tzname[] NOT found.' >&4
fi
set d_tzname
eval $setvar

Found in path(s):
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/dist/U/d_tzname.U
No license file was found, but licenses were detected in source scan.

?RCS: $Id: i_arpainet.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:

```

```
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_arpainet.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:15 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_arpainet: Inhdr
?MAKE: -pick add $@ %<
?S:i_arpainet:
?S: This variable conditionally defines the I_ARPA_INET symbol,
?S: and indicates whether a C program should include <arpa/inet.h>.
?S:.
?C:I_ARPA_INET:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <arpa/inet.h> to get inet_addr and friends
?C: declarations.
?C:.
?H:#$i_arpainet I_ARPA_INET /**/
?H:.
?LINT:set i_arpainet
: see if arpa/inet.h has to be included
set arpa/inet.h i_arpainet
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_arpainet.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: d_gethid.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_gethid.U,v $
?RCS: Revision 3.0 1993/08/18 12:06:10 ram
?RCS: Baseline for dist 3.0 netwide release.
```

?RCS:  
?MAKE:d\_gethid: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_gethid:  
?S: This variable conditionally defines HAS\_GETHOSTID if gethostid() is  
?S: available to get the host id.  
?S:.  
?C:HAS\_GETHOSTID (GETHOSTID):  
?C: This symbol, if defined, indicates that the gethostid system call is  
?C: available to get the host id.  
?C:.  
?H:#\$d\_gethid HAS\_GETHOSTID /\*\*/  
?H:.  
?LINT:set  
d\_gethid  
: see if gethid exists  
set gethostid d\_gethid  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_gethid.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: Instruct.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 15:02:55 ram  
?RCS: patch61: logname / whoami sequence rewritten to use case  
?RCS:  
?RCS: Revision 3.0.1.2 1995/02/15 14:11:34 ram  
?RCS: patch51: author name now appears at the end of the paragraph (WED)  
?RCS:  
?RCS: Revision 3.0.1.1 1995/01/11 15:12:05 ram  
?RCS: patch45: now documents the & escape to turn -d on at the read prompt  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:05:04 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?X:

?X:

This unit spew out the directions that we want everyone to read. I try to  
?X: keep the first "pagefull" much less than a page since they don't know it  
?X: isn't going to go shooting off the top of the screen, and we don't want  
?X: to panic them yet.

?X:

?MAKE:Instruct: Begin Myread Configdir contains

?MAKE: -pick wipe \$@ %<

?T:user needman firsttime

: general instructions

needman=true

firsttime=true

user=`(logname) 2>/dev/null`

case "\$user" in

") user=`whoami 2>&1`;;

esac

if \$contains "^\$user\$" ../.config/instruct >/dev/null 2>&1; then

firsttime=false

echo " "

rp='Would you like to see the instructions?'

dflt=n

. ./myread

case "\$ans" in

[yY]\*) ;;

\*) needman=false;;

esac

fi

if \$needman; then

cat <<EOH

This installation shell script will examine your system and ask you questions to determine how the <PACKAGENAME> package should be installed. If you get stuck on a question, you may use a ! shell escape to start a subshell or execute a command. Many of the questions will have default answers in square brackets; typing carriage return will give you the default.

On some of the questions which ask for file or directory names you are allowed to use the ~name construct to specify the login directory belonging to "name", even if you don't have a shell which knows about that. Questions where this is allowed will be marked "(~name ok)".

EOH

rp="

dflt='Type carriage return to continue'

. ./myread

cat <<'EOH'

The prompter used in this script allows you to use shell variables and backticks in your answers. You may use \$1, \$2, etc... to refer to the words in the default answer, as if the default line was a set of arguments given to a script shell. This means you may also use \$\* to repeat the whole default line, so you do not have to re-type everything to add something to the default.

Everytime there is a substitution, you will have to confirm. If there is an error (e.g. an unmatched backtick), the default answer will remain unchanged and you will be prompted again.

If you are in a hurry, you may run 'Configure -d'. This will bypass nearly all the questions and use the computed defaults (or the previous answers if there was already a config.sh file). Type 'Configure -h' for a list of options. You may also start interactively and then answer '& -d' at any prompt to turn on the non-interactive behaviour for the remainder of the execution.

EOH

```
./myread
cat <<EOH
```

Much effort has been expended to ensure that this shell script will run on any Unix system. If despite that it blows up on yours, your best bet is to edit Configure and run it again. If you can't run Configure for some reason, you'll have to generate a config.sh file by hand. Whatever problems you have, let me (<MAINTLOC>) know how I blew it.

This installation script affects things in two ways:

- 1) it may do direct variable substitutions on some of the files included in this kit.
- 2) it builds a config.h file for inclusion in C programs. You may edit any of these files as the need arises after running this script.

If you make a mistake on a question, there is no easy way to back up to it currently. The easiest thing to do is to edit config.sh and rerun all the SH files. Configure will offer to let you do this before it runs the SH files.

EOH

```
?X: In case they played with the prompter...
dflt="Type carriage return to continue"
./myread
case "$firsttime" in
true) echo $user >>../config/instruct;;
esac
fi
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Instruct.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_memalign.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: d\_memalign.U,v \$

?RCS:

?MAKE:d\_memalign: Inlibc

?MAKE:-pick add \$@ %<

?S:d\_memalign:

?S: This variable conditionally defines the HAS\_MEMALIGN symbol, which

?S: indicates to the C program that the memalign() routine is available.

?S:.

?C:HAS\_MEMALIGN :

?C: This symbol, if defined, indicates that the memalign routine is

?C: available to allocate aligned memory.

?C:.

?H:#\$d\_memalign HAS\_MEMALIGN /\*\*/

?H:.

?LINT:set d\_memalign

: see if memalign exists

set

memalign d\_memalign

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_memalign.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1999, Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_ustat: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_ustat:  
?S: This variable conditionally defines HAS\_USTAT if ustat() is  
?S: available to query file system statistics by dev\_t.  
?S:.  
?C:HAS\_USTAT:  
?C: This symbol, if defined, indicates that the ustat system call is  
?C: available to query file system statistics by dev\_t.  
?C:.  
?H:#\$d\_ustat HAS\_USTAT /\*\*/  
?H:.  
?LINT:set d\_ustat  
: see if ustat exists  
set ustat d\_ustat  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_ustat.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_whoami.U 1 2006-08-24 12:32:52Z rmanfredi \$  
?RCS:  
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic Licence,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_whoami.U,v \$  
?RCS: Revision 3.0.1.1 1993/08/25 14:02:21 ram  
?RCS: patch6: added default for i\_whoami  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:08:50 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:i\_whoami: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_whoami (d\_whoami):  
?S: This variable conditionally defines the I\_WHOAMI symbol, which  
?S: indicates to the C program that it should include <whoami.h>.  
?S:.  
?C:I\_WHOAMI (WHOAMI):



```
?C: This symbol,
if defined, indicates that the program may include
?C: <whoami.h>.
?C:.
?H:#$i_whoami I_WHOAMI /**/
?H:.
?D:i_whoami=""
?LINT:set i_whoami
: see if there is a whoami.h file
set whoami.h i_whoami
eval $inhdr
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i_whoami.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic License,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic License; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: Cppsym.U,v $
?RCS: Revision 3.0.1.5 1995/05/12 11:59:11 ram
?RCS: patch54: split awk command onto two lines for older awks (ADO)
?RCS:
?RCS: Revision 3.0.1.4 1995/01/11 14:55:57 ram
?RCS: patch45: new cc vs. cpp symbol checking suggested by JHI
?RCS: patch45: added more cpp symbols (JHI)
?RCS:
?RCS: Revision 3.0.1.3 1994/10/29 15:51:32 ram
?RCS: patch36: added ?F: line for metalint file checking
?RCS: patch36: new symbols ardent and titan (ADO)
?RCS:
?RCS: Revision 3.0.1.2 1994/06/20
06:53:32 ram
?RCS: patch30: extended cpp symbol lookup list (JHI)
?RCS: patch30: renamed attrlist symbol into al for brevity
?RCS:
?RCS: Revision 3.0.1.1 1993/12/15 08:14:14 ram
?RCS: patch15: added new cpp symbols __bsdi__ and BSD_NET2
?RCS:
?RCS: Revision 3.0 1993/08/18 12:04:50 ram
```

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: This unit produces a shell script called Cppsym, which can be used to

?X: determine whether any in a list of symbols is defined by the C compilation

?X: chain (C preprocessor symbols plus C compiler native ones).

?X: It can determine the status of any symbol, though the symbols in \$al

?X: are more easily determined. If you want to add to \$al you can do

?X: it in Myinit.U.

?X:

?MAKE:Cppsym ccsymbols cppsymbols cppccsymbols: run \  
 eunicefix Guess awk cat tr sed sort rm startsh osname \  
 +cc gccversion test comm uniq echo Options trnl \  
 optimize cflags ldflags libs

?MAKE: -pick add \$@ %<

?S:ccsymbols:

?S: The variable contains the symbols

defined by the C compiler alone.

?S: The symbols defined by cpp or by cc when it calls cpp are not in

?S: this list, see cppsymbols and cppccsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?S:cppsymbols:

?S: The variable contains the symbols defined by the C preprocessor

?S: alone. The symbols defined by cc or by cc when it calls cpp are

?S: not in this list, see ccsymbols and cppccsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?S:cppccsymbols:

?S: The variable contains the symbols defined by the C compiler

?S: when it calls cpp. The symbols defined by the cc alone or cpp

?S: alone are not in this list, see ccsymbols and cppsymbols.

?S: The list is a space-separated list of symbol=value tokens.

?S:.

?T:also symbols i postprocess\_cc\_v flags

?F:./Cppsym

?F:!Cppsym.true !Cppsym.know !ccsym.com !ccsym.cpp !ccsym.own

: determine known pre-processor and compiler symbols

echo " "

\$echo "Guessing which symbols your C compiler and preprocessor

define..." >&4

?X:

?X: The symbol list is in alpha order for ease of maintenance...

?X:

?X: Lots of new symbols (mostly rummaged from gcc), courtesy of

?X: Jarkko Hietaniemi <jhi@snakemail.hut.fi> -- RAM, 06/06/94

?X:

?X: If your symbol is mixed case, just add it as-is.

?X: All symbols will be transformed to both all-lower and all-upper.

?X: Also drop any leading/trailing underscores, the scan will try all those.

?X:

\$cat <<'EOSH' > Cppsym.know

a29k ABI64 aegis AES\_SOURCE AIX AIX32 AIX370

AIX41 AIX42 AIX43 AIX\_SOURCE aixpc ALL\_SOURCE

alliant alpha am29000 AM29000 AMD64 amiga AMIGAOS AMIX

ansi ANSI\_C\_SOURCE apollo ardent ARM32 atarist att386 att3b

BeOS BIG\_ENDIAN BIT\_MSF bsd BSD bsd43 bsd4\_2 bsd4\_3 BSD4\_3 bsd4\_4

BSD\_4\_3 BSD\_4\_4 BSD\_NET2 BSD\_TIME BSD\_TYPES BSDCOMPAT bsdI

bull c cadmus clipper CMU COFF COMPILER\_VERSION

concurrent convex cpu cray CRAY CRAYMPP ctix CX\_UX

CYGWIN DGUX DGUX\_SOURCE DJGPP dmert DOLPHIN DPX2 DSO

Dynix DynixPTX ELF encore EPI EXTENSIONS FAVOR\_BSD

FILE\_OFFSET\_BITS

FreeBSD GCC\_NEW\_VARARGS gcos gcx gimpel

GLIBC GLIBC\_MINOR

GNU\_SOURCE GNUC GNUC\_MINOR GNU\_LIBRARY GO32 gould GOULD\_PN

H3050R H3050RX hbullx20 hcx host\_mips

hp200 hp300 hp700 HP700 hp800 hp9000

hp9000s200 hp9000s300 hp9000s400 hp9000s500

hp9000s700 hp9000s800 hp9k8 hp\_osf hppa hpux HPUX\_SOURCE

i186 i286 i386 i486 i586 i686 i8086 i80960 i860 I960

IA64 iAPX286 ibm ibm032 ibmesa IBMR2 ibmrt ILP32 ILP64

INLINE\_INTRINSICS INTRINSICS INT64 interdata is68k ksr1

LANGUAGE\_C LARGE\_FILE\_API LARGEFILE64\_SOURCE

LARGEFILE\_SOURCE LFS64\_LARGEFILE LFS\_LARGEFILE

Linux LITTLE\_ENDIAN LONG64 LONG\_DOUBLE LONG\_LONG

LONGDOUBLE LONGLONG LP64 luna luna88k Lynx

M68000 m68k m88100 m88k M88KBCS\_TARGET M\_COFF

M\_I186 M\_I286 M\_I386 M\_I8086 M\_I86 M\_I86SM M\_SYS3

M\_SYS5 M\_SYSIII M\_SYSV M\_UNIX M\_XENIX MACH machine MachTen

MATH\_HAS\_NO\_SIDE\_EFFECTS

mc300 mc500 mc68000 mc68010 mc68020 mc68030 mc68040

mc68060 mc68k mc68k32 mc700 mc88000 mc88100 merlin

mert MiNT mips MIPS\_FPSET MIPS\_ISA MIPS\_SIM MIPS\_SZINT

MIPS\_SZLONG

MIPS\_SZPTR MIPSEB MIPSEL MODERN\_C motorola

mpeix MSDOS MTXINU MULTIMAX mvs MVS n16 ncl\_el ncl\_mr

NetBSD news1500 news1700 news1800 news1900 news3700

news700 news800 news900 NeXT NLS nonstopux ns16000 ns32000

ns32016 ns32332 ns32k nsc32000

OCS88 OEMVS OpenBSD os OS2 OS390 osf OSF1 OSF\_SOURCE

pa\_risc PA\_RISC1\_1 PA\_RISC2\_0 PARAGON parisc

pc532 pdp11 PGC PIC plexus PORTAR posix

POSIX1B\_SOURCE POSIX2\_SOURCE POSIX4\_SOURCE

POSIX\_C\_SOURCE POSIX\_SOURCE POWER

PROTOTYPES PWB pyr QNX R3000 REENTRANT RES Rhapsody RISC6000

```

riscix riscos RT S390 SA110 scs SCO sequent sgi SGI_SOURCE SH3 sinix
SIZE_INT SIZE_LONG SIZE_PTR SOCKET_SOURCE SOCKETS_SOURCE
sony sony_news sonyrisc sparc sparclite spectrum
stardent stdc STDC_EXT stratos sun sun3 sun386
Sun386i svr3 svr4 SVR4_2 SVR4_SOURCE svr5
SX system SYSTYPE_BSD SYSTYPE_BSD43 SYSTYPE_BSD44
SYSTYPE_SVR4 SYSTYPE_SVR5 SYSTYPE_SYSV SYSV SYSV3 SYSV4 SYSV5
sysV68 sysV88 Tek4132 Tek4300 titan
TM3200 TM5400 TM5600
tower tower32 tower32_200 tower32_600 tower32_700
tower32_800
tower32_850 tss
u370 u3b u3b2 u3b20 u3b200 u3b20d u3b5
ultrix UMAXV UnicomPBB UnicomPBD UNICOS UNICOSMK
unix UNIX95 UNIX99 unixpc unos
USE_BSD USE_FILE_OFFSET64 USE_GNU USE_ISOC9X USE_LARGEFILE USE_LARGEFILE64
USE_MISC USE_POSIX USE_POSIX199309 USE_POSIX199506 USE_POSIX2
USE_REENTRANT USE_SVID USE_UNIX98 USE_XOPEN USE_XOPEN_EXTENDED
USGr4 USGr4_2
Utek Utek UTS UWIN uxpm uxps vax venix VMESA vms xenix Xenix286
XOPEN_SOURCE XOPEN_SOURCE_EXTENDED XPG2 XPG2_EXTENDED
XPG3 XPG3_EXTENDED XPG4 XPG4_EXTENDED
z8000
EOSH
?X: Maybe put other stuff here too.
cat <<EOSH >>Cppsym.know
$osname
EOSH
./tr '[a-z]' '[A-Z]' < Cppsym.know > Cppsym.a
./tr '[A-Z]' '[a-z]' < Cppsym.know > Cppsym.b
$cat Cppsym.know > Cppsym.c
$cat Cppsym.a Cppsym.b Cppsym.c | $tr ' ' $trnl | $sort | $uniq > Cppsym.know
$rm -f Cppsym.a Cppsym.b Cppsym.c
cat <<EOSH > Cppsym
$startsh
if $test $# -gt 0; then
    echo \$* | $tr " " "$trnl" | ./Cppsym.try > Cppsym.got
    if $test -s Cppsym.got; then
        $rm -f Cppsym.got
        exit 0
    fi
    $rm -f Cppsym.got
    exit 1
else
    $tr " " "$trnl" | ./Cppsym.try
    exit 0
fi
EOSH

```

```

chmod +x Cppsym
$unicefix Cppsym
?X: The below awk script will die a horrible death if
?X: some of the tested symbols are not long ints.
?X: Also, we do not make difference between just defined and defined zero.
cat <<EOSH > Cppsym.try
$startsh
cat <<'EOCP' > try.c
#include <stdio.h>
int main() {
EOCP
?X: The length($1) command guards against possible empty entries.
?X: The awk snippet is know to give heartburn to UNICOS/mk awk.
$awk \
EOSH
cat <<'EOSH' >> Cppsym.try
'length($1) > 0 {
    printf "#ifdef %s\n#if %s+0\nprintf(\"%s=%ld\n\", (long)%s);\n#else\nprintf(\"%s\n\");\n#endif\n#endif\n", $1,
$1, $1, $1, $1
    printf "#ifdef __s\n#if __s+0\nprintf(\"__s=%ld\n\",
(long)__s);\n#else\nprintf(\"__s\n\");\n#endif\n#endif\n", $1, $1, $1, $1, $1
    printf "#ifdef __s\n#if __s+0\nprintf(\"__s=%ld\n\",
(long)__s);\n#else\nprintf(\"__s\n\");\n#endif\n#endif\n",
$1, $1, $1, $1, $1
    printf "#ifdef __s__\n#if __s__+0\nprintf(\"__s__=%ld\n\",
(long)__s__); \n#else\nprintf(\"__s__\n\");\n#endif\n#endif\n", $1, $1, $1, $1, $1
}' >> try.c
echo 'return 0;}' >> try.c
EOSH
cat <<EOSH >> Cppsym.try
flags="$ccflags"
case "$osname-$gccversion" in
irix-) flags="$flags -woff 1178" ;;
os2-*) flags="$flags -Zlinker /PM:VIO" ;;
esac
$cc -o try $optimize $flags $ldflags try.c $libs && $run ./try
EOSH
chmod +x Cppsym.try
$unicefix Cppsym.try
./Cppsym < Cppsym.know > Cppsym.true
: now check the C compiler for additional symbols
?X: suggested by Jarkko Hietaniemi <jhi@snakemail.hut.fi>, thanks!
postprocess_cc_v="
case "$osname" in
aix) postprocess_cc_v="|str , ' "' ;;
esac
$cat >ccsym <<EOS
$startsh

```

```

$cat >tmp.c <<EOF
extern int foo;
EOF
for i in ` $cc -v -c tmp.c 2>&1 $postprocess_cc_v `
do
case "$i" in
-D*) echo "$i" | $sed 's/^-D//';;
-A*) $test "$gccversion" && echo "$i" | $sed 's/^-A//' | $sed 's/(.*)/(.*)\^1=2/';;
esac
done
$rm
-f try.c
EOS
postprocess_cc_v="
chmod +x ccsym
$unicefix ccsym
./ccsym > ccsym1.raw
?X: AIX complains if $uniq is passed an empty file. ($sort apparently
?X: doesn't care.) --AD 14 July 1998
if $test -s ccsym1.raw; then
    $sort ccsym1.raw | $uniq >ccsym.raw
else
    mv ccsym1.raw ccsym.raw
fi

?X: canonicalize symbols for easier sort/uniq/comm usage: append =1 if no = sign
?X: the awk script must be on two lines for older awk programs, sigh! -- ADO
$awk '/^=/ { print $0; next }
{ print $0"=1" }' ccsym.raw >ccsym.list
$awk '/^=/ { print $0; next }
{ print $0"=1" }' Cppsym.true >ccsym.true
$comm -13 ccsym.true ccsym.list >ccsym.own
$comm -12 ccsym.true ccsym.list >ccsym.com
$comm -23 ccsym.true ccsym.list >ccsym.cpp
also="
if $test -z ccsym.raw; then
echo "Your C compiler doesn't seem to define any symbols!" >&4
echo " "
echo "However, your C preprocessor defines the following symbols:"
$cat Cppsym.true
    ccsymbols="
cppsymbols=`$cat Cppsym.true`
    cppsymbols=`echo
$cppsymbols`
cppcsymbols="$cppsymbols"
else
if $test -s ccsym.com; then
    echo "Your C compiler and pre-processor define these symbols:"

```

```

$sed -e 's^(.*\)=.*\1/' ccsym.com
also='also '
symbols='ones'
cppccsymbols=`$cat ccsym.com`
cppccsymbols=`echo $cppccsymbols`
$test "$$silent" || sleep 1
fi
if $test -s ccsym.cpp; then
$test "$also" && echo " "
echo "Your C pre-processor ${also} defines the following symbols:"
$sed -e 's^(.*\)=.*\1/' ccsym.cpp
also='further '
cppsymbols=`$cat ccsym.cpp`
cppsymbols=`echo $cppsymbols`
$test "$$silent" || sleep 1
fi
if $test -s ccsym.own; then
$test "$also" && echo " "
echo "Your C compiler ${also} defines the following cpp symbols:"
$sed -e 's^(.*\)=1\1/' ccsym.own
$sed -e 's^(.*\)=.*\1/' ccsym.own | $uniq >>Cppsym.true
    ccsymbols=`$cat ccsym.own`
    ccsymbols=`echo $ccsymbols`
$test "$$silent" || sleep 1
fi
fi
$rm -f Cppsym.know Cppsym.true

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Cppsym.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1996, Cygnus Support

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: Original Author: Tom Tromeey <tromeey@cygnus.com>

?RCS:

?RCS: \$Log: src.U,v \$

?RCS: Revision 3.0.1.1 1997/02/28 16:23:54 ram

?RCS: patch61: created

?RCS:

?MAKE:src +rsrc: Options package contains

?MAKE: -pick add \$@ %<

?Y:TOP

?S:src (srcdir):

?S: This variable holds the (possibly relative) path of the package source.

?S: It is up to the Makefile to use this variable and set VPATH accordingly

?S: to find the sources remotely. Use \$pkgsrc to have an absolute path.

?S:.

?S:rsrc

(relsrcdir):

?S: This variable holds a potentially relative path to the package

?S: source. The contents are correct for the configuration environment,

?S: i.e. there might be an extra .. prepended to get out of the UU dir.

?S: Configure units should use this, not the src variable.

?S:.

: Find the path to the source tree

case "\$src" in

") case "\$0" in

\*/) src=`echo \$0 | sed -e 's%/[^/][^/]\*\$%%`

case "\$src" in

\*/) ;;

.) ;;

\*) src=`cd ../\$src && pwd` ;;

esac

;;

\*) src='.';;

esac;;

esac

case "\$src" in

") src=/

rsrc=/

;;

\*/) rsrc="\$src";;

\*) rsrc="../\$src";;

esac

?X:

?X: Now check whether we have found the right source tree (i.e. the one for the

?X: package we're about to configure). The original unit from Tom Tromeu forced

?X: the user to pick a unique file from his distribution, and we were merely

?X: checking the existence of that file. I prefer to rely on Configure (which

?X: we know \*is\* present since this unit is

part of it!) and look for the

?X: definition of the package variable, making sure it's the same as ours.

?X: If it matches, we know we found the right source tree. -- RAM, 15/03/96

?X:

if test -f \$rsrc/Configure && \



```

$contains "^package=$package\$" $src/Configure >/dev/null 2>&1
then
  : found it, so we are ok.
else
?X: Otherwise try "." and up to 4 parent directories...
?X: Note that we prepend a ".." to get out of the configuration environment.
  rsrc=""
  for src in . .. ../.. ../../.. ../../../..; do
  if test -f ../$src/Configure && \
    $contains "^package=$package\$" ../$src/Configure >/dev/null 2>&1
  then
    rsrc=../$src
    break
  fi
  done
fi
case "$rsrc" in
")
  cat <<EOM >&4

```

Sorry, I can't seem to locate the source dir for \$package. Please start Configure with an explicit path -- i.e. /some/path/Configure.

```

EOM
exit 1
;;
?X: Don't echo anything if the sources are in . -- they should know already ;-)
?X: In that case, rsrc is ../. since we lookup from within UU
../.) rsrc='..';;
*)
  echo
  " "
  echo "Sources for $package found in \"$src\"." >&4
  ;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/src.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_sysparam.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of

```

?RCS: that same Artistic Licence; a copy of which may be found at the root  
?RCS: of the source tree for dist 4.0.  
?RCS:  
?RCS: \$Log: i\_sysparam.U,v \$  
?RCS: Revision 3.0.1.1 1994/08/29 16:22:43 ram  
?RCS: patch32: created  
?RCS:  
?MAKE:i\_sysparam: Inhdr  
?MAKE: -pick add \$@ %<  
?S:i\_sysparam:  
?S: This variable conditionally defines the I\_SYS\_PARAM symbol, and indicates  
?S: whether a C program should include <sys/param.h>.  
?S:.  
?C:I\_SYS\_PARAM:  
?C: This symbol, if defined, indicates to the C program that it should  
?C: include <sys/param.h>.  
?C:.  
?H:#\$i\_sysparam I\_SYS\_PARAM /\*\*/  
?H:.  
?LINT:set  
i\_sysparam  
: see if this is a sys/param system  
set sys/param.h i\_sysparam  
eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sysparam.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_ieeefp.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Jarkko Hietaniemi  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?MAKE:i\_ieeefp: Inhdr Hasfield  
?MAKE: -pick add \$@ %<  
?S:i\_ieeefp:  
?S: This variable conditionally defines the I\_IEEEFP symbol, and indicates  
?S: whether a C program should include <ieefp.h>.  
?S:.  
?C:I\_IEEEFP:  
?C: This symbol, if defined, indicates that <ieefp.h> exists and  
?C: should be included.  
?C:.  
?H:#\$i\_ieeefp I\_IEEEFP /\*\*/

```
?H:
?LINT:set i_ieefp
: see if this is a ieefp.h system
case "$i_ieefp" in
") set ieefp.h i_ieefp
  eval $inhdr
  ;;
esac
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/i_ieefp.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: cc.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: cc.U,v $
?RCS: Revision 3.0.1.4 1995/05/12 12:06:47 ram
?RCS: patch54: may now abort Configure when cc does not work
?RCS:
?RCS: Revision 3.0.1.3 1995/01/11 15:20:11 ram
?RCS: patch45: changed gcc checking message to a more explicit one (WED)
?RCS:
?RCS: Revision 3.0.1.2 1994/10/29 16:04:29 ram
?RCS: patch36: detect gcc even when not called as 'gcc' (ADO)
?RCS: patch36: simplified gcc version checking (ADO)
?RCS: patch36: added ?F: line for metalint
file checking
?RCS:
?RCS: Revision 3.0.1.1 1994/05/06 14:26:06 ram
?RCS: patch23: added support for gcc version (ADO)
?RCS:
?RCS: Revision 3.0 1993/08/18 12:05:30 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:cc: Myread Oldconfig Checkcc test
?MAKE: -pick add $@ %<
?S:cc:
?S: This variable holds the name of a command to execute a C compiler which
?S: can resolve multiple global references that happen to have the same
```

?S: name. Usual values are 'cc' and 'gcc'.  
?S: Ferrent ANSI compilers may be called 'c89'. AIX has xlc.

?S:.

?F:!cc.cbu

?D:cc='cc'

: Determine the C compiler to be used

echo " "

case "\$cc" in

") dflt=cc;;

\*) dflt="\$cc";;

esac

rp="Use which C compiler?"

./myread

cc="\$ans"

: See whether they have no cc but they do have gcc

./trygcc

?X: Look for a hint-file generated 'call-back-unit'. Now that the

?X: user has specified the compiler, we may need to set or change some

?X: other defaults.

if \$test -f cc.cbu; then

./cc.cbu

fi

./checkcc

Found

in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/cc.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getnetbyaddr\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_getnetbyaddr\_r getnetbyaddr\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_getnetbyaddr\_r:

?S: This variable conditionally defines the HAS\_GETNETBYADDR\_R symbol,

?S: which indicates to the C program that the getnetbyaddr\_r()

?S: routine is available.

?S:.

?S:getnetbyaddr\_r\_proto:

?S: This variable encodes the prototype of getnetbyaddr\_r.

?S: It is zero if d\_getnetbyaddr\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetbyaddr\_r

?S: is defined.

?S:.

?C:HAS\_GETNETBYADDR\_R:

?C: This symbol, if defined, indicates that

the getnetbyaddr\_r routine

?C: is available to getnetbyaddr re-entrantly.

?C:.

?C:GETNETBYADDR\_R\_PROTO:

?C: This symbol encodes the prototype of getnetbyaddr\_r.

?C: It is zero if d\_getnetbyaddr\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_getnetbyaddr\_r

?C: is defined.

?C:.

?H:#\$d\_getnetbyaddr\_r HAS\_GETNETBYADDR\_R /\*\*/

?H:#define GETNETBYADDR\_R\_PROTO \$getnetbyaddr\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_getnetbyaddr\_r\_proto

: see if getnetbyaddr\_r exists

set getnetbyaddr\_r d\_getnetbyaddr\_r

eval \$inlibc

case "\$d\_getnetbyaddr\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_getnetbyaddr\_r\_proto:\$usethreads" in

":define") d\_getnetbyaddr\_r\_proto=define

set d\_getnetbyaddr\_r\_proto getnetbyaddr\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_getnetbyaddr\_r\_proto" in

define)

case "\$getnetbyaddr\_r\_proto" in

"|0) try='int getnetbyaddr\_r(unsigned long, int, struct netent\*, char\*, size\_t, struct netent\*\*, int\*);'

./protochk

"\$extern\_C \$try" \$hdrs && getnetbyaddr\_r\_proto=I\_UISBWRE ;;

esac

case "\$getnetbyaddr\_r\_proto" in

"|0) try='int getnetbyaddr\_r(long, int, struct netent\*, char\*, int);'

./protochk "\$extern\_C \$try" \$hdrs && getnetbyaddr\_r\_proto=I\_LISBI ;;

esac

case "\$getnetbyaddr\_r\_proto" in

"|0) try='struct netent\* getnetbyaddr\_r(in\_addr\_t, int, struct netent\*, char\*, int);'

./protochk "\$extern\_C \$try" \$hdrs && getnetbyaddr\_r\_proto=S\_TISBI ;;

esac

case "\$getnetbyaddr\_r\_proto" in

```

"|0) try='struct netent* getnetbyaddr_r(long, int, struct netent*, char*, int);'
./protochk "$extern_C $try" $hdrs && getnetbyaddr_r_proto=S_LISBI ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(in_addr_t, int, struct netent*, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && getnetbyaddr_r_proto=I_TISD ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(long, int, struct netent*, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && getnetbyaddr_r_proto=I_LISD
;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(int, int, struct netent*, struct netent_data*);'
./protochk "$extern_C $try" $hdrs && getnetbyaddr_r_proto=I_IISD ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) try='int getnetbyaddr_r(uint32_t, int, struct netent*, char*, size_t, struct netent**, int*);'
./protochk "$extern_C $try" $hdrs && getnetbyaddr_r_proto=I_uISBWRE ;;
esac
case "$getnetbyaddr_r_proto" in
"|0) d_getnetbyaddr_r=undef
getnetbyaddr_r_proto=0
echo "Disabling getnetbyaddr_r, cannot determine prototype." >&4 ;;
*) case "$getnetbyaddr_r_proto" in
REENTRANT_PROTO*) ;;
*) getnetbyaddr_r_proto="REENTRANT_PROTO_$getnetbyaddr_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$susethreads" in
define) echo "getnetbyaddr_r has no prototype, not using it." >&4 ;;
esac
d_getnetbyaddr_r=undef
getnetbyaddr_r_proto=0
;;
esac
;;
*) getnetbyaddr_r_proto=0
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d\_getnetbyaddr\_r.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: sitelib.U,v 1.1 1999/07/08 18:32:57 doughera Exp doughera \$

?RCS:

?RCS: Copyright (c) 1996-1998, Andy Dougherty

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: sitelib.U,v \$

?RCS: Revision 1.1 1999/07/08 18:32:57 doughera

?RCS: Initial revision

?RCS:

?RCS: Revision 3.0.1.1 1997/02/28 16:21:35 ram

?RCS: patch61: created

?RCS:

?MAKE:sitelib sitelibexp installsitelib sitelib\_stem: cat Getfile Oldconfig \  
Setprefixvar Prefixit package version sed installstyle siteprefix

?MAKE: -pick add \$@ %<

?Y:TOP

?D:sitelib="

?S:sitelib:

?S: This variable contains the  
eventual value of the SITELIB symbol,  
?S: which is the name of the private library for this package. It may  
?S: have a ~ on the front. It is up to the makefile to eventually create  
?S: this directory while performing installation (with ~ substitution).  
?S: The standard distribution will put nothing in this directory.  
?S: After perl has been installed, users may install their own local  
?S: architecture-independent modules in this directory with  
?S: MakeMaker Makefile.PL  
?S: or equivalent. See INSTALL for details.

?S:.

?D:sitelibexp="

?S:sitelibexp:

?S: This variable is the ~name expanded version of sitelib, so that you  
?S: may use it directly in Makefiles or shell scripts.

?S:.

?D:installsitelib="

?S:installsitelib:

?S: This variable is really the same as sitelibexp but may differ on  
?S: those systems using AFS. For extra portability, only this variable  
?S: should be used in makefiles.

?S:.

?S:sitelib\_stem:

?S: This variable is \$sitelibexp with any trailing version-specific component

?S: removed.

The elements in inc\_version\_list (inc\_version\_list.U) can

?S: be tacked onto this variable to generate a list of directories to search.

?S:.

?C:SITELIB:

?C: This symbol contains the name of the private library for this package.

?C: The library is private in the sense that it needn't be in anyone's

?C: execution path, but it should be accessible by the world. The program

?C: should be prepared to do ~ expansion.

?C: The standard distribution will put nothing in this directory.

?C: After perl has been installed, users may install their own local

?C: architecture-independent modules in this directory with

?C: MakeMaker Makefile.PL

?C: or equivalent. See INSTALL for details.

?C:.

?C:SITELIB\_EXP:

?C: This symbol contains the ~name expanded version of SITELIB, to be used

?C: in programs that are not prepared to deal with ~ expansion at run-time.

?C:.

?C:SITELIB\_STEM:

?C: This define is SITELIB\_EXP with any trailing version-specific component

?C: removed. The elements in

inc\_version\_list (inc\_version\_list.U) can

?C: be tacked onto this variable to generate a list of directories to search.

?C:.

?H:#define SITELIB "\$sitelib" /\*\*/

?H:#define SITELIB\_EXP "\$sitelibexp" /\*\*/

?H:#define SITELIB\_STEM "\$sitelib\_stem" /\*\*/

?H:.

?T:prog

?LINT:change prefixvar

?LINT:set installsitelib

?LINT:set sitelib

?LINT:set sitelibexp

: determine where site specific libraries go.

: Usual default is /usr/local/lib/perl5/site\_perl/\$version

: The default "style" setting is made in installstyle.U

: XXX No longer works with Prefixit stuff.

?X: remove any trailing -3.0 or other version identification

prog=`echo \$package | \$sed 's/-\*[0-9.]\*\$//`

case "\$sitelib" in

\*) case "\$installstyle" in

\*lib/perl5\*) dflt=\$siteprefix/lib/\$package/site\_\$prog/\$version ;;

\*) dflt=\$siteprefix/lib/site\_\$prog/\$version ;;

esac

::

\*) dflt="\$sitelib"

::



```
esac
$cat <<EOM
```

The installation process will create a directory for site-specific extensions and modules. Most users find it convenient to place all site-specific files in this directory rather than in the main distribution directory.

```
EOM
fn=d~+
rp='Pathname for the site-specific library files?'
./getfile
prefixvar=sitelib
./setprefixvar
sitelib_stem=`echo "$sitelibexp" | sed "s,/$version$,,"`
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/installdirs/sitelib.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2000, Andy Dougherty

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:versiononly: cat Myread Setvar Devel

?MAKE: -pick add \$@ %<

?LINT:set versiononly

?Y:TOP

?S:versiononly:

?S: If set, this symbol indicates that only the version-specific

?S: components of a perl installation should be installed.

?S: This may be useful for making a test installation of a new

?S: version without disturbing the existing installation.

?S: Setting versiononly is equivalent to setting installperl's -v option.

?S: In particular, the non-versioned scripts and programs such as

?S: a2p, c2ph, h2xs, pod2\*, and perldoc

are not installed

?S: (see INSTALL for a more complete list). Nor are the man

?S: pages installed.

?S: Usually, this is undef.

```

?S:.
?LINT:extern inc_version_list
?LINT:change inc_version_list
?LINT:extern inc_version_list_init
?LINT:change inc_version_list_init
?LINT:extern version
: determine whether to use a version number suffix for installed binaries
echo " "
$cat <<EOM
Do you want to use a version number suffix for installed binaries? This
will install 'perl$version' instead of 'perl', and likewise for other
binaries like 'perldoc' and 'cpan'. This allows many versions of perl
to be installed side-by-side. Unless you are a developer, you probably
do *not* want to do this.
EOM
case "$versiononly" in
"$define"|[Yy]*|true) dflt='y' ;;
*) dflt='n';
esac
rp="Do you want to use a version number suffix for installed binaries?"
./myread
case "$ans" in
[yY]*) val="$define";;
*) val="$undef" ;;
esac
set versiononly
eval $setvar

case "$versiononly" in
"$define") inc_version_list="
        inc_version_list_init=0
        ;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/versiononly.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

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?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:  
?RCS: Original Author: Andy Dougherty <doughera@lafcol.lafayette.edu>  
?RCS:  
?RCS: \$Log: d\_dlopen.U,v \$  
?RCS: Revision 3.0.1.2 1995/07/25 13:52:56 ram  
?RCS: patch56: force compile-link test since symbol might lie in crt0.o (ADO)  
?RCS:  
?RCS: Revision 3.0.1.1 1994/08/29 16:07:34 ram  
?RCS: patch32: created by ADO  
?RCS:  
?MAKE:d\_dlopen: Inlibc runnm  
?MAKE: -pick add \$@ %<  
?S:d\_dlopen:  
?S: This variable conditionally defines the HAS\_DLOPEN symbol, which  
?S: indicates to the C program that the dlopen() routine  
is available.  
?S:.  
?C:HAS\_DLOPEN :  
?C: This symbol, if defined, indicates that the dlopen routine is  
?C: available.  
?C:.  
?H:#\$d\_dlopen HAS\_DLOPEN /\*\*/  
?H:.  
?T: xxx\_runnm  
?LINT:set d\_dlopen  
?X: We don't permanently change runnm, but we do temporarily.  
?LINT: change runnm  
: see if dlopen exists  
?X: On NetBSD and FreeBSD, dlopen is available, but it is in  
?X: /usr/lib/crt0.o, not in any of the libraries. Therefore, do not  
?X: use the nm extraction, but use a real compile and link test instead.  
xxx\_runnm="\$runnm"  
runnm=false  
set dlopen d\_dlopen  
eval \$inlibc  
runnm="\$xxx\_runnm"

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d\_dlopen.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_getgrent.U,v \$  
?RCS:  
?RCS: Copyright (c) 1998 Andy Dougherty  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.

?RCS:  
?RCS: \$Log: d\_getgrent.U,v \$  
?RCS:  
?MAKE:d\_getgrent: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_getgrent:  
?S: This variable conditionally defines the HAS\_GETGRENT symbol, which  
?S: indicates to the C program that the getgrent() routine is available  
?S: for sequential access of the group database.  
?S:.  
?C:HAS\_GETGRENT:  
?C: This symbol, if defined, indicates that the getgrent routine is  
?C: available for sequential access of the group database.  
?C:.  
?H:#\$d\_getgrent HAS\_GETGRENT /\*\*/  
?H:.  
?LINT:set d\_getgrent  
: see if getgrent exists  
set getgrent d\_getgrent  
eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/d\_getgrent.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017, Karl Williamson  
?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?MAKE:d\_mbrlen: Inlibc  
?MAKE: -pick add \$@ %<  
?S:d\_mbrlen:  
?S: This variable conditionally defines the HAS\_MBRLLEN symbol if the  
?S: mbrlen() routine is available to be used to get the length of  
?S: multi-byte character strings.  
?S:.  
?C:HAS\_MBRLLEN:  
?C: This symbol, if defined, indicates that the mbrlen routine is  
?C: available to get the length of multi-byte character strings.  
?C:.  
?H:#\$d\_mbrlen HAS\_MBRLLEN /\*\*/  
?H:.  
?LINT: set d\_mbrlen

```
: see if mbrlen exists
set mbrlen d_mbrlen
eval $inlibc
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_mbrlen.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id$
```

```
?RCS:
```

```
?RCS: Copyright (c) 1999 Jarkko Hietaniemi
```

```
?RCS:
```

```
?RCS: You may distribute under the terms of either the GNU General Public
```

```
?RCS: License or the Artistic License, as specified in the README file.
```

```
?RCS:
```

```
?MAKE:gidformat: gidsize gidsign ivsize uvsize longsize intsize shortsize \
ivdformat uvuformat test echo
```

```
?MAKE: -pick add $@ %<
```

```
?S:gidformat:
```

```
?S: This variable contains the format string used for printing a Gid_t.
```

```
?S:.
```

```
?C:Gid_t_f:
```

```
?C: This symbol defines the format string used for printing a Gid_t.
```

```
?C:.
```

```
?H:#define Gid_t_f $gidformat /**/
```

```
?H:.
```

```
: Check format string for GID
```

```
echo " "
```

```
$echo "Checking the format string to be used for gids..." >&4
```

```
case "$gidsign" in
```

```
-1) if $test X"$gidsize" = X"$ivsize"; then
    gidformat="$ivdformat"
```

```
else
```

```
if $test X"$gidsize" = X"$longsize"; then
    gidformat="ld"
```

```
else
```

```
if $test X"$gidsize" = X"$intsize"; then
    gidformat="d"
```

```
else
```

```
if $test X"$gidsize"
```

```
= X"$shortsize"; then
```

```
    gidformat="hd"
```

```
fi
```

```
fi
```

```
fi
```

```

fi
;;
*) if $test X"$gidsize" = X"$svsize"; then
  gidformat="$svuformat"
else
  if $test X"$gidsize" = X"$longsize"; then
    gidformat="lu"
  else
    if $test X"$gidsize" = X"$intsize"; then
      gidformat="u"
    else
      if $test X"$gidsize" = X"$shortsize"; then
        gidformat="hu"
      fi
    fi
  fi
fi
fi
fi
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/typedefs/gidf.U
```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

?RCS:

?RCS: Copyright (c) 2001 Jarkko Hietaniemi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic License,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic License; a copy of which may be found at the root

?RCS: of the source tree for dist 3.0.

?RCS:

?MAKE:d\_sresgproto: Hasproto i\_unistd

?MAKE: -pick add \$@ %<

?S:d\_sresgproto:

?S: This variable conditionally defines the HAS\_SETRESGID\_PROTO symbol,

?S: which indicates to the C program that the system provides

?S: a prototype for the setresgid() function. Otherwise, it is

?S: up to the program to supply one.

?S:.

?C:HAS\_SETRESGID\_PROTO:

?C: This symbol, if defined, indicates that the system provides

?C: a prototype for the setresgid() function. Otherwise, it is up

?C: to the program to supply one. Good guesses are

?C: extern

```
int setresgid(uid_t ruid, uid_t euid, uid_t suid);
?C:.
?H:#$d_sresgproto HAS_SETRESGID_PROTO /**/
?H:.
?LINT:set d_sresgproto
: see if prototype for setresgid is available
echo " "
set d_sresgproto setresgid $i_unistd unistd.h
eval $hasproto
```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d_sresgproto.U
```

No license file was found, but licenses were detected in source scan.

```
?RCS: $Id: i_sfio.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1996, Andy Dougherty
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_sfio.U,v $
?RCS: Revision 3.0.1.1 1997/02/28 15:48:27 ram
?RCS: patch61: created
?RCS:
?MAKE:i_sfio: Inhdr Setvar
?MAKE: -pick add $@ %<
?S:i_sfio:
?S: This variable conditionally defines the I_SFIO symbol,
?S: and indicates whether a C program should include <sfio.h>.
?S:.
?C:I_SFIO:
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sfio.h>.
?C:.
?H:#$i_sfio I_SFIO /**/
?H:.
?LINT:set
i_sfio
: see if sfio.h is available
set sfio.h i_sfio
eval $inhdr
```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_sfio.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_endprotoent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_endprotoent\_r endprotoent\_r\_proto: Inlibc Protochk Hasproto \  
i\_systypes usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_endprotoent\_r:

?S: This variable conditionally defines the HAS\_ENDPROTOENT\_R symbol,

?S: which indicates to the C program that the endprotoent\_r()

?S: routine is available.

?S:.

?S:endprotoent\_r\_proto:

?S: This variable encodes the prototype of endprotoent\_r.

?S: It is zero if d\_endprotoent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endprotoent\_r

?S: is defined.

?S:.

?C:HAS\_ENDPROTOENT\_R:

?C: This symbol, if defined, indicates that the endprotoent\_r  
routine

?C: is available to endprotoent re-entrantly.

?C:.

?C:ENDPROTOENT\_R\_PROTO:

?C: This symbol encodes the prototype of endprotoent\_r.

?C: It is zero if d\_endprotoent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_endprotoent\_r

?C: is defined.

?C:.

?H:#\$d\_endprotoent\_r HAS\_ENDPROTOENT\_R /\*\*/

?H:#define ENDPROTOENT\_R\_PROTO \$endprotoent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_endprotoent\_r\_proto

: see if endprotoent\_r exists

set endprotoent\_r d\_endprotoent\_r

eval \$inlibc

case "\$d\_endprotoent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"



```

case "$d_endprotoent_r_proto:$usethreads" in
":define") d_endprotoent_r_proto=define
set d_endprotoent_r_proto endprotoent_r $hdrs
eval $hasproto ;;
*) ;;
esac
case "$d_endprotoent_r_proto" in
define)
case "$endprotoent_r_proto" in
"|0) try='int endprotoent_r(struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && endprotoent_r_proto=I_D ;;
esac
case "$endprotoent_r_proto"
in
"|0) try='void endprotoent_r(struct protoent_data*);'
./protochk "$extern_C $try" $hdrs && endprotoent_r_proto=V_D ;;
esac
case "$endprotoent_r_proto" in
"|0) d_endprotoent_r=undef
endprotoent_r_proto=0
echo "Disabling endprotoent_r, cannot determine prototype." >&4 ;;
* ) case "$endprotoent_r_proto" in
REENTRANT_PROTO*) ;;
*) endprotoent_r_proto="REENTRANT_PROTO_$endprotoent_r_proto" ;;
esac
echo "Prototype: $try" ;;
esac
;;
*) case "$usethreads" in
define) echo "endprotoent_r has no prototype, not using it." >&4 ;;
esac
d_endprotoent_r=undef
endprotoent_r_proto=0
;;
esac
;;
*) endprotoent_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-
5.30.0/U/threads/d_endprotoent_r.U

```

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: myhostname.U,v 3.0.1.3 1997/02/28 16:15:55 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:  
?RCS: You may redistribute only under the terms of the Artistic License,  
?RCS: as specified in the README file that comes with the distribution.  
?RCS: You may reuse parts of this distribution only within the terms of  
?RCS: that same Artistic License; a copy of which may be found at the root  
?RCS: of the source tree for dist 3.0.  
?RCS:  
?RCS: \$Log: myhostname.U,v \$  
?RCS: Revision 3.0.1.3 1997/02/28 16:15:55 ram  
?RCS: patch61: improved hostname lookup by using ypmatch when NIS is used  
?RCS:  
?RCS: Revision 3.0.1.2 1994/10/29 16:25:43 ram  
?RCS: patch36: call ./xenix explicitly instead of relying on PATH  
?RCS: patch36: now uses new Tr unit to convert to/from lowercase  
?RCS:  
?RCS: Revision 3.0.1.1 1994/06/20 07:06:20 ram  
?RCS: patch30: now a little more clever for domain name guessing  
?RCS:  
?RCS:  
Revision 3.0 1993/08/18 12:09:18 ram  
?RCS: Baseline for dist 3.0 netwide release.  
?RCS:  
?MAKE:myhostname phostname mydomain: contains sed test Myread Oldconfig \  
Guess Loc awk echo sort uniq +usrinc rm hostcat Tr  
?MAKE: -pick add \$@ %<  
?S:myhostname (hostname):  
?S: This variable contains the eventual value of the MYHOSTNAME symbol,  
?S: which is the name of the host the program is going to run on.  
?S: The domain is not kept with hostname, but must be gotten from mydomain.  
?S: The dot comes with mydomain, and need not be supplied by the program.  
?S:.  
?S:mydomain:  
?S: This variable contains the eventual value of the MYDOMAIN symbol,  
?S: which is the domain of the host the program is going to run on.  
?S: The domain must be appended to myhostname to form a complete host name.  
?S: The dot comes with mydomain, and need not be supplied by the program.  
?S:.  
?S:phostname:  
?S: This variable contains the eventual value of the PHOSTNAME symbol,  
?S: which is a command that can be fed to popen()  
to get the host name.  
?S: The program should probably not presume that the domain is or isn't  
?S: there already.  
?S:.  
?C:MYHOSTNAME (HOSTNAME):  
?C: This symbol contains name of the host the program is going to run on.  
?C: The domain is not kept with hostname, but must be gotten from MYDOMAIN.  
?C: The dot comes with MYDOMAIN, and need not be supplied by the program.

?C: If gethostname() or uname() exist, MYHOSTNAME may be ignored. If MYDOMAIN

?C: is not used, MYHOSTNAME will hold the name derived from PHOSTNAME.

?C:.

?C:MYDOMAIN:

?C: This symbol contains the domain of the host the program is going to

?C: run on. The domain must be appended to HOSTNAME to form a complete

?C: host name. The dot comes with MYDOMAIN, and need not be supplied by

?C: the program. If the host name is derived from PHOSTNAME, the domain

?C: may or may not already be there, and the program should check.

?C:.

```
?H:#define MYHOSTNAME "$myhostname" /**/
```

```
?H:#define MYDOMAIN "$mydomain" /**/
```

?H:.

?LINT:extern osname

?T:cont

i tans tmp\_re

: now get the host name

echo " "

echo "Figuring out host name..." >&4

case "\$myhostname" in

\*) cont=true

echo 'Maybe "hostname" will work...'

if tans=`sh -c hostname 2>&1` ; then

myhostname=\$tans

phostname=hostname

cont="

fi

::

\*) cont=";;

esac

if \$test "\$cont"; then

if ./xenix; then

echo 'Oh, dear. Maybe "/etc/systemid" is the key...'

if tans=`cat /etc/systemid 2>&1` ; then

myhostname=\$tans

phostname='cat /etc/systemid'

echo "Whadyaknow. Xenix always was a bit strange..."

cont="

fi

elif \$test -r /etc/systemid; then

echo "(What is a non-Xenix system doing with /etc/systemid?)"

fi

fi

if \$test "\$cont"; then

echo 'No, maybe "uname -l" will work...'

if tans=`sh -c 'uname -l' 2>&1` ; then

myhostname=\$tans

phostname='uname -l'

```

else
echo 'Strange. Maybe "uname -n" will work...'
if tans=`sh -c 'uname -n' 2>&1` ; then
myhostname=$tans
phostname='uname -n'
else
echo 'Oh well, maybe I can mine it out of whoami.h...'
if
tans=`sh -c $contains' sysname $usrinc/whoami.h' 2>&1` ; then
myhostname=`echo "$tans" | $sed 's/^\.*\(\.*\)^1/^'
phostname="sed -n -e ""'/sysname/s/^\.*\(\.*\)^1/{"" -e p -e q -e '}' <$usrinc/whoami.h"
else
case "$myhostname" in
") echo "Does this machine have an identity crisis or something?"
phostname="";
*)
echo "Well, you said $myhostname before..."
phostname='echo $myhostname';;
esac
fi
fi
fi
fi
case "$myhostname" in
") myhostname=noname ;;
esac
: you do not want to know about this
set $myhostname
myhostname=$1

: verify guess
if $test "$myhostname" ; then
dflt=y
rp='Your host name appears to be "$myhostname"." Right?'
./myread
case "$ans" in
y*) ;;
*) myhostname="";;
esac
fi

: bad guess or no guess
while $test "X$myhostname" = X ; do
dflt=""
rp="Please type the (one word) name of your host:"
./myread
myhostname="$ans"
done

```

```

: translate upper to lower if necessary
case "$myhostname" in
*[A-Z]*)
echo
"(Normalizing case in your host name)"
myhostname=`echo $myhostname | ./tr '[A-Z]' '[a-z]`
;;
esac

```

?X: Do not ask for domain name if this is not used later on. In that

?X: case, the hostname may keep its domain name, but it doesn't matter.

@if MYDOMAIN || mydomain

```

case "$myhostname" in
*.*)
dfilt=`expr "X$myhostname" : "X[^.]*\(\..*\)"`
myhostname=`expr "X$myhostname" : "X\([^.]*\)\. "`
echo "(Trimming domain name from host name--host name is now $myhostname)"
;;
*) case "$mydomain" in
)

```

?X:

?X: There is currently no way to say we do not want hostcat if mydomain is not

?X: used. One way to achieve that would be to put that code in a mydomain.U

?X: unit. However, we want to stick the sanity checks right after the domain

?X: name computation, or if none is done, right after the hostname computation.

?X:

```
{
```

?X: If we use NIS, try ypmatch.

```

test "X$hostcat" = "Xypcat hosts" &&
ypmatch "$myhostname" hosts 2>/dev/null \
$sed -e 's/[ ]*#.*//; s/$/ /' > hosts
&& \
$test -s hosts
} || {

```

?X: Extract only the relevant hosts, reducing file size,

?X: remove comments, insert trailing space for later use.

?X: Test to be sure we \*have\* a hostcat command. os390 doesn't.

```

test "X$hostcat" != "X" &&
$hostcat | $sed -n -e "s/[ ]*#.*//; s^\$/ /
/[ ]$myhostname[ ]/p" > hosts
}
tmp_re="[ .]"
if $test -f hosts; then
$test x`$awk "/[0-9].*[ ]$myhostname$tmp_re/ { sum++ }
END { print sum }" hosts` = x1 || tmp_re="[ ]"
dfilt=`$awk "/[0-9].*[ ]$myhostname$tmp_re/ {for(i=2; i<=NF;i++) print \\|\\$i}" \
hosts | $sort | $uniq | \

```

```

$sed -n -e "s/$myhostname\\.([a-zA-Z0-9_])\1/p"
case ` $echo X$dflt` in
X*\ *) echo "(Several hosts in the database matched hostname)"
dflt=.
;;
X.) echo "(You do not have fully-qualified names in the hosts database)"
;;
esac
else
echo "(I cannot locate a hosts database anywhere)"
dflt=.
fi
case "$dflt" in
.)
tans=`./loc resolv.conf X /etc /usr/etc`
if
$test -f "$stans"; then
echo "(Attempting domain name extraction from $stans)"
?X: Look for either a search or a domain directive.
dflt=`$sed -n -e 's// /g' \
-e 's/^search *\([^ ]*\).\1/p' $stans \
-e 1q 2>/dev/null`
case "$dflt" in
.) dflt=`$sed -n -e 's// /g' \
-e 's/^domain *\([^ ]*\).\1/p' $stans \
-e 1q 2>/dev/null`
;;
esac
fi
;;
esac
case "$dflt" in
.) echo "(No help from resolv.conf either -- attempting clever guess)"
dflt=`sh -c domainname 2>/dev/null`
case "$dflt" in
") dflt='.';
.nis.*|yp.*|.main.*) dflt=`echo $dflt | $sed -e 's/^\.[^.]*/'`;
esac
;;
esac
case "$dflt$osname" in
.os390) echo "(Attempting domain name extraction from //SYS1.TCPPARMS(TCPDATA))"
dflt=`awk '/^DOMAINORIGIN/ {print $2}' //SYS1.TCPPARMS(TCPDATA)" 2>/dev/null`
;;
esac
case "$dflt" in
.) echo "(Lost all hope -- silly guess then)"
dflt='.nonet'

```

```

;;
esac
$rm -f hosts
;;
*)
dflt="$mydomain";;
esac;;
esac
echo " "
rp="What is your domain name?"
./myread
tans="$ans"
case "$ans" in
") ;;
.*) ;;
*) tans=".${ans}";;
esac
mydomain="$tans"

: translate upper to lower if necessary
case "$mydomain" in
*[A-Z]*)
echo "(Normalizing case in your domain name)"
mydomain=`echo $mydomain | ./tr '[A-Z]' '[a-z]'`
;;
esac

@end
: a little sanity check here
case "$phostname" in
") ;;
*)
case ` $phostname | ./tr '[A-Z]' '[a-z]^` in
$myhostname$mydomain|$myhostname) ;;
*)
case "$phostname" in
sed*)
echo "(That doesn't agree with your whoami.h file, by the way.)"
;;
*)
echo "(That doesn't agree with your $phostname command, by the way.)"
;;
esac
;;
esac
;;
esac
;;
esac

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/myhostname.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_systable.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_systable.U,v \$

?RCS: Revision 3.0.1.1 1993/10/16 13:50:20 ram

?RCS: patch12: created

?RCS:

?RCS:

?MAKE:i\_systable: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_systable:

?S: This variable conditionally defines the I\_SYS\_TABLE symbol, and

?S: indicates whether a C program should include <sys/table.h>.

?S:.

?C:I\_SYS\_TABLE:

?C: This symbol, if defined, indicates to the C program that it should

?C: include <sys/table.h> for the OSF/1 table() system call.

?C:.

?H:#\$i\_systable

I\_SYS\_TABLE /\*\*/

?H:.

?LINT:set i\_systable

: see if this is an OSF sys/table system

set sys/table.h i\_systable

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systable.U

No license file was found, but licenses were detected in source scan.

?RCS: Copyright (c) 2017-2018, H.Merijn Brand

?RCS:

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?RCS: You may reuse parts of this distribution only within the terms of



?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?MAKE:d\_accept4: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_accept4:

?S: This variable conditionally defines HAS\_ACCEPT4 if accept4() is

?S: available to accept socket connections.

?S:.

?C:HAS\_ACCEPT4:

?C: This symbol, if defined, indicates that the accept4 routine is

?C: available to accept socket connections.

?C:.

?H:#\$d\_accept4 HAS\_ACCEPT4 /\*\*/

?H:.

?LINT:set d\_accept4

: see if accept4 exists

set accept4 d\_accept4

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_accept4.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: d\_setservent\_r.U,v 0RCS:

?RCS: Copyright (c) 2002,2003 Jarkko Hietaniemi

?RCS:

?RCS: You may distribute under the terms of either the GNU General Public

?RCS: License or the Artistic License, as specified in the README file.

?RCS:

?RCS: Generated by the reentr.pl from the Perl 5.8 distribution.

?RCS:

?MAKE:d\_setservent\_r setservent\_r\_proto: Inlibc Protochk Hasproto i\_systypes \  
usethreads i\_netdb extern\_C

?MAKE: -pick add \$@ %<

?S:d\_setservent\_r:

?S: This variable conditionally defines the HAS\_SETSERVENT\_R symbol,

?S: which indicates to the C program that the setservent\_r()

?S: routine is available.

?S:.

?S:setservent\_r\_proto:

?S: This variable encodes the prototype of setservent\_r.

?S: It is zero if d\_setservent\_r is undef, and one of the

?S: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setservent\_r

?S: is defined.

?S:.

?C:HAS\_SETSERVENT\_R:

?C: This symbol, if defined, indicates that the setservent\_r routine

?C: is

available to setservent re-entrantly.

?C:.

?C:SETSERVENT\_R\_PROTO:

?C: This symbol encodes the prototype of setservent\_r.

?C: It is zero if d\_setservent\_r is undef, and one of the

?C: REENTRANT\_PROTO\_T\_ABC macros of reentr.h if d\_setservent\_r

?C: is defined.

?C:.

?H:#\$d\_setservent\_r HAS\_SETSERVENT\_R /\*\*/

?H:#define SETSERVENT\_R\_PROTO \$setservent\_r\_proto /\*\*/

?H:.

?T:try hdrs d\_setservent\_r\_proto

: see if setservent\_r exists

set setservent\_r d\_setservent\_r

eval \$inlibc

case "\$d\_setservent\_r" in

"\$define")

hdrs="\$i\_systypes sys/types.h define stdio.h \$i\_netdb netdb.h"

case "\$d\_setservent\_r\_proto:\$susethreads" in

":define") d\_setservent\_r\_proto=define

set d\_setservent\_r\_proto setservent\_r \$hdrs

eval \$hasproto ;;

\*) ;;

esac

case "\$d\_setservent\_r\_proto" in

define)

case "\$setservent\_r\_proto" in

"|0) try='int setservent\_r(int, struct servent\_data\*);'

./protochk "\$extern\_C \$try" \$hdrs && setservent\_r\_proto=I\_ID ;;

esac

case "\$setservent\_r\_proto" in

"|0) try='void

setservent\_r(int, struct servent\_data\*);'

./protochk "\$extern\_C \$try" \$hdrs && setservent\_r\_proto=V\_ID ;;

esac

case "\$setservent\_r\_proto" in

"|0) d\_setservent\_r=undef

setservent\_r\_proto=0

echo "Disabling setservent\_r, cannot determine prototype." >&4 ;;

\* ) case "\$setservent\_r\_proto" in

REENTRANT\_PROTO\*) ;;

\*) setservent\_r\_proto="REENTRANT\_PROTO\_\$setservent\_r\_proto" ;;

esac

echo "Prototype: \$try" ;;

esac

::

```

*) case "$usethreads" in
define) echo "setservernt_r has no prototype, not using it." >&4 ;;
esac
d_setservernt_r=undef
setservernt_r_proto=0
;;
esac
;;
*) setservernt_r_proto=0
;;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/threads/d_setservernt_r.U

```

No license file was found, but licenses were detected in source scan.

```

?RCS: $Id: i_systimes.U 1 2006-08-24 12:32:52Z rmanfredi $
?RCS:
?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi
?RCS:
?RCS: You may redistribute only under the terms of the Artistic Licence,
?RCS: as specified in the README file that comes with the distribution.
?RCS: You may reuse parts of this distribution only within the terms of
?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: i_systimes.U,v $
?RCS: Revision 3.0 1993/08/18 12:08:39 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:i_systimes: Inhdr
?MAKE: -pick add $@ %<
?S:i_systimes:
?S: This variable conditionally defines the I_SYS_TIMES symbol, and indicates
?S: whether a C program should include <sys/times.h>.
?S:.
?C:I_SYS_TIMES (I_SYSTIMES):
?C: This symbol, if defined, indicates to the C program that it should
?C: include <sys/times.h>.
?C:.
?H:#$i_systimes I_SYS_TIMES /**/
?H:.
?LINT:set
i_systimes
: see if this is a sys/times.h system
set sys/times.h i_systimes
eval $inhdr

```

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_systimes.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: i\_stdlib.U 1 2006-08-24 12:32:52Z rmanfredi \$

?RCS:

?RCS: Copyright (c) 1991-1997, 2004-2006, Raphael Manfredi

?RCS:

?RCS: You may redistribute only under the terms of the Artistic Licence,

?RCS: as specified in the README file that comes with the distribution.

?RCS: You may reuse parts of this distribution only within the terms of

?RCS: that same Artistic Licence; a copy of which may be found at the root

?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: i\_stdlib.U,v \$

?RCS: Revision 3.0 1993/08/18 12:08:27 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?MAKE:i\_stdlib: Inhdr

?MAKE: -pick add \$@ %<

?S:i\_stdlib:

?S: This variable conditionally defines the I\_STDLIB symbol, which

?S: indicates to the C program that <stdlib.h> exists and should

?S: be included.

?S:.

?C:I\_STDLIB:

?C: This symbol, if defined, indicates that <stdlib.h> exists and should

?C: be included.

?C:.

?H:#\$i\_stdlib I\_STDLIB /\*\*/

?H:.

?LINT:set

i\_stdlib

: see if stdlib is available

set stdlib.h i\_stdlib

eval \$inhdr

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/i\_stdlib.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: perlpath.U,v 3.0.1.2 1995/09/25 09:17:04 ram Exp \$

?RCS:

?RCS: Copyright (c) 1991-1993, Raphael Manfredi

?RCS:

?RCS: This file is included with or a derivative work of a file included  
?RCS: with the metaconfig program of Raphael Manfredi's "dist" distribution.  
?RCS: In accordance with clause 7 of dist's modified Artistic License:  
?RCS:  
?RCS: You may distribute under the terms of either the GNU General Public  
?RCS: License or the Artistic License, as specified in the README file.  
?RCS:  
?RCS: \$Log: perlpath.U,v \$  
?RCS:  
?RCS: Special perl5 unit -- we haven't installed perl yet.  
?RCS:  
?RCS: Revision 3.0.1.2 1995/09/25 09:17:04 ram  
?RCS: patch59: unit is now forced to the top of Configure, if possible  
?RCS:  
?RCS: Revision 3.0.1.1 1995/01/11 15:33:53 ram  
?RCS: patch45: can now use Loc variables since path stripping is deferred  
?RCS:  
?RCS: Revision 3.0 1993/08/18 12:09:32 ram  
?RCS: Baseline for dist  
3.0 netwide release.  
?RCS:  
?X:  
?X: The purpose of this unit is to locate perl good enough to construct a #!  
?X:  
?MAKE:perlpath: cat Getfile Loc Myread Oldconfig initialinstalllocation \  
startperl version versiononly  
?MAKE: -pick add \$@ %<  
?Y:TOP  
?S:perlpath:  
?S: This variable contains the eventual value of the PERLPATH symbol,  
?S: which contains the name of the perl interpreter to be used in  
?S: shell scripts and in the "eval 'exec'" idiom. This variable is  
?S: not necessarily the pathname of the file containing the perl  
?S: interpreter; you must append the executable extension (\_exe) if  
?S: it is not already present. Note that Perl code that runs during  
?S: the Perl build process cannot reference this variable, as Perl  
?S: may not have been installed, or even if installed, may be a  
?S: different version of Perl.  
?S:.  
?C:PERLPATH:  
?C: This symbol contains the name of the perl interpreter to be  
?C: used in shell scripts and in the "eval 'exec'" idiom.  
?C:.  
?H:#define PERLPATH "\$perlpath" /\*\*/  
?H:.  
:  
figure best path for perl in scripts  
case "\$perlpath" in

```

")
case "$versiononly" in
"$define") perlpath="$initialinstalllocation/perl$version";;
*) perlpath="$initialinstalllocation/perl";;
esac
case "$startperl" in
*!*) ;;
*)
$cat <<EOH

```

I will use the "eval 'exec'" idiom to start Perl on your system.  
I can use the full path of your Perl binary for this purpose, but  
doing so may cause problems if you want to share those scripts and  
Perl is not always in a standard place (\$initialinstalllocation/perl).

EOH

```

dflt="$initialinstalllocation/perl"
rp="What path shall I use in \"eval 'exec'\"?"
./myread
perlpath="$ans"
;;
esac
;;
esac
case "$startperl" in
*!*) ;;
*) echo "I'll use $perlpath in \"eval 'exec'\"";;
esac

```

Found in path(s):

```

* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/perlpath.U

```

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?RCS: of the source tree for dist 4.0.

?RCS:

?RCS: \$Log: Myinit.U,v \$

?RCS: Revision 3.0.1.1 1994/10/31 09:47:29 ram

?RCS: patch44: leading comment states this unit comes before option processing

?RCS:

?RCS: Revision 3.0 1993/08/18 12:05:07 ram

?RCS: Baseline for dist 3.0 netwide release.

?RCS:

?X:

?X: If you want to initialize any default values, copy this unit to your

?X: personal U directory and add the assignments to the end. This file

?X: is included after variables are initialized but before any old

?X: config.sh file is read in and before

any Configure switch processing.

?X:

?MAKE:Myinit: Init

?MAKE: -pick add \$@ %<

?LINT: nocomment

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/Myinit.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id: prototype.U,v 3.0.1.3 1994/05/06 15:11:49 ram Exp \$

?RCS:

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?RCS: of the source tree for dist 3.0.

?RCS:

?RCS: \$Log: prototype.U,v \$

?RCS: Revision 3.0.1.3 1994/05/06 15:11:49 ram

?RCS: patch23: ensure cc flags used when looking for prototype support

?RCS:

?RCS: Revision 3.0.1.2 1994/01/24 14:15:36 ram

?RCS: patch16: prototype handling macros now appear only when needed

?RCS:

?RCS: Revision 3.0.1.1 1993/08/25 14:03:12 ram

?RCS: patch6: defines were referring to non-existent VOID symbol

?RCS:

?RCS: Revision 3.0 1993/08/18 12:09:36 ram

?RCS: Baseline for dist

3.0 netwide release.

?RCS:

?MAKE:prototype: Nothing

?S:prototype:

?S: This variable holds the eventual value of CAN\_PROTOTYPE, which

?S: indicates the C compiler can handle function prototypes.

?S:.

: stub, never used  
prototype=nothing

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/modified/prototype.U

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?RCS:

?MAKE:d\_PRI64 d\_PRIi64 d\_PRIu64 d\_PRIO64 d\_PRIx64 d\_PRIXU64 \  
sPRI64 sPRIi64 sPRIu64 sPRIO64 sPRIx64 sPRIXU64: \  
quadtype i\_inttypes test cat rm\_try Setvar Compile run

?MAKE: -pick add \$@ %<

?S:d\_PRI64:

?S: This variable conditionally defines the PERL\_PRI64 symbol, which

?S: indicates that stdio has a symbol to print 64-bit decimal numbers.

?S:.

?S:d\_PRIi64:

?S: This variable conditionally defines the PERL\_PRIi64 symbol, which

?S: indicates that stdio has a symbol to print 64-bit decimal numbers.

?S:.

?S:d\_PRIu64:

?S: This variable conditionally defines the PERL\_PRIu64 symbol, which

?S: indicates that stdio has a symbol to print 64-bit unsigned decimal

?S: numbers.

?S:.

?S:d\_PRIO64:

?S: This variable

conditionally defines the PERL\_PRIO64 symbol, which

?S: indicates that stdio has a symbol to print 64-bit octal numbers.

?S:.

?S:d\_PRIx64:

?S: This variable conditionally defines the PERL\_PRIx64 symbol, which

?S: indicates that stdio has a symbol to print 64-bit hexadecimal numbers.

?S:.

?S:d\_PRIXU64:

?S: This variable conditionally defines the PERL\_PRIXU64 symbol, which

?S: indicates that stdio has a symbol to print 64-bit hEXADEcImAl numbers.

?S: The 'U' in the name is to separate this from d\_PRIx64 so that even

?S: case-blind systems can see the difference.

?S:.

?S:sPRI64:



?S: This variable, if defined, contains the string used by stdio to  
?S: format 64-bit decimal numbers (format 'd') for output.  
?S:.  
?S:sPRIi64:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format 64-bit decimal numbers (format 'i') for output.  
?S:.  
?S:sPRIu64:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format 64-bit unsigned decimal numbers (format 'u')  
for output.  
?S:.  
?S:sPRIo64:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format 64-bit octal numbers (format 'o') for output.  
?S:.  
?S:sPRIx64:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format 64-bit hexadecimal numbers (format 'x') for output.  
?S:.  
?S:sPRIXU64:  
?S: This variable, if defined, contains the string used by stdio to  
?S: format 64-bit hExADECimAl numbers (format 'X') for output.  
?S: The 'U' in the name is to separate this from sPRIx64 so that even  
?S: case-blind systems can see the difference.  
?S:.  
?C:PERL\_PRIId64:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format 64-bit decimal numbers (format 'd') for output.  
?C:.  
?C:PERL\_PRIi64:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format 64-bit decimal numbers (format 'i') for output.  
?C:.  
?C:PERL\_PRIu64:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format 64-bit unsigned decimal numbers (format 'u')  
for output.  
?C:.  
?C:PERL\_PRIo64:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format 64-bit octal numbers (format 'o') for output.  
?C:.  
?C:PERL\_PRIx64:  
?C: This symbol, if defined, contains the string used by stdio to  
?C: format 64-bit hexadecimal numbers (format 'x') for output.  
?C:.  
?C:PERL\_PRIXU64:

```

?C: This symbol, if defined, contains the string used by stdio to
?C: format 64-bit hexadecimal numbers (format 'X') for output.
?C:.
?H: # $d_PRI64 PERL_PRI64 $sPRI64 /**/
?H: # $d_PRIi64 PERL_PRIi64 $sPRIi64 /**/
?H: # $d_PRIu64 PERL_PRIu64 $sPRIu64 /**/
?H: # $d_PRIo64 PERL_PRIo64 $sPRIo64 /**/
?H: # $d_PRIx64 PERL_PRIx64 $sPRIx64 /**/
?H: # $d_PRIx64 PERL_PRIXU64 $sPRIXU64 /**/
?H:.
?T: yyy
?F: !try
: Check 64bit sizes
echo " "

```

```

if $test X"$quadtype" != X; then

```

```

echo "Checking how to print 64-bit integers..." >&4

```

```

if $test X"$sPRI64" = X -a X"$quadtype" = Xint; then

```

```

$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
int q = 12345678901;

printf("%ld\n", q);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRI64="d"; sPRIi64="i"; sPRIu64="u";
sPRIo64="o"; sPRIx64="x"; sPRIXU64="X";
echo "We will use %d."
;;
esac
fi
fi

```

```

if $test X"$sPRI64" = X -a X"$quadtype" = Xlong; then

```

```

$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
long q = 12345678901;

```

```

printf("%ld\n", q);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="ld"; sPRIi64="li"; sPRIu64="lu";
sPRIo64="lo"; sPRIx64="lx"; sPRIXU64="lX";
echo "We will use %ld."
;;
esac
fi
fi

if $test X"$sPRId64" = X -a X"$i_inttypes" = X"$define" -a X"$quadtype" = Xint64_t; then
$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <inttypes.h>
#include <stdio.h>
int main() {
int64_t q = 12345678901;
printf("%" PRId64 "\n", q);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64=PRId64;
sPRIi64=PRIi64; sPRIu64=PRIu64;
sPRIo64=PRIo64; sPRIx64=PRIx64; sPRIXU64=PRIXU64;
echo "We will use the C9X style."
;;
esac
fi
fi

if $test X"$sPRId64" = X -a X"$quadtype" != X; then
$cat >try.c <<'EOCP'
#include <sys/types.h>
#include <stdio.h>
int main() {
$quadtype q = 12345678901;
printf("%Ld\n", q);
}

```

```

EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="Ld"; sPRIi64="Li"; sPRIu64="Lu";
sPRIo64="Lo"; sPRIx64="Lx"; sPRIXU64="LX";
echo "We will use %Ld."
;;
esac
fi
fi

if $test X"$sPRId64" = X -a X"$squadtype" = X"long long"; then
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
int main() {
long long q = 12345678901LL; /* AIX cc requires the LL suffix. */
printf("%lld\n", q);
}
EOCP
set try
if eval $compile; then
yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="lld"; sPRIi64="lli"; sPRIu64="llu";
sPRIo64="llo"; sPRIx64="llx";
sPRIXU64="llX";
echo "We will use the %lld style."
;;
esac
fi
fi

if $test X"$sPRId64" = X -a X"$squadtype" != X; then
$cat >try.c <<EOCP
#include <sys/types.h>
#include <stdio.h>
int main() {
$squadtype q = 12345678901;
printf("%qd\n", q);
}
EOCP
set try
if eval $compile; then

```

```

yyy=`$run ./try`
case "$yyy" in
12345678901)
sPRId64="qd"; sPRi64="qi"; sPRi64="qu";
sPRIo64="qo"; sPRIx64="qx"; sPRIXU64="qX";
echo "We will use %qd."
;;
esac
fi
fi

if $test X"$sPRId64" = X; then
echo "Cannot figure out how to print 64-bit integers." >&4
fi
$rm_try

fi

case "$sPRId64" in
") d_PRId64="$undef"; d_PRi64="$undef"; d_PRi64="$undef";
d_PRIo64="$undef"; d_PRIx64="$undef"; d_PRIXU64="$undef";
;;
*) d_PRId64="$define"; d_PRi64="$define"; d_PRi64="$define";
d_PRIo64="$define"; d_PRIx64="$define"; d_PRIXU64="$define";
;;
esac

```

Found in path(s):

```
* /opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/quadio.U
```

No license file was found, but licenses were detected in source scan.

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?RCS:

?MAKE:d\_fp\_classl: Inlibc

?MAKE: -pick add \$@ %<

?S:d\_fp\_classl:

?S: This variable conditionally defines the HAS\_FP\_CLASSL symbol, which

?S: indicates to the C program that the fp\_classl() routine is available.

?S:.

?C:HAS\_FP\_CLASSL:

?C: This symbol, if defined, indicates that the fp\_classl routine is

?C: available to classify long doubles. Available for example in

?C: Digital UNIX. See for possible values HAS\_FP\_CLASS.

?C:.

?H:#\$d\_fp\_classl HAS\_FP\_CLASSL /\*\*/

?H:.

?LINT:set d\_fp\_classl

: see if fp\_classl exists

set fp\_classl d\_fp\_classl

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_fp\_classl.U

No license file was found, but licenses were detected in source scan.

?RCS: \$Id\$

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?RCS:

?MAKE:d\_nl\_langinfo: Inlibc i\_langinfo

?MAKE: -pick add \$@ %<

?S:d\_nl\_langinfo:

?S: This variable conditionally defines the HAS\_NL\_LANGINFO symbol, which

?S: indicates to the C program that the nl\_langinfo() routine is available.

?S:.

?C:HAS\_NL\_LANGINFO:

?C: This symbol, if defined, indicates that the nl\_langinfo routine is

?C: available to return local data. You will also need <langinfo.h>

?C: and therefore I\_LANGINFO.

?C:.

?H:#\$d\_nl\_langinfo HAS\_NL\_LANGINFO /\*\*/

?H:.

?LINT:set d\_nl\_langinfo

?LINT:use i\_langinfo

: see if nl\_langinfo exists

set nl\_langinfo d\_nl\_langinfo

eval \$inlibc

Found in path(s):

\* /opt/cola/permits/1705628988\_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/U/perl/d\_nl\_langinfo.U

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?RCS: \$Id: d\_scorfl.U 1 2006-08-24 12:32:52Z rmanfredi \$

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```

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?RCS: that same Artistic Licence; a copy of which may be found at the root
?RCS: of the source tree for dist 4.0.
?RCS:
?RCS: $Log: d_scorfl.U,v $
?RCS: Revision 3.0 1993/08/18 12:07:01 ram
?RCS: Baseline for dist 3.0 netwide release.
?RCS:
?MAKE:d_scorfl: cat Myread Oldconfig nametype Setvar
?MAKE: -pick add $@ %<
?S:d_scorfl:
?S: This variable conditionally defines the SCOREFULL symbol, which
?S: indicates to the C program that any scoreboard kept by the program
?S: should be kept on the basis of the user's full name as opposed to
?S: the user's login name.
?S:.
?C:SCOREFULL:
?C: This
symbol, if defined, indicates that any scoreboard kept by the
?C: program should be kept on the basis of the user's full name as opposed
?C: to the user's login name. If the user can change his full name he
?C: can enter multiple scores if this is defined.
?C:.
?H:#$d_scorfl SCOREFULL /**/
?H:.
?LINT:set d_scorfl
: see how they want the scoreboard kept
case "$d_scorfl" in
"$define") dflt=y ;;
*) dflt=n ;;
esac
case "$nametype" in
other) val="$undef" ;;
*)
$cat <<'EOM'

```

The scoreboard can be kept with one score per login name, or one score per full name. If users can change their full name, or if there is more than one person on your system with the same full name, you should keep the score by login name (the full name is still printed).

```

EOM
rp='Do you want the scoreboard kept by full name?'
. ./myread
case "$ans" in

```

```
y*) val="$define" ;;
*) val="$undef" ;;
esac
;;
esac
set d_scorfl
eval $setvar
```

Found in path(s):

```
*/opt/cola/permits/1705628988_1687398350.718496/0/perl-5-30-0-orig-regen-configure-1-tar-gz/metaconfig-5.30.0/dist/U/d_scorfl.U
```

# 1.657 golang-lru 2.0.2

## 1.657.1 Available under license :

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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The End

Perl5 Metaconfig Units

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These units are the ones used to build Configure and config\_h.SH in the Perl5 distribution.

metaconfig will first look in its standard locations (specified when you installed dist). It will then recurse through the 'U' subdirectory and find any additional "private" units. Private units override standard ones supplied with metaconfig.

Files in this directory:

README

This file.

Glossary.patch

The standard dist units contain some strings that make pod2man complain. This patch silences those warnings. As new units are added and Configure is regenerated, this patch may need more and more 'fuzz' to be applied. It should be freshly regenerated every once in a while. See also mkgloss.pl

In-all.pl

Re-generate the all/ folder

mkglossary

A script to regenerate Porting/Glossary. You have to manually edit

the top of the script to point the location of your metaconfig units. It is called automatically by 'mksample'. See also mkgloss.pl

mkgloss.pl

A perl script that calls U/mkglossary from the perl source tree, sorts the list of symbols, and applies the patch mentioned in Glossary.patch.

When called on its own, redirect the output to a temporary file, and compare that file to Porting/Glossary before applying.



## mksample

A script to regenerate Porting/config.sh and Porting/config.H.  
It also calls mkglossary, if necessary.

## Subdirectories:

The units and other related files have been broken up into the following directories.

### a\_dvisory/

These are units that have to go first in the generated config\_h.SH.  
A word of explanation: Configure and config\_h.SH are generated from 'Units' (the \*.U files). Files indicate dependencies (using make(1)), and Configure is built to follow those dependencies. However, config\_h.SH is simply built by putting all the units in alphabetical order and extracting the relevant lines. (This could be fixed, I suppose, but it wasn't trivial the one time I looked.)  
The a\_dvisory/ directory, then, is a place to put units that need to be early in config\_h.SH. (Most units are self-contained and ought to be able to go anywhere. However, some things, like byteorder, need to have the #defines from multiarch available.)

### acl/

This is an old patch to begin to detect and use ACL (access control list) file protection schemes.

### all/

A folder that conveniently holds symbolic links to all the modules that are used to build the current Configure and config\_h.SH.

### compline/

These are similar to the standard units, but I have modified them to have a more uniform compile command line, usually using the new Compile.U unit. (The ccflags.U unit is perl-specific since it mentions -DDEBUGGING and -DPOSIX\_SOURCE, but that's the only place it is perl-specific.)

### dist\_patches/

These are patches to dist that must be applied before it is built and installed. I have submitted these for inclusion in the regular dist distribution. They have already been applied to the ../dist-3.0at70b directory.

### ebcdic/

These are units that had to be specially modified to work under either EBCDIC or ASCII.

#### installdirs/

These are units to handle perl's installation directories and related issues.

#### modified/

These are modified versions of the standard units. Also included in this directory are new units that are clearly derived from existing units. I have submitted these for inclusion in the regular dist distribution.

#### nullified/

These are null units that replace units in the standard distribution. Typically they are there because some part of the perl source accidentally uses a symbol that metaconfig thinks means we want the corresponding unit.

#### perl/

These are specific to perl. Some are heavily derived from original dist units, and are marked as such. Others are original.

#### perl\_patches/

These are patches to the perl source. This directory should ordinarily be empty, but there may have been drift between the standard version of perl and the one associated with these units.

#### protos/

These are units modified to use the new Hasproto.U or Protochk.U units to check for prototypes.

#### threads/

These are specific to threading perl.

#### typedefs/

These are standard units modified to use the modified Typedef.U unit to check for typedefs. (The modified Typdef.U includes a function to avoid unnecessary prompts if the typedef being searched for exists.)

Where appropriate, I submitted these units for inclusion into the regular dist distribution. However, since dist is no longer actively maintained, and the alternative is for \*me\* to actively maintain it, the units just sit here.

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Dept. of Physics

Lafayette College

Easton, PA 18042-1782

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set yrange [0:]

set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

```
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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```

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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024

set xtics rotate by -45

set style histogram errorbars gap 2 lw 1

set style fill solid border -1

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## 1.664 py3-parsing 3.0.9-r2

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If the program does terminal interaction, make it output a short  
notice like this when it starts in an interactive mode:

```
<program> Copyright (C) <year> <name of author>  
This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.  
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```

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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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

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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.
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for



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# 1.673 util-linux 2.34-0.1ubuntu9.4

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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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# 1.680 google-s2a-go 0.1.4

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```

```
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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute
it
under certain conditions; type `show c' for details.
```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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## 1.683 ncurses 6.2-0ubuntu2.1

### 1.683.1 Available under license :

Upstream source <https://invisible-island.net/ncurses/ncurses-examples.html>

Current ncurses maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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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](mailto:dickey@invisible-island.net)>

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# 1.684 go-iam 1.1.1

## 1.684.1 Available under license :

```
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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
    "bytes"
    "context"
    "fmt"
    "io"
    "math"
    "net/http"
    "net/url"
    "time"

    computepb "cloud.google.com/go/compute/apiv1/computepb"
    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport
    "google.golang.org/api/transport/http"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
    "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook
```



```

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
type LicensesCallOptions struct {
    Delete      []gax.CallOption
    Get         []gax.CallOption
    GetIamPolicy []gax.CallOption
    Insert      []gax.CallOption
    List        []gax.CallOption
    SetIamPolicy []gax.CallOption
    TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
    return &LicensesCallOptions{
        Delete: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
        },
        Get: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{
                    Initial: 100 * time.Millisecond,
                    Max:     60000 * time.Millisecond,
                    Multiplier:
                1.30,
            },
                http.StatusGatewayTimeout,
                http.StatusServiceUnavailable)
            }),
        },
        GetIamPolicy: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{
                    Initial: 100 * time.Millisecond,
                    Max:     60000 * time.Millisecond,
                    Multiplier: 1.30,
                },
                    http.StatusGatewayTimeout,
                    http.StatusServiceUnavailable)
            }),
        },
        Insert: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
        },
        List: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{

```

```

    Initial: 100 * time.Millisecond,
    Max: 60000 * time.Millisecond,
    Multiplier: 1.30,
  },
  http.StatusGatewayTimeout,
  http.StatusServiceUnavailable)
 )),
},
SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
},
TestIamPermissions:
[]gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
},
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
  Close() error
  setGoogleClientInfo(...string)
  Connection() *grpc.ClientConn
  Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
  Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
  GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
  error)
  Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
  List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
  SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
  error)
  TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest,
  ...gax.CallOption) (*computepb.TestPermissionsResponse, error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The Licenses API.
type LicensesClient struct {
  // The internal transport-dependent client.
  internalClient internalLicensesClient

  // The call options for this service.
  CallOptions *LicensesCallOptions
}

```

```

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

//
// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy
// gets the access control policy for a resource. May be empty if no such policy or resource exists. Caution This
// resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
// party partners who are creating Cloud Marketplace images.

```

```

func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
// belong to other projects, including licenses attached to publicly-available images, like
// Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective
// image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party
// partners who are creating Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
    return c.internalClient.List(ctx, req, opts...)
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
// resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.SetIamPolicy(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution
// This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
type licensesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // operationClient is used to call the operation-specific management service.
    operationClient *GlobalOperationsClient

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD

    // Points back to the CallOptions field of the containing LicensesClient
    CallOptions **LicensesCallOptions
}

```

```

// NewLicensesRESTClient creates a new licenses rest client.
//
//
The Licenses API.
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
    clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }

    callOpts := defaultLicensesRESTCallOptions()
    c := &licensesRESTClient{
        endpoint:    endpoint,
        httpClient:  httpClient,
        CallOptions: &callOpts,
    }
    c.setGoogleClientInfo()

    o := []option.ClientOption{
        option.WithHTTPClient(httpClient),
        option.WithEndpoint(endpoint),
    }
    opC, err := NewGlobalOperationsRESTClient(ctx, o...)
    if err != nil {
        return nil, err
    }
    c.operationClient = opC

    return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()),
    }
}

//
setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", gax.GoVersion}, keyval...)

```

```

kv = append(kv, "gopic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
if err := c.operationClient.Close(); err != nil {
return err
}
return nil
}

// Connection returns a connection to the API service.
//
//
// Deprecated: This method always returns nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

params := url.Values{ }
if req != nil && req.RequestId != nil {
params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

headers
:= buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }

```

```

resp := &computepb.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unmarshal(buf, resp); err != nil {
        return err
    }

    return nil
}, opts...)
if
e != nil {
    return nil, e
}
op := &Operation{
    &globalOperationsHandle{
        c:    c.operationClient,
        proto: resp,
        project: req.GetProject(),
    },
}
return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners

```

who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense())))

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    opts
    = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.License{}
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

        httpRsp, err := c.httpClient.Do(httpReq)
        if err != nil {
            return err
        }
        defer httpRsp.Body.Close()

        if err = googleapi.CheckResponse(httpRsp); err != nil {
            return err
        }

        buf, err := io.ReadAll(httpRsp.Body)
        if err != nil {
            return err
        }

        if err := unmarshalOptions.Unmarshal(buf, resp); err != nil {
            return err
        }
    })
}
```



```

return nil
}, opts...)
if e != nil {
return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for a resource.
// May be empty if no such policy or resource exists. Caution This resource is intended for use only by third-party
// partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

params := url.Values{ }
if req != nil && req.OptionsRequestedPolicyVersion != nil {
params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers
:= buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {
return err
}
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

```

```

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if
e != nil {
    return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

    params := url.Values{ }
    if req != nil && req.RequestId != nil {

```

```

params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v", "project",
url.QueryEscape(req.GetProject())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{}
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err !=
nil {
        return err
    }

    return nil
}, opts...)
if e != nil {
    return nil, e
}

```

```

}
op := &Operation{
  &globalOperationsHandle{
    c: c.operationClient,
    proto: resp,
    project: req.GetProject(),
  },
}
return op, nil
}

```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
  it := &LicenseIterator{ }
  req = proto.Clone(req).(*computepb.ListLicensesRequest)
  unmarshalOptions := protojson.UnmarshalOptions{ AllowPartial: true,
  DiscardUnknown: true }
  it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
    resp := &computepb.LicensesListResponse{ }
    if pageToken != "" {
      req.PageToken = proto.String(pageToken)
    }
    if pageSize > math.MaxInt32 {
      req.MaxResults = proto.Uint32(math.MaxInt32)
    } else if pageSize != 0 {
      req.MaxResults = proto.Uint32(uint32(pageSize))
    }
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
      return nil, "", err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

    params := url.Values{ }
    if req != nil && req.Filter != nil {
      params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
    }
    if req != nil && req.MaxResults != nil {
      params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
    }
    if req != nil && req.OrderBy != nil {
      params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
    }
  }
}

```

```

if req != nil && req.PageToken != nil {
    params.Add("pageToken", fmt.Sprintf("%v",
req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
    params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
headers := buildHeaders(ctx, c.xGoogMetadata, metadata.Pairs("Content-Type", "application/json"))
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return
    }
err
}

return nil
}, opts...)
if e != nil {
    return nil, "", e
}
it.Response = resp

```

```

return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
if err != nil {
return "", err
}
it.items = append(it.items, items...)
return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
m := protojson.MarshalOptions{ AllowPartial:
true}
body := req.GetGlobalSetPolicyRequestResource()
jsonReq, err := m.Marshal(body)
if err != nil {
return nil, err
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{}

```

```

e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path
    != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unmarshal(buf, resp); err != nil {
        return err
    }

    return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {

```

```

return nil, err
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

// Build HTTP headers from client and context metadata.
md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)], opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
resp := &computepb.TestPermissionsResponse{ }
e
:= gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {

```



```

    return err
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
    items []*computepb.License
    pageInfo *iterator.PageInfo
    nextFunc func() error

    // Response is the raw response for the current page.
    // It
    // must be cast to the RPC response type.
    // Calling Next() or InternalFetch() updates this value.
    Response interface{ }

    // InternalFetch is for use by the Google Cloud Libraries only.
    // It is not part of the stable interface of this package.
    //
    // InternalFetch returns results from a single call to the underlying RPC.
    // The number of results is no greater than pageSize.
    // If there are no more results, nextPageToken is empty and err is nil.
    InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
    return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator) Next() (*computepb.License, error) {
    var item *computepb.License
    if
    err := it.nextFunc(); err != nil {
        return item, err
    }
    item = it.items[0]
    it.items = it.items[1:]
    return item, nil
}

```

```
}

func (it *LicenseIterator) bufLen() int {
    return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
    b := it.items
    it.items = nil
    return b
}
```

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package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "cloud.google.com/go/compute/apiv1/computepb"
    "google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will
    require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()
}

```

```

// TODO: Use client.
_ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.DeleteLicenseRequest{
        //
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#DeleteLicenseRequest.
    }
    op, err := c.Delete(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }

    err = op.Wait(ctx)
    if err != nil {
        // TODO: Handle error.
    }
}

func ExampleLicensesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseRequest{

```



```

// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetLicenseRequest.
}
resp,
err := c.Get(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.GetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetIamPolicyLicenseRequest.
}
resp, err := c.GetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Insert()
{
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}

```

```

}
defer c.Close()

req := &computepb.InsertLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#InsertLicenseRequest.
}
op, err := c.Insert(ctx, req)
if err != nil {
// TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
// TODO: Handle error.
}
}

func ExampleLicensesClient_List() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template
// only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.ListLicensesRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
resp, err := it.Next()
if err == iterator.Done {
break
}
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
}

```

```

}

func ExampleLicensesClient_SetIamPolicy() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range
    values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.SetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#SetIamPolicyLicenseRequest.
    }
    resp, err := c.SetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown
    in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#TestIamPermissionsLicenseRequest.
    }
    resp, err := c.TestIamPermissions(ctx, req)
    if err != nil {

```

```

// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    //
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}

```

```

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request
        struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.TestIamPermissionsLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#TestIamPermissionsLicenseCodeRequest.
    }
    resp,
    err := c.TestIamPermissions(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

// TODO: Use resp.
_ = resp
}
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package compute

import (
    "bytes"
    "context"
    "fmt"
    "io"
    "net/http"
    "net/url"
    "time"

    computepb "cloud.google.com/go/compute/apiv1/computepb"
    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
)

var
newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
    Get []gax.CallOption
    TestIamPermissions []gax.CallOption

```

```

}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
return &LicenseCodesCallOptions{
Get: []gax.CallOption{
gax.WithTimeout(600000 * time.Millisecond),
gax.WithRetry(func() gax.Retryer {
return gax.OnHTTPCodes(gax.Backoff{
Initial: 100 * time.Millisecond,
Max: 60000 * time.Millisecond,
Multiplier: 1.30,
}),
http.StatusGatewayTimeout,
http.StatusServiceUnavailable)
}),
},
TestIamPermissions: []gax.CallOption{
gax.WithTimeout(600000 * time.Millisecond),
},
}
}

// internalLicenseCodesClient is an interface that defines the methods available from Google
// Compute Engine API.
type internalLicenseCodesClient interface {
Close() error
setGoogleClientInfo(...string)
Connection() *grpc.ClientConn
Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
(*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
// The internal transport-dependent client.
internalClient internalLicenseCodesClient

// The call options for this service.
CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

```

```

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func
(c *LicenseCodesClient) Close() error {
return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption)
(*computepb.LicenseCode, error) {
return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
// intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
type licenseCodesRESTClient struct {
// The http endpoint to connect to.
endpoint string

// The http client.
httpClient *http.Client

```



```

// The x-goog-* metadata to be sent with each request.
xGoogMetadata metadata.MD

// Points back to the CallOptions field of the containing LicenseCodesClient
CallOptions **LicenseCodesCallOptions
}

//
NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }

    callOpts := defaultLicenseCodesRESTCallOptions()
    c := &licenseCodesRESTClient{
        endpoint:    endpoint,
        httpClient:  httpClient,
        CallOptions: &callOpts,
    }
    c.setGoogleClientInfo()

    return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
    return []option.ClientOption{
        internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
        internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
        internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
        internaloption.WithDefaultScopes(DefaultAuthScopes()...),
    }
}

//
setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
    kv = append(kv, "gapi", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

```

```

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
    return nil
}

// Get return
// a specified license code. License codes are mirrored across all projects that have permissions to read the License
// Code. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace
// images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

    // Build HTTP headers from client and context metadata.
    md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode())))

    headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
    opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)],
opts...)
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.LicenseCode{}
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

```

```

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by
third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

    // Build HTTP headers from client and context metadata.

```

```

md := metadata.Pairs("x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource())))

headers := buildHeaders(ctx, c.xGoogMetadata, md, metadata.Pairs("Content-Type", "application/json"))
opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
resp := &computepb.TestPermissionsResponse{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
return err
}

return nil
}, opts...)
if e != nil {
return nil, e
}
return resp, nil
}

```

# 1.685 azure-azure-sdk-for-go-sdk-azcore 1.6.1

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Alex A. Skinner

Andrew Tunnell-Jones

Ask Bjrn Hansen

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Data model artifacts for Prometheus.

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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```

package spec

```
// License information for the exposed API.  
//  
// For more information: http://goo.gl/8us55a#licenseObject  
type License struct {  
    Name string `json:"name,omitempty"`  
    URL string `json:"url,omitempty"`  
}
```

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Support for streaming Protocol Buffer messages for the Go language (golang).

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# 1.690 grafana-grafana-plugin-sdk-go 0.157.0

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## 1.699 urfave-cli 2.25.0

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## 1.702 go-mssqldb 0.9.1

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## 1.703 libstd-c 10.5.0-1ubuntu1~20.04

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## 1.704 iotop 0.6-24-g733f3f8-1ubuntu0.1

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## 1.705 busybox 1.36.1-r5

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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# 1.720 libproc2 4.0.4-r0

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# 1.722 robot-infra-tyk 1.0.1-0.20230503063011-2050d5b28bc0

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compiler/cpp/src/generate/t\_st\_generator.cc  
compiler/cpp/src/generate/t\_xsd\_generator.cc  
compiler/cpp/src/main.cc  
compiler/cpp/src/parse/t\_field.h  
compiler/cpp/src/parse/t\_program.h  
compiler/cpp/src/platform.h  
compiler/cpp/src/thrift.ll  
compiler/cpp/src/thrift.yy  
lib/csharp/src/Protocol/TBinaryProtocol.cs  
lib/csharp/src/Protocol/TField.cs  
lib/csharp/src/Protocol/TList.cs  
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lib/csharp/src/Protocol/TMessage.cs  
lib/csharp/src/Protocol/TMessageType.cs  
lib/csharp/src/Protocol/TProtocol.cs  
lib/csharp/src/Protocol/TProtocolException.cs  
lib/csharp/src/Protocol/TProtocolFactory.cs  
lib/csharp/src/Protocol/TProtocolUtil.cs  
lib/csharp/src/Protocol/TSet.cs  
lib/csharp/src/Protocol/TStruct.cs  
lib/csharp/src/Protocol/TType.cs  
lib/csharp/src/Server/TServer.cs  
lib/csharp/src/Server/TSimpleServer.cs  
lib/csharp/src/Server/TThreadPoolServer.cs  
lib/csharp/src/TApplicationException.cs  
lib/csharp/src/Thrift.csproj  
lib/csharp/src/Thrift.sln  
lib/csharp/src/TProcessor.cs  
lib/csharp/src/Transport/TServerSocket.cs  
lib/csharp/src/Transport/TServerTransport.cs  
lib/csharp/src/Transport/TSocket.cs  
lib/csharp/src/Transport/TStreamTransport.cs  
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lib/csharp/src/Transport/TTransportException.cs  
lib/csharp/src/Transport/TTransportFactory.cs  
lib/csharp/ThriftMSBuildTask/Properties/AssemblyInfo.cs  
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lib/csharp/ThriftMSBuildTask/ThriftMSBuildTask.csproj  
lib/rb/lib/thrift.rb  
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test/OptionalRequiredTest.cpp  
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/\*

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BSON library for Go

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mgo - MongoDB driver for Go

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Anton Povarov <anton.povarov@gmail.com>

Brian Goff <cpuguy83@gmail.com>

Clayton Coleman <ccoleman@redhat.com>

Denis Smirnov <denis.smirnov.91@gmail.com>

DongYun Kang <ceram1000@gmail.com>

Dwayne Schultz <dschultz@pivotal.io>

Georg Apitz <gapitz@pivotal.io>

Gustav Paul <gustav.paul@gmail.com>

Johan Brandhorst <johan.brandhorst@gmail.com>

John Shahid <jvshahid@gmail.com>

John Tuley <john@tuley.org>

Laurent <laurent@adyoulike.com>

Patrick Lee <patrick@dropbox.com>

Sergio Arbo <serabe@gmail.com>

Stephen J Day <stephen.day@docker.com>

Tamir Duberstein <tamird@gmail.com>

Todd Eisenberger <teisenberger@dropbox.com>

Tormod Erevik Lea <tormodlea@gmail.com>

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Dustin Sallings <dustin@spy.net>

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=====

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## 1.726 zap 1.26.0

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## 1.727 google-uuid 1.3.1

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Paul Borman <borman@google.com>

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## 1.728 openssl 3.1.3-r0

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```
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under certain conditions; type `show c' for details.
```

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```
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program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute
```

```
import (
    "bytes"
    "context"
    "fmt"
    "io"
    "math"
    "net/http"
    "net/url"
    "time"

    computepb "cloud.google.com/go/compute/apiv1/computepb"
    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport
    "google.golang.org/api/transport/http"
    "google.golang.org/grpc"
    "google.golang.org/protobuf/encoding/protojson"
    "google.golang.org/protobuf/proto"
)

var newLicensesClientHook clientHook

// LicensesCallOptions contains the retry settings for each method of LicensesClient.
```

```

type LicensesCallOptions struct {
    Delete      []gax.CallOption
    Get         []gax.CallOption
    GetIamPolicy []gax.CallOption
    Insert      []gax.CallOption
    List        []gax.CallOption
    SetIamPolicy []gax.CallOption
    TestIamPermissions []gax.CallOption
}

func defaultLicensesRESTCallOptions() *LicensesCallOptions {
    return &LicensesCallOptions{
        Delete: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
        },
        Get: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{
                    Initial: 100 * time.Millisecond,
                    Max:     60000 * time.Millisecond,
                    Multiplier: 1.30,
                },
                    http.StatusGatewayTimeout,
                    http.StatusServiceUnavailable)
            }),
        },
        GetIamPolicy:
        []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{
                    Initial: 100 * time.Millisecond,
                    Max:     60000 * time.Millisecond,
                    Multiplier: 1.30,
                },
                    http.StatusGatewayTimeout,
                    http.StatusServiceUnavailable)
            }),
        },
        Insert: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
        },
        List: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{
                    Initial: 100 * time.Millisecond,

```

```

    Max:    60000 * time.Millisecond,
    Multiplier: 1.30,
  },
  http.StatusGatewayTimeout,
  http.StatusServiceUnavailable)
}),
},
SetIamPolicy: []gax.CallOption{
  gax.WithTimeout(600000 * time.Millisecond),
},
TestIamPermissions: []gax.CallOption{
  gax.WithTimeout(600000
* time.Millisecond),
},
}
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
  Close() error
  setGoogleClientInfo(...string)
  Connection() *grpc.ClientConn
  Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
  Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption) (*computepb.License, error)
  GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
  error)
  Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
  List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
  SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
  error)
  TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
  (*computepb.TestPermissionsResponse,
  error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The Licenses API.
type LicensesClient struct {
  // The internal transport-dependent client.
  internalClient internalLicensesClient

  // The call options for this service.
  CallOptions *LicensesCallOptions
}

```



```

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

//
// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicensesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy
// for a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
// third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
// party partners who are creating Cloud Marketplace images.

```

```
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Insert(ctx, req, opts...)
}
```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
    return c.internalClient.List(ctx, req, opts...)
}
```

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.SetIamPolicy(ctx, req, opts...)
}
```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use

only by third-party partners who are creating Cloud Marketplace images.

```
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}
```

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

```
type licensesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string
```

// The http client.

```
httpClient *http.Client
```

// operationClient is used to call the operation-specific management service.

```
operationClient *GlobalOperationsClient
```

// The x-goog-\* headers to be sent with each request.

```
xGoogHeaders []string
```

// Points back to the CallOptions field of the containing LicensesClient

```
CallOptions **LicensesCallOptions
```

```

}

// NewLicensesRESTClient creates a new licenses rest client.
//
// The Licenses API.
func NewLicensesRESTClient(ctx
context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
if err != nil {
return nil, err
}

callOpts := defaultLicensesRESTCallOptions()
c := &licensesRESTClient{
endpoint: endpoint,
httpClient: httpClient,
CallOptions: &callOpts,
}
c.setGoogleClientInfo()

o := []option.ClientOption{
option.WithHTTPClient(httpClient),
option.WithEndpoint(endpoint),
}
opC, err := NewGlobalOperationsRESTClient(ctx, o...)
if err != nil {
return nil, err
}
c.operationClient = opC

return &LicensesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicensesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {

```

```

kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
kv = append(kv, "gapic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
if err := c.operationClient.Close(); err != nil {
return err
}
return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns
// nil.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
// creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

params := url.Values{ }
if req != nil && req.RequestId != nil {
params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

hds = append(c.xGoogHeaders, hds...)
hds

```

```

= append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Delete[0:len((*c.CallOptions).Delete):len((*c.CallOptions).Delete)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return err
    }

    if err := unm.Unmarshal(buf, resp); err != nil {
        return err
    }

    return nil
}, opts...)
if e != nil
{
    return nil, e
}
op := &Operation{
    &globalOperationsHandle{
        c:    c.operationClient,
        proto: resp,
        project: req.GetProject(),
    },
}

```

```

return op, nil
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
// who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    // Build HTTP headers from client and context metadata.
    hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
    url.QueryEscape(req.GetProject()), "license", url.QueryEscape(req.GetLicense()))}

    hds = append(c.xGoogHeaders, hds...)
    hds = append(hds, "Content-Type", "application/json")
    headers := gax.BuildHeaders(ctx,
    hds...)
    opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.License{}
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

        httpRsp, err := c.httpClient.Do(httpReq)
        if err != nil {
            return err
        }
        defer httpRsp.Body.Close()

        if err = googleapi.CheckResponse(httpRsp); err != nil {
            return err
        }

        buf, err := io.ReadAll(httpRsp.Body)
        if err != nil {
            return err
        }
    })
    if e != nil {
        return nil, e
    }
    return resp, nil
}

```

```

}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// GetIamPolicy gets the access control policy for
// a resource. May be empty if no such policy or resource exists. Caution This resource is intended for use only by
// third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

    params := url.Values{ }
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

    baseUrl.RawQuery = params.Encode()

    // Build HTTP headers from client and context metadata.
    hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

    hds
    = append(c.xGoogHeaders, hds...)
    hds = append(hds, "Content-Type", "application/json")
    headers := gax.BuildHeaders(ctx, hds...)
    opts =
append((*c.CallOptions).GetIamPolicy[0:len((*c.CallOptions).GetIamPolicy):len((*c.CallOptions).GetIamPolicy)],
opts...)
    unmarshal := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    resp := &computepb.Policy{ }
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {

```

```

    baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {
    return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return
nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
}

```



```

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
    return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{ }
if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("s=%v",
"project", url.QueryEscape(req.GetProject()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Insert[0:len((*c.CallOptions).Insert):len((*c.CallOptions).Insert)], opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &compute.Operation{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
    if err != nil {
        return err
    }
    httpReq = httpReq.WithContext(ctx)
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return
    }

```

```

err
}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
op := &Operation{
    &globalOperationsHandle{
        c:    c.operationClient,
        proto: resp,
        project: req.GetProject(),
    },
}
return op, nil
}

```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```

func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
    it := &LicenseIterator{}
    req = proto.Clone(req).(*computepb.ListLicensesRequest)
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
        resp := &computepb.LicensesListResponse{}
        if pageToken != "" {
            req.PageToken = proto.String(pageToken)
        }
        if pageSize > math.MaxInt32 {
            req.MaxResults = proto.Uint32(math.MaxInt32)
        } else if pageSize != 0 {
            req.MaxResults = proto.Uint32(uint32(pageSize))
        }
        baseUrl, err := url.Parse(c.endpoint)
        if err != nil {
            return nil, "", err
        }
        baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())
    }
}

```

```

params := url.Values{}
if req != nil && req.Filter != nil {
    params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
}
if req != nil && req.MaxResults != nil {
    params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
}
if req != nil && req.OrderBy != nil {
    params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
}
if req !=
nil && req.PageToken != nil {
    params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
}
if req != nil && req.ReturnPartialSuccess != nil {
    params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
}

baseUrl.RawQuery = params.Encode()

// Build HTTP headers from client and context metadata.
hds := append(c.xGoogHeaders, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
    if settings.Path != "" {
        baseUrl.Path = settings.Path
    }
    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return err
    }
    httpReq.Header = headers

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return err
    }

    buf, err := io.ReadAll(httpRsp.Body)
    if err != nil {
        return
    }

```

```

err
}

if err := unm.Unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if e != nil {
    return nil, "", e
}
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest,
opts ...gax.CallOption)
(*computepb.Policy, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetGlobalSetPolicyRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }

```

```

baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts =
append((*c.CallOptions).SetIamPolicy[0:len((*c.CallOptions).SetIamPolicy):len((*c.CallOptions).SetIamPolicy)],
opts...)
unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.Policy{}
e
:= gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
return err
}

return nil
}, opts...)

```

```

if e != nil {
    return nil, e
}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) TestIamPermissions(ctx
context.Context, req *computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    m := protojson.MarshalOptions{ AllowPartial: true }
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

    // Build HTTP headers from client and context metadata.
    hds := []string{"x-goog-request-params", fmt.Sprintf("s=%v&s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

    hds = append(c.xGoogHeaders, hds...)
    hds = append(hds, "Content-Type", "application/json")
    headers := gax.BuildHeaders(ctx, hds...)
    opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
opts...)
    unmarshal := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
    resp := &computepb.TestPermissionsResponse{}
    e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
        if settings.Path != "" {
            baseUrl.Path = settings.Path
        }
        httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
        if err != nil {
            return err
        }
        httpReq = httpReq.WithContext(ctx)
        httpReq.Header = headers

```

```

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}
// Copyright 2023 Google LLC
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// https://www.apache.org/licenses/LICENSE-2.0
//
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// distributed under the License is distributed on an "AS IS" BASIS,
// WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
// See the License for the specific language governing permissions and
// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.

package compute

import (
    "bytes"
    "context"

```

```

"fmt"
"io"
"net/http"
"net/url"
"time"

computepb "cloud.google.com/go/compute/apiv1/computepb"
gax "github.com/googleapis/gax-go/v2"
"google.golang.org/api/googleapi"
"google.golang.org/api/option"
"google.golang.org/api/option/internaloption"
httptransport "google.golang.org/api/transport/http"
"google.golang.org/grpc"
"google.golang.org/protobuf/encoding/protojson"
)

var
newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
    Get []gax.CallOption
    TestIamPermissions []gax.CallOption
}

func defaultLicenseCodesRESTCallOptions() *LicenseCodesCallOptions {
    return &LicenseCodesCallOptions{
        Get: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
            gax.WithRetry(func() gax.Retryer {
                return gax.OnHTTPCodes(gax.Backoff{
                    Initial: 100 * time.Millisecond,
                    Max: 60000 * time.Millisecond,
                    Multiplier: 1.30,
                },
                    http.StatusGatewayTimeout,
                    http.StatusServiceUnavailable)
            }),
        },
        TestIamPermissions: []gax.CallOption{
            gax.WithTimeout(600000 * time.Millisecond),
        },
    }
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient

```



```

interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

    // The call options for this service.
    CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient)
    Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated: Connections are now pooled so this method does not always
// return the same resource.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud

```

Marketplace images.

```
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode,
error) {
return c.internalClient.Get(ctx, req, opts...)
}
```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
return c.internalClient.TestIamPermissions(ctx, req, opts...)
}
```

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

```
type licenseCodesRESTClient struct {
// The http endpoint to connect to.
endpoint string
```

```
// The http client.
httpClient *http.Client
```

```
// The x-goog-* headers to be sent with each request.
xGoogHeaders []string
```

```
// Points back to the CallOptions field of the containing LicenseCodesClient
CallOptions **LicenseCodesCallOptions
}
```

```
// NewLicenseCodesRESTClient
creates a new license codes rest client.
```

```
//
```

```
// The LicenseCodes API.
```

```
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
if err != nil {
return nil, err
}
```

```
callOpts := defaultLicenseCodesRESTCallOptions()
```

```
c := &licenseCodesRESTClient{
endpoint: endpoint,
httpClient: httpClient,
CallOptions: &callOpts,
}
```

```

c.setGoogleClientInfo()

return &LicenseCodesClient{internalClient: c, CallOptions: callOpts}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
    internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
    internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
    internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
    internaloption.WithDefaultScopes(DefaultAuthScopes()),
}
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
    kv := append([]string{"gl-go", gax.GoVersion}, keyval...)
    kv = append(kv, "gpic", getVersionClient(), "gax", gax.Version, "rest", "UNKNOWN")
    c.xGoogHeaders = []string{"x-goog-api-client", gax.XGoogHeader(kv...)}
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
    // Replace httpClient with nil to force cleanup.
    c.httpClient = nil
    return nil
}

// Connection returns a connection to the API service.
//
// Deprecated: This method always returns nil.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
    return nil
}

// Get return a specified license code. License codes are
// mirrored across all projects that have permissions to read the License Code. Caution This resource is intended for
// use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
    baseUrl, err := url.Parse(c.endpoint)
    if err != nil {
        return nil, err
    }
}

```

```

baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "license_code", url.QueryEscape(req.GetLicenseCode()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts = append((*c.CallOptions).Get[0:len((*c.CallOptions).Get):len((*c.CallOptions).Get)], opts...)
unm
:= protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
resp := &computepb.LicenseCode{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
return err
}

if err := unm.Unmarshal(buf, resp); err != nil {
return err
}

return nil
}, opts...)
if e != nil {
return nil, e

```

```

}
return resp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
m := protojson.MarshalOptions{ AllowPartial: true }
body := req.GetTestPermissionsRequestResource()
jsonReq, err := m.Marshal(body)
if err != nil {
return nil, err
}

baseUrl, err := url.Parse(c.endpoint)
if err != nil {
return nil, err
}
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

// Build HTTP headers from client and context metadata.
hds := []string{"x-goog-request-params", fmt.Sprintf("%s=%v&%s=%v", "project",
url.QueryEscape(req.GetProject()), "resource", url.QueryEscape(req.GetResource()))}

hds = append(c.xGoogHeaders, hds...)
hds = append(hds, "Content-Type", "application/json")
headers := gax.BuildHeaders(ctx, hds...)
opts =
append((*c.CallOptions).TestIamPermissions[0:len((*c.CallOptions).TestIamPermissions):len((*c.CallOptions).Tes
tIamPermissions)],
opts...)
unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
resp := &computepb.TestPermissionsResponse{ }
e := gax.Invoke(ctx, func(ctx context.Context, settings gax.CallSettings) error {
if settings.Path != "" {
baseUrl.Path = settings.Path
}
httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return err
}
httpReq = httpReq.WithContext(ctx)
httpReq.Header = headers

```

```

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return err
}

buf, err := io.ReadAll(httpRsp.Body)
if err != nil {
    return err
}

if err := unmarshal(buf, resp); err != nil {
    return err
}

return nil
}, opts...)
if e != nil {
    return nil, e
}
return resp, nil
}

```

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// Code generated by protoc-gen-go\_gapic. DO NOT EDIT.

package compute\_test

import (  
"context"

compute "cloud.google.com/go/compute/apiv1"

computepb "cloud.google.com/go/compute/apiv1/computepb"

```

"google.golang.org/api/iterator"
)

func ExampleNewLicensesRESTClient() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will
    require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use client.
    _ = c
}

func ExampleLicensesClient_Delete() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.DeleteLicenseRequest{
        //
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#DeleteLicenseRequest.
    }
    op, err := c.Delete(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }

    err = op.Wait(ctx)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

}

func ExampleLicensesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetLicenseRequest.
    }
    resp,
    err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_GetIamPolicy() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    //   https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetIamPolicyLicenseRequest.
    }
    resp, err := c.GetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
}

```

```

}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Insert()
{
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &compute.InsertLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#InsertLicenseRequest.
}
op, err := c.Insert(ctx, req)
if err != nil {
// TODO: Handle error.
}

err = op.Wait(ctx)
if err != nil {
// TODO: Handle error.
}
}

func ExampleLicensesClient_List() {
ctx := context.Background()
// This snippet has been automatically generated and should be regarded as a code template
only.
// It will require modifications to work:
// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

```

```

req := &computepb.ListLicensesRequest{
    // TODO: Fill request struct fields.
    // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
    resp, err := it.Next()
    if err == iterator.Done {
        break
    }
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}
}

func ExampleLicensesClient_SetIamPolicy() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range
    values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.SetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#SetIamPolicyLicenseRequest.
    }
    resp, err := c.SetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:

```

```

// - It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown
in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/computepb#TestIamPermissionsLicenseRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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package compute_test

import (
"context"

compute "cloud.google.com/go/compute/apiv1"
computepb "cloud.google.com/go/compute/apiv1/computepb"
)

func ExampleNewLicenseCodesRESTClient() {
ctx := context.Background()

```



```

// This snippet has been automatically generated and should be regarded as a code template only.
// It will require modifications to work:
//
- It may require correct/in-range values for request initialization.
// - It may require specifying regional endpoints when creating the service client as shown in:
// https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()

// TODO: Use client.
_ = c
}

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:
    // https://pkg.go.dev/cloud.google.com/go#hdr-Client\_Options
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request
        struct fields.
        // See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()
    // This snippet has been automatically generated and should be regarded as a code template only.
    // It will require modifications to work:
    // - It may require correct/in-range values for request initialization.
    // - It may require specifying regional endpoints when creating the service client as shown in:

```

```

// https://pkg.go.dev/cloud.google.com/go#hdr-Client_Options
c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/cloud.google.com/go/compute/apiv1/compute#TestIamPermissionsLicenseCodeRequest.
}
resp,
err := c.TestIamPermissions(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

```

# 1.730 gopkg.in-yaml 2.4.0

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# 1.731 google-golang-org-genproto 0.0.0-20230822172742-b8732ec3820d

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# 1.732 glibc 2.31-0ubuntu9.12

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## 1.733 python3-pycache-pyc0 3.11.6-r0

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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, 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 <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  |            |                     |
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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

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|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
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| 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                 |
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## 1.741 python 3.11.6-r0

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## 1.742 gosnmp 1.31.0

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## 1.743 spew 1.1.1

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## 1.744 gojsonreference 0.0.0-20180127040603-bd5ef7bd5415

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# 1.745 grpc-gateway 1.16.0

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## 1.746 logrus 1.9.0

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# 1.747 grafana-xorm 0.8.3-0.20220614223926-2fcda7565af6

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# 1.748 grafana-saml 0.4.13-0.20230331080031-67cbfa09c7b6

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# 1.749 spinillos-oapi-codegen 1.12.5-0.20230206122001-6a05ca88e18e

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Ada Worcester  
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Andre McCurdy  
Andrew Kelley  
Anthony G. Basile  
Aric Belsito  
Arvid Picciani  
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Emil Renner Berthing  
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Felix Fietkau  
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Authors/contributors include:

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Ada Worcester  
Alex Dowad  
Alex Suykov  
Alexander Monakov  
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Anthony G. Basile  
Aric Belsito  
Arvid Picciani  
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Drew DeVault  
Emil Renner Berthing  
Fangrui Song  
Felix Fietkau

Felix Janda  
Gianluca Anzolin  
Hauke Mehtens  
He X  
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Leah Neukirchen  
Luca Barbato  
Luka  
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M Farkas-Dyck (Strake)  
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-----  
Authors/contributors include:

A. Wilcox

Ada Worcester  
Alex Dowad  
Alex Suykov  
Alexander Monakov  
Andre McCurdy  
Andrew Kelley  
Anthony G. Basile  
Aric Belsito  
Arvid Picciani  
Bartosz Brachaczek  
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Emil Renner Berthing  
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Felix Fietkau  
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Jaydeep Patil  
Jens Gustedt  
Jeremy Huntwork  
Jo-Philipp Wich  
Joakim Sindholt  
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Perkov  
M Farkas-Dyck (Strake)  
Mahesh Bodapati  
Markus Wichmann  
Masanori Ogin  
Michael Clark  
Michael Forney  
Mikhail Kremnyov  
Natanael Copa  
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```

```
Alex Legg <alexlegg@google.com>
```

```
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```

```
Eric Buth <eric@topos.com>
```

```
Jan Mercl <0xjnm1@gmail.com>
```

```
Jonathan Swinney <jswinney@amazon.com>
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Nigel Tao <nigeltao@golang.org>  
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)



in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 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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```

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## 1.773 python-pip 23.2.1

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v

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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 <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, 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 <https://opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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### 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

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |
| 3.0            | 2.6          | 2008      | PSF        | yes                 |
| 3.0.1          | 3.0          | 2009      | PSF        | yes                 |
| 3.1            | 3.0.1        | 2009      | PSF        | yes                 |
| 3.1.1          | 3.1          | 2009      | PSF        | yes                 |
| 3.1.2          | 3.1          | 2010      | PSF        | yes                 |

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## 1.774 python-pip 23.1.2

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v

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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>)

in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
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|-------|-------|------|-----|-----|
| 2.5.1 | 2.5   | 2007 | PSF | yes |
| 2.5.2 | 2.5.1 | 2008 | PSF | yes |
| 2.5.3 | 2.5.2 | 2008 | PSF | yes |
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| 2.6.1 | 2.6   | 2008 | PSF | yes |
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| 2.6.4 | 2.6.3 | 2009 | PSF | yes |
| 2.6.5 | 2.6.4 | 2010 | PSF | yes |
| 3.0   | 2.6   | 2008 | PSF | yes |
| 3.0.1 | 3.0   | 2009 | PSF | yes |
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| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 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  |            |                     |
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# 1.775 python-pip 20.0.2

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contextlib2 is a derivative of the contextlib module distributed by the PSF as part of the Python standard library. According, it is itself redistributed under the PSF license (reproduced in full below). As the contextlib module was added only in Python 2.5, the licenses for earlier Python versions are not applicable and have not been included.

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



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| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---------|--------------|------|-------|---------------------|
| 2.5     | 2.4          | 2006 | PSF   | yes                 |
| 2.5.1   | 2.5          | 2007 | PSF   | yes                 |
| 2.5.2   | 2.5.1        | 2008 | PSF   | yes                 |
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| 2.6     | 2.5          | 2008 | PSF   | yes                 |
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| 2.6.3   | 2.6.2        | 2009 | PSF   | yes                 |
| 2.6.4   | 2.6.3        | 2009 | PSF   | yes                 |
| 2.6.5   | 2.6.4        | 2010 | PSF   | yes                 |
| 3.0     | 2.6          | 2008 | PSF   | yes                 |
| 3.0.1   | 3.0          | 2009 | PSF   | yes                 |
| 3.1     | 3.0.1        | 2009 | PSF   | yes                 |
| 3.1.1   | 3.1          | 2009 | PSF   | yes                 |
| 3.1.2   | 3.1.1        | 2010 | PSF   | yes                 |
| 3.1.3   | 3.1.2        | 2010 | PSF   | yes                 |
| 3.1.4   | 3.1.3        | 2011 | PSF   | yes                 |
| 3.2     | 3.1          | 2011 | PSF   | yes                 |
| 3.2.1   | 3.2          | 2011 | PSF   | yes                 |
| 3.2.2   | 3.2.1        | 2011 | PSF   | yes                 |
| 3.3     | 3.2          |      |       |                     |
| 2012    | PSF          | yes  |       |                     |

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## A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |



|       |       |           |     |     |
|-------|-------|-----------|-----|-----|
| 2.3.2 | 2.3.1 | 2002-2003 | PSF | yes |
| 2.3.3 | 2.3.2 | 2002-2003 | PSF | yes |
| 2.3.4 | 2.3.3 | 2004      | PSF | yes |
| 2.3.5 | 2.3.4 | 2005      | PSF | yes |
| 2.4   | 2.3   | 2004      | PSF | yes |
| 2.4.1 | 2.4   | 2005      | PSF | yes |
| 2.4.2 | 2.4.1 | 2005      | PSF | yes |
| 2.4.3 | 2.4.2 | 2006      | PSF | yes |
| 2.4.4 | 2.4.3 | 2006      | PSF | yes |
| 2.5   | 2.4   | 2006      | PSF | yes |
| 2.5.1 | 2.5   | 2007      | PSF | yes |
| 2.5.2 | 2.5.1 | 2008      | PSF | yes |
| 2.5.3 | 2.5.2 | 2008      | PSF | yes |
| 2.6   | 2.5   | 2008      | PSF | yes |
| 2.6.1 | 2.6   | 2008      | PSF | yes |
| 2.6.2 | 2.6.1 | 2009      | PSF | yes |
| 2.6.3 | 2.6.2 | 2009      | PSF | yes |
| 2.6.4 | 2.6.3 | 2009      | PSF | yes |
| 2.6.5 | 2.6.4 | 2010      | PSF | yes |
| 3.0   | 2.6   | 2008      | PSF | yes |
| 3.0.1 | 3.0   | 2009      | PSF | yes |
| 3.1   | 3.0.1 | 2009      | PSF | yes |
| 3.1.1 | 3.1   | 2009      | PSF | yes |
| 3.1.2 | 3.1   | 2010      | PSF | yes |
| 3.2   | 3.1   | 2010      | PSF | yes |

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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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file (certdata.txt). This file can be found in the mozilla source tree:  
<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>  
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can be directly used with curl / libcurl / php\_curl, or with  
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# 1.776 paramiko 2.11.0

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Version 2.1, February 1999

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## 1.777 python-certifi 2023.7.22

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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

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@(#) \$RCSfile: certdata.txt,v

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This package contains a modified version of ca-bundle.crt:

ca-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:

<https://hg.mozilla.org/mozilla-central/file/tip/security/nss/lib/ckfw/builtins/certdata.txt>

It contains the certificates in PEM format and therefore

can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication. Just configure this file as the SSLCACertificateFile.#

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@(#) \$RCSfile: certdata.txt,v

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## 1.779 python-setuptools 44.0.0

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bzip2/libbzip2 version 1.0.4 of 20 December 2006

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## 1.792 ansible 2.10.7

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bugfixes:

- "Prevent templating unused variables for {% include %} (<https://github.com/ansible/ansible/issues/68699>)"

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# Test code for the vcenter license module.

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- when: vcsim is not defined

block:

- name: Add a vCenter evaluation license

vcenter\_license: &vcenter\_lic\_data

hostname: "{{ vcenter\_hostname }}"

username: "{{ vcenter\_username }}"

password: "{{ vcenter\_password }}"

validate\_certs: false

license: 00000-00000-00000-00000-00000

state: present

- name: Remove an (unused) vCenter evaluation license

vcenter\_license:

<<: \*vcenter\_lic\_data

state: absent

- name: Add an invalid vCenter license

vcenter\_license:

<<: \*vcenter\_lic\_data

license: 00000-00000-00000-00000-00001

state: present

register: vcenter\_license\_output

failed\_when: "'is not existing or can not be added' not in vcenter\_license\_output.msg'

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minor\_changes:

- Remove license key from galaxy.yml.

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

- lib/gssapi/generic/gssapi\_err\_generic.et
- lib/gssapi/mechglue/g\_accept\_sec\_context.c
- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c
- lib/gssapi/mechglue/g\_inquire\_names.c
- lib/gssapi/mechglue/g\_process\_context.c
- lib/gssapi/mechglue/g\_rel\_buffer.c
- lib/gssapi/mechglue/g\_rel\_cred.c
- lib/gssapi/mechglue/g\_rel\_name.c
- lib/gssapi/mechglue/g\_rel\_oid\_set.c
- lib/gssapi/mechglue/g\_seal.c
- lib/gssapi/mechglue/g\_sign.c
- lib/gssapi/mechglue/g\_store\_cred.c

lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/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  
slave/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c

lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/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  
slave/kproplog.c

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lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c

lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
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lib/gssapi/spnego/gssapiP\_spnego.h  
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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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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  
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lib/gssapi/mechglue/g\_store\_cred.c  
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lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

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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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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/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropr\_rpc.c  
slave/kproplog.c

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Tipp Moseley <tipp@google.com>

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```
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under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program `Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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# 1.820 otel-metric 1.18.0

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```
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it
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```
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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source



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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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| Release | Derived from | Year | Owner | GPL-compatible? (1) |
|---------|--------------|------|-------|---------------------|
| 2.5     | 2.4          | 2006 | PSF   | yes                 |
| 2.5.1   | 2.5          | 2007 | PSF   | yes                 |
| 2.5.2   | 2.5.1        | 2008 | PSF   | yes                 |
| 2.5.3   | 2.5.2        | 2008 | PSF   | yes                 |
| 2.6     | 2.5          | 2008 | PSF   | yes                 |
| 2.6.1   | 2.6          | 2008 | PSF   | yes                 |
| 2.6.2   | 2.6.1        | 2009 | PSF   | yes                 |
| 2.6.3   | 2.6.2        | 2009 | PSF   | yes                 |
| 2.6.4   | 2.6.3        | 2009 | PSF   | yes                 |
| 2.6.5   | 2.6.4        | 2010 | PSF   | yes                 |
| 3.0     | 2.6          | 2008 | PSF   | yes                 |
| 3.0.1   | 3.0          | 2009 | PSF   | yes                 |
| 3.1     | 3.0.1        | 2009 | PSF   | yes                 |
| 3.1.1   | 3.1          | 2009 | PSF   | yes                 |
| 3.1.2   | 3.1.1        | 2010 | PSF   | yes                 |
| 3.1.3   | 3.1.2        | 2010 | PSF   | yes                 |
| 3.1.4   | 3.1.3        | 2011 | PSF   | yes                 |



|       |       |      |     |     |
|-------|-------|------|-----|-----|
| 3.2   | 3.1   | 2011 | PSF | yes |
| 3.2.1 | 3.2   | 2011 | PSF | yes |
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| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.2            | 2.1.1        | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          |              |           |            |                     |
| 2.1.2          | 2002         | PSF       | yes        |                     |
| 2.2.1          | 2.2          | 2002      | PSF        | yes                 |
| 2.2.2          | 2.2.1        | 2002      | PSF        | yes                 |
| 2.2.3          | 2.2.2        | 2003      | PSF        | yes                 |
| 2.3            | 2.2.2        | 2002-2003 | PSF        | yes                 |
| 2.3.1          | 2.3          | 2002-2003 | PSF        | yes                 |
| 2.3.2          | 2.3.1        | 2002-2003 | PSF        | yes                 |
| 2.3.3          | 2.3.2        | 2002-2003 | PSF        | yes                 |
| 2.3.4          | 2.3.3        | 2004      | PSF        | yes                 |
| 2.3.5          | 2.3.4        | 2005      | PSF        | yes                 |
| 2.4            | 2.3          | 2004      | PSF        | yes                 |
| 2.4.1          | 2.4          | 2005      | PSF        | yes                 |
| 2.4.2          | 2.4.1        | 2005      | PSF        | yes                 |
| 2.4.3          | 2.4.2        | 2006      | PSF        | yes                 |
| 2.4.4          | 2.4.3        | 2006      | PSF        | yes                 |
| 2.5            | 2.4          | 2006      | PSF        | yes                 |
| 2.5.1          | 2.5          | 2007      | PSF        | yes                 |
| 2.5.2          | 2.5.1        | 2008      | PSF        | yes                 |
| 2.5.3          | 2.5.2        | 2008      | PSF        | yes                 |
| 2.6            | 2.5          | 2008      | PSF        | yes                 |
| 2.6.1          | 2.6          | 2008      | PSF        | yes                 |
| 2.6.2          | 2.6.1        | 2009      | PSF        | yes                 |
| 2.6.3          | 2.6.2        | 2009      | PSF        | yes                 |
| 2.6.4          | 2.6.3        | 2009      | PSF        | yes                 |
| 2.6.5          | 2.6.4        | 2010      | PSF        | yes                 |
| 3.0            | 2.6          | 2008      | PSF        | yes                 |
| 3.0.1          | 3.0          | 2009      | PSF        | yes                 |
| 3.1            | 3.0.1        | 2009      | PSF        | yes                 |
| 3.1.1          | 3.1          | 2009      | PSF        | yes                 |
| 3.1.2          | 3.1          | 2010      | PSF        | yes                 |



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Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#

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<http://mxr.mozilla.org/mozilla/source/security/nss/lib/ckfw/builtins/certdata.txt?raw=1#>

It contains the certificates in PEM format and therefore can be directly used with curl / libcurl / php\_curl, or with an Apache+mod\_ssl webserver for SSL client authentication.

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| Status=Not/Inst/Conf-files/Unpacked/halF-conf/Half-inst/trig-aWait/Trig-pend

|/ Err?=(none)/Reinst-required (Status,Err: uppercase=bad)

||/ Name

Version

Architecture Description

+++-----  
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ii ally-profile-manager-indicator 0.1.10-0ubuntu3 amd64 Accessibility

Profile Manager - Unity desktop indicator

ii account-plugin-facebook 0.12+16.04.20160126-0ubuntu1 all GNOME

Control Center account plugin for single signon - facebook

ii account-plugin-flickr 0.12+16.04.20160126-0ubuntu1 all GNOME Control Center account plugin for single

signon - flickr

ii account-plugin-google 0.12+16.04.20160126-0ubuntu1 all GNOME

Control Center account plugin for single signon

ii accountsservice 0.6.40-2ubuntu11.3 amd64 query and

manipulate user account information

ii acl 2.2.52-3 amd64 Access control list utilities

|                                               |                               |       |                                                                          |
|-----------------------------------------------|-------------------------------|-------|--------------------------------------------------------------------------|
| ii acpi-support<br>ACPI events                | 0.142                         | amd64 | scripts for handling many                                                |
| ii acpid<br>and Power Interface event daemon  | 1:2.0.26-1ubuntu2             | amd64 | Advanced Configuration                                                   |
| ii activity-log-manager<br>Zeitgeist          | 0.9.7-0ubuntu23               | amd64 | blacklist configuration user interface for                               |
| ii adduser<br>and groups                      | 3.113+nmu3ubuntu4             | all   | add and remove users                                                     |
| ii adium-theme-ubuntu<br>for Ubuntu           | 0.3.4-0ubuntu1.1              | all   | Adium message style                                                      |
| ii adwaita-icon-theme<br>GNOME (small subset) | 3.18.0-2ubuntu3.1             | all   | default icon theme of                                                    |
| ii aisleriot<br>game collection               | 1:3.18.2-1ubuntu1             | amd64 | GNOME solitaire card                                                     |
| ii alsa-base<br>configuration files           | 1.0.25+dfsg-0ubuntu5          | all   | ALSA driver                                                              |
| ii alsa-utils<br>1.1.0-0ubuntu5               | amd64                         |       | Utilities for configuring and using ALSA                                 |
| ii anacron<br>doesn't go by time              | 2.3-23                        | amd64 | cron-like program that                                                   |
| ii ant                                        | 1.9.6-1ubuntu1                | all   | Java based build tool like make                                          |
| ii ant-optional<br>make - optional libraries  | 1.9.6-1ubuntu1                | all   | Java based build tool like                                               |
| ii apg<br>Generator - Standalone version      | 2.2.3.dfsg.1-2ubuntu1         | amd64 | Automated Password                                                       |
| ii app-install-data<br>files)                 | 15.10                         | all   | Ubuntu applications (data                                                |
| ii app-install-data-partner<br>16.04          | all                           |       | Application Installer (data files for partner applications/repositories) |
| ii apparmor<br>utility for AppArmor           | 2.10.95-0ubuntu2.5            | amd64 | user-space parser                                                        |
| ii appmenu-qt:amd64<br>menu for Qt            | 0.2.7+14.04.20140305-0ubuntu2 | amd64 | application                                                              |
| ii appmenu-qt5<br>menu for Qt5                | 0.3.0+16.04.20151130-0ubuntu1 | amd64 | application                                                              |
| ii apport<br>reports for debugging            | 2.20.1-0ubuntu2.5             | all   | automatically generate crash                                             |
| ii apport-gtk<br>apport crash report system   | 2.20.1-0ubuntu2.5             | all   | GTK+ frontend for the                                                    |
| ii apport-symptoms<br>all                     | 0.20                          |       | symptom scripts for apport                                               |
| ii appstream<br>index                         | 0.9.4-1ubuntu2                | amd64 | Software component                                                       |
| ii apt                                        | 1.2.18                        | amd64 | commandline package manager                                              |
| ii apt-transport-https<br>for APT             | 1.2.18                        | amd64 | https download transport                                                 |
| ii apt-utils                                  | 1.2.18                        | amd64 | package management related                                               |

|                                              |                                    |       |                                |
|----------------------------------------------|------------------------------------|-------|--------------------------------|
| utility programs                             |                                    |       |                                |
| ii aptdaemon                                 | 1.1.1+bzr982-0ubuntu14             | all   | transaction based              |
| package management service                   |                                    |       |                                |
| ii aptdaemon-data                            | 1.1.1+bzr982-0ubuntu14             | all   | data                           |
| files for clients                            |                                    |       |                                |
| ii apturl                                    | 0.5.2ubuntu11.1                    | amd64 | install packages using the     |
| apt protocol - GTK+ frontend                 |                                    |       |                                |
| ii apturl-common                             | 0.5.2ubuntu11.1                    | amd64 | install packages using         |
| the apt protocol - common data               |                                    |       |                                |
| ii aspell                                    | 0.60.7~20110707-3build1            | amd64 | GNU Aspell spell-              |
| checker                                      |                                    |       |                                |
| ii aspell-en                                 | 7.1-0-1.1                          | all   | English dictionary for GNU     |
| Aspell                                       |                                    |       |                                |
| ii asymptote                                 | 2.37-1                             | amd64 | script-based vector graphics   |
| language inspired by MetaPost                |                                    |       |                                |
| ii asymptote-doc                             | 2.37-1                             | all   | documentation                  |
| and examples for asymptote                   |                                    |       |                                |
| ii at-spi2-core                              | 2.18.3-4ubuntu1                    | amd64 | Assistive Technology           |
| Service Provider Interface (dbus core)       |                                    |       |                                |
| ii atom                                      | 1.8.0                              | amd64 | A hackable text editor for the |
| 21st Century.                                |                                    |       |                                |
| ii autotools-dev                             | 20150820.1                         | all   | Update infrastructure for      |
| config.{guess,sub} files                     |                                    |       |                                |
| ii avahi-autoipd                             | 0.6.32~rc+dfsg-1ubuntu2            | amd64 | Avahi IPv4LL                   |
| network address configuration daemon         |                                    |       |                                |
| ii avahi-daemon                              | 0.6.32~rc+dfsg-1ubuntu2            | amd64 | Avahi                          |
| mDNS/DNS-SD daemon                           |                                    |       |                                |
| ii avahi-utils                               | 0.6.32~rc+dfsg-1ubuntu2            | amd64 | Avahi                          |
| browsing, publishing and discovery utilities |                                    |       |                                |
| ii bamfdaemon                                | 0.5.3~bzr0+16.04.20160824-0ubuntu1 | amd64 | Window                         |
| matching library - daemon                    |                                    |       |                                |
| ii baobab                                    | 3.18.1-1ubuntu1                    | amd64 | GNOME disk usage               |
| analyzer                                     |                                    |       |                                |
| ii base-files                                | 9.4ubuntu4.3                       | amd64 | Debian base system             |
| miscellaneous files                          |                                    |       |                                |
| ii base-passwd                               | 3.5.39                             | amd64 | Debian base system master      |
| password and group files                     |                                    |       |                                |
| ii bash                                      | 4.3-14ubuntu1.1                    | amd64 | GNU Bourne Again SHell         |
| ii bash-completion                           | 1:2.1-4.2ubuntu1.1                 | all   | programmable                   |
| completion for the bash shell                |                                    |       |                                |
| ii                                           |                                    |       |                                |
| bc                                           | 1.06.95-9build1                    | amd64 | GNU bc arbitrary precision     |
| calculator language                          |                                    |       |                                |
| ii bind9-host                                | 1:9.10.3.dfsg.P4-8ubuntu1.4        | amd64 | Version of 'host'              |
| bundled with BIND 9.X                        |                                    |       |                                |
| ii binfmt-support                            | 2.1.6-1                            | amd64 | Support for extra binary       |
| formats                                      |                                    |       |                                |
| ii binutils                                  | 2.26.1-1ubuntu1~16.04.3            | amd64 | GNU assembler,                 |



|                                                          |                                                        |       |                                |
|----------------------------------------------------------|--------------------------------------------------------|-------|--------------------------------|
| linker and binary utilities                              |                                                        |       |                                |
| ii bison generator                                       | 2:3.0.4.dfsg-1                                         | amd64 | YACC-compatible parser         |
| ii blt                                                   | 2.5.3+dfsg-3                                           | amd64 | graphics extension library for |
| Tcl/Tk - run-time                                        |                                                        |       |                                |
| ii bluez                                                 | 5.37-0ubuntu5                                          | amd64 | Bluetooth tools and daemons    |
| ii bluez-cups for CUPS                                   | 5.37-0ubuntu5                                          | amd64 | Bluetooth printer driver       |
| ii bluez-obexd                                           | 5.37-0ubuntu5                                          | amd64 | bluez obex daemon              |
| ii brackets                                              | 1.8.0libcrypt11-17108+1~webupd8~0                      | amd64 | Brackets                       |
| ii branding-ubuntu Ubuntu branding                       | 0.8                                                    | all   | Replacement artwork with       |
| ii brltty person using a braille display                 | 5.3.1-2ubuntu2.1                                       | amd64 | Access software for a blind    |
| ii bsdmainutils                                          | 9.0.6ubuntu3                                           |       |                                |
| amd64                                                    | collection of more utilities from FreeBSD              |       |                                |
| ii bsduutils 4.4BSD-Lite                                 | 1:2.27.1-6ubuntu3.2                                    | amd64 | basic utilities from           |
| ii build-essential build-essential packages              | 12.1ubuntu2                                            | amd64 | Informational list of          |
| ii busybox-initramfs setup for initramfs                 | 1:1.22.0-15ubuntu1                                     | amd64 | Standalone shell               |
| ii busybox-static shell with tons of builtin utilities   | 1:1.22.0-15ubuntu1                                     | amd64 | Standalone rescue              |
| ii byacc LALR Yacc parser generator                      | 20140715-1                                             | amd64 | public domain Berkeley         |
| ii bzip2                                                 | 1.0.6-8                                                |       |                                |
| amd64                                                    | high-quality block-sorting file compressor - utilities |       |                                |
| ii ca-certificates                                       | 20160104ubuntu1                                        | all   | Common CA certificates         |
| ii ca-certificates-mono certificates (Mono keystore)     | 4.2.1.102+dfsg2-7ubuntu4                               | all   | Common CA                      |
| ii ccache recompilation of C/C++ code                    | 3.2.4-1                                                | amd64 | Compiler cache for fast        |
| ii checkbox-converged Ubuntu devices                     | 1.2.4-0ubuntu1                                         | all   | testing tool for all           |
| ii checkbox-gui checkbox (transitional package)          | 1.2.4-0ubuntu1                                         | all   | QML based interface for        |
| ii checkinstall                                          | 1.6.2-4ubuntu1                                         |       |                                |
| amd64                                                    | installation tracker                                   |       |                                |
| ii cheese videos from your webcam                        | 3.18.1-2ubuntu3                                        | amd64 | tool to take pictures and      |
| ii cheese-common Cheese tool to take pictures and videos | 3.18.1-2ubuntu3                                        | all   | Common files for the           |
| ii chromium-codecs-ffmpeg-extra                          | 55.0.2883.87-0ubuntu0.16.04.1263                       | amd64 | Extra                          |
| ffmpeg codecs for the Chromium Browser                   |                                                        |       |                                |
| ii clang compiler (LLVM based)                           | 1:3.8-33ubuntu3.1                                      | amd64 | C, C++ and Objective-C         |

|                                                                            |                                    |       |                                                               |
|----------------------------------------------------------------------------|------------------------------------|-------|---------------------------------------------------------------|
| ii clang-3.8<br>compiler (LLVM based)                                      | 1:3.8-2ubuntu4                     | amd64 | C, C++ and Objective-C                                        |
| ii cli-common<br>all common files between all CLI packages                 | 0.9+nmu1                           |       |                                                               |
| ii cli-common-dev<br>CLI packages                                          | 0.9+nmu1                           | all   | common files for building                                     |
| ii cmake<br>source make system                                             | 3.5.1-1ubuntu3                     | amd64 | cross-platform, open-                                         |
| ii cmake-curses-gui<br>interface for CMake (ccmake)                        | 3.5.1-1ubuntu3                     | amd64 | curses based user                                             |
| ii cmake-data<br>(modules, templates and documentation)                    | 3.5.1-1ubuntu3                     | all   | CMake data files                                              |
| ii colord<br>device colour profiles -- system daemon                       | 1.2.12-1ubuntu1                    | amd64 | system service to manage                                      |
| ii colord-data<br>1.2.12-1ubuntu1                                          | all                                |       | system service to manage device colour profiles -- data files |
| ii command-not-found<br>of packages in interactive bash sessions           | 0.3ubuntu16.04.2                   | all   | Suggest installation                                          |
| ii command-not-found-data<br>for command-not-found.                        | 0.3ubuntu16.04.2                   | amd64 | Set of data files                                             |
| ii compiz<br>and compositing manager                                       | 1:0.9.12.2+16.04.20160823-0ubuntu1 | all   | OpenGL window                                                 |
| ii compiz-core<br>window and compositing manager                           | 1:0.9.12.2+16.04.20160823-0ubuntu1 | amd64 | OpenGL                                                        |
| ii compiz-gnome<br>window and compositing manager - GNOME window decorator | 1:0.9.12.2+16.04.20160823-0ubuntu1 | amd64 | OpenGL                                                        |
| ii compiz-plugins-default:amd64<br>manager - default plugins               | 1:0.9.12.2+16.04.20160823-0ubuntu1 | amd64 | OpenGL window and compositing                                 |
| ii compizconfig-settings-manager<br>configuration settings manager         | 1:0.9.12.2+16.04.20160823-0ubuntu1 | all   | Compiz                                                        |
| ii console-setup<br>setup program                                          | 1.108ubuntu15.2                    | all   | console font and keymap                                       |
| ii console-setup-linux<br>console-setup                                    | 1.108ubuntu15.2                    | all   | Linux specific part of                                        |
| ii coreutils                                                               | 8.25-2ubuntu2                      | amd64 | GNU core utilities                                            |
| ii cpio<br>to manage archives of files                                     | 2.11+dfsg-5ubuntu1                 | amd64 | GNU cpio -- a program                                         |
| ii cpp<br>4:5.3.1-1ubuntu1                                                 | amd64                              |       | GNU C preprocessor (cpp)                                      |
| ii cpp-4.9                                                                 | 4.9.3-13ubuntu2                    | amd64 | GNU C preprocessor                                            |
| ii cpp-5                                                                   | 5.4.0-6ubuntu1~16.04.4             | amd64 | GNU C preprocessor                                            |
| ii cracklib-runtime<br>password checker library cracklib2                  | 2.9.2-1build2                      | amd64 | runtime support for                                           |
| ii crda<br>Domain Agent                                                    | 3.13-1                             | amd64 | wireless Central Regulatory                                   |
| ii cron<br>daemon                                                          | 3.0p11-128ubuntu2                  | amd64 | process scheduling                                            |

|    |                                                   |                                                                 |       |                                      |
|----|---------------------------------------------------|-----------------------------------------------------------------|-------|--------------------------------------|
| ii | cryptsetup                                        | 2:1.6.6-5ubuntu2                                                | amd64 |                                      |
|    | disk encryption support - startup scripts         |                                                                 |       |                                      |
| ii | cryptsetup-bin                                    | 2:1.6.6-5ubuntu2                                                | amd64 | disk encryption                      |
|    | support - command line tools                      |                                                                 |       |                                      |
| ii | cups                                              | 2.1.3-4                                                         | amd64 | Common UNIX Printing                 |
|    | System(tm) - PPD/driver support, web interface    |                                                                 |       |                                      |
| ii | cups-backend-bjnp                                 | 2.0-0ubuntu2                                                    | amd64 | printer backend for                  |
|    | Canon BJNP protocol                               |                                                                 |       |                                      |
| ii | cups-browsed                                      | 1.8.3-2ubuntu3.1                                                | amd64 | OpenPrinting CUPS                    |
|    | Filters - cups-browsed                            |                                                                 |       |                                      |
| ii | cups-bsd                                          | 2.1.3-4                                                         | amd64 | Common UNIX Printing                 |
|    | System(tm) - BSD commands                         |                                                                 |       |                                      |
| ii | cups-client                                       | 2.1.3-4                                                         |       |                                      |
|    | amd64                                             | Common UNIX Printing                                            |       | System(tm) - client programs (SysV)  |
| ii | cups-common                                       | 2.1.3-4                                                         | all   | Common UNIX Printing                 |
|    | System(tm) - common files                         |                                                                 |       |                                      |
| ii | cups-core-drivers                                 | 2.1.3-4                                                         | amd64 | Common UNIX Printing                 |
|    | System(tm) - PPD-less printing                    |                                                                 |       |                                      |
| ii | cups-daemon                                       | 2.1.3-4                                                         | amd64 | Common UNIX Printing                 |
|    | System(tm) - daemon                               |                                                                 |       |                                      |
| ii | cups-filters                                      | 1.8.3-2ubuntu3.1                                                | amd64 | OpenPrinting CUPS                    |
|    | Filters - Main Package                            |                                                                 |       |                                      |
| ii | cups-filters-core-drivers                         | 1.8.3-2ubuntu3.1                                                | amd64 | OpenPrinting CUPS                    |
|    | Filters - PPD-less printing                       |                                                                 |       |                                      |
| ii | cups-pk-helper                                    | 0.2.5-2ubuntu2                                                  |       |                                      |
|    | amd64                                             | PolicyKit helper to configure cups with fine-grained privileges |       |                                      |
| ii | cups-ppdc                                         | 2.1.3-4                                                         | amd64 | Common UNIX Printing                 |
|    | System(tm) - PPD manipulation utilities           |                                                                 |       |                                      |
| ii | cups-server-common                                | 2.1.3-4                                                         | all   | Common UNIX Printing                 |
|    | System(tm) - server common files                  |                                                                 |       |                                      |
| ii | curl                                              | 7.47.0-1ubuntu2.2                                               | amd64 | command line tool for                |
|    | transferring data with URL syntax                 |                                                                 |       |                                      |
| ii | dash                                              | 0.5.8-2.1ubuntu2                                                | amd64 | POSIX-compliant shell                |
| ii | dbus                                              | 1.10.6-1ubuntu3.3                                               | amd64 | simple interprocess                  |
|    | messaging system (daemon and utilities)           |                                                                 |       |                                      |
| ii | dbus-x11                                          | 1.10.6-1ubuntu3.3                                               | amd64 | simple interprocess messaging system |
|    | (X11 deps)                                        |                                                                 |       |                                      |
| ii | dc                                                | 1.06.95-9build1                                                 | amd64 | GNU dc arbitrary precision           |
|    | reverse-polish calculator                         |                                                                 |       |                                      |
| ii | dconf-cli                                         | 0.24.0-2                                                        | amd64 | simple configuration storage         |
|    | system - utilities                                |                                                                 |       |                                      |
| ii | dconf-gsettings-backend:amd64                     | 0.24.0-2                                                        | amd64 | simple                               |
|    | configuration storage system - GSettings back-end |                                                                 |       |                                      |
| ii | dconf-gsettings-backend:i386                      | 0.24.0-2                                                        | i386  | simple configuration                 |
|    | storage system - GSettings back-end               |                                                                 |       |                                      |
| ii | dconf-service                                     | 0.24.0-2                                                        | amd64 | simple configuration                 |

|                                                          |                             |       |     |                                 |
|----------------------------------------------------------|-----------------------------|-------|-----|---------------------------------|
| storage system - D-Bus service                           |                             |       |     |                                 |
| ii debconf management system                             | 1.5.58ubuntu1               |       | all | Debian configuration            |
| ii debconf-i18n support for debconf                      | 1.5.58ubuntu1               |       | all | full internationalization       |
| ii debhelper debian/rules                                | 9.20160115ubuntu3           |       | all | helper programs for             |
| ii debianutils specific to Debian                        | 4.7                         | amd64 |     | Miscellaneous utilities         |
| ii deja-dup                                              | 34.2-0ubuntu1.1             | amd64 |     | Back up your files              |
| ii deja-dup-backend-gvfs support for Déjà Dup            | 34.2-0ubuntu1.1             |       | all | Remote server                   |
| ii desktop-file-utils                                    | 0.22-1ubuntu5               | amd64 |     | Utilities for .desktop files    |
| ii dh-python packaging Python libraries and applications | 2.20151103ubuntu1.1         |       | all | Debian helper tools for         |
| ii dh-strip-nondeterminism non-determinism from files    | 0.015-1                     |       | all | debhelper add-on to strip       |
| ii dictionaries-common common utilities                  | 1.26.3                      |       | all | spelling dictionaries -         |
| ii diffstat introduced by a diff file                    | 1.61-1                      | amd64 |     | produces graph of changes       |
| ii diffutils                                             | 1:3.3-3                     | amd64 |     | File comparison utilities       |
| ii dirmngr revocation lists                              | 2.1.11-6ubuntu2             | amd64 |     | server for managing certificate |
| ii distro-info-data distributions' releases (data files) | 0.28ubuntu0.2               |       | all | information about the           |
| ii dmidecode decoder                                     | 3.0-2ubuntu0.1              | amd64 |     | SMBIOS/DMI table                |
| ii dmsetup Mapper userspace library                      | 2:1.02.110-1ubuntu10        | amd64 |     | Linux Kernel Device             |
| ii dmz-cursor-theme cursor theme                         | 0.4.4ubuntu1                |       | all | Style neutral, scalable         |
| ii dns-root-data root zone and DNSSEC key                | 2015052300+h+1              |       | all | DNS root data including         |
| ii dnsmasq-base DHCP/TFTP server                         | 2.75-1ubuntu0.16.04.1       | amd64 |     | Small caching DNS proxy and     |
| ii dnsutils BIND                                         | 1:9.10.3.dfsg.P4-8ubuntu1.4 | amd64 |     | Clients provided with           |
| ii doc-base documentation                                | 0.10.7                      |       | all | utilities to manage online      |
| ii docutils-common for reStructuredText - common data    | 0.12+dfsg-1                 |       | all | text processing system          |
| ii docutils-doc reStructuredText - documentation         | 0.12+dfsg-1                 |       | all | text processing system for      |
| ii dosfstools                                            | 3.0.28-2ubuntu0.1           | amd64 |     | utilities for making and        |

|                                                                                                 |                             |  |       |                                                   |
|-------------------------------------------------------------------------------------------------|-----------------------------|--|-------|---------------------------------------------------|
| checking MS-DOS<br>FAT filesystems                                                              |                             |  |       |                                                   |
| ii dpkg<br>management system                                                                    | 1.18.4ubuntu1.1             |  | amd64 | Debian package                                    |
| ii dpkg-dev<br>development tools                                                                | 1.18.4ubuntu1.1             |  | all   | Debian package                                    |
| ii dropbox<br>engine - CLI and Nautilus extension                                               | 2015.10.28                  |  | amd64 | cloud synchronization                             |
| ii duplicity<br>efficient backup                                                                | 0.7.06-2ubuntu2             |  | amd64 | encrypted bandwidth-                              |
| ii e2fslibs:amd64<br>system libraries                                                           | 1.42.13-1ubuntu1            |  | amd64 | ext2/ext3/ext4 file                               |
| ii e2fsprogs<br>system utilities                                                                | 1.42.13-1ubuntu1            |  | amd64 | ext2/ext3/ext4 file                               |
| ii ecryptfs-utils<br>(utilities)                                                                | 1:1.11-0ubuntu1.1           |  | amd64 | ecryptfs cryptographic filesystem                 |
| ii ed                                                                                           | 1.10-2                      |  | amd64 | classic UNIX line editor                          |
| ii efibootmgr<br>Manager                                                                        | 0.12-4                      |  | amd64 | Interact with the EFI Boot                        |
| ii eject<br>operates CD-Changers under Linux                                                    | 2.1.5+deb1+cvs20081104-13.1 |  | amd64 | ejects CDs and                                    |
| ii emacsen-common<br>emacsen                                                                    | 2.0.8                       |  | all   | Common facilities for all                         |
| ii enchant:i386<br>checker engines (binary programs)                                            | 1.6.0-10.1build2            |  | i386  | Wrapper for various spell                         |
| ii eog<br>program                                                                               | 3.18.2-1ubuntu2.1           |  | amd64 | Eye of GNOME graphics viewer                      |
| ii espeak-data:amd64<br>software speech synthesizer: speech data files                          | 1.48.04+dfsg-2              |  | amd64 | Multi-lingual                                     |
| ii ethtool<br>device settings                                                                   | 1:4.5-1                     |  | amd64 | display or change Ethernet                        |
| ii evince<br>PDF) viewer                                                                        | 3.18.2-1ubuntu4             |  | amd64 | Document (PostScript,                             |
| ii evince-common<br>PDF) viewer - common files                                                  | 3.18.2-1ubuntu4             |  | all   | Document (PostScript,                             |
| ii evolution-data-server<br>backend server                                                      | 3.18.5-1ubuntu1             |  | amd64 | evolution database                                |
| ii evolution-data-server-common<br>Server                                                       | 3.18.5-1ubuntu1             |  | all   | architecture independent files for Evolution Data |
| ii evolution-data-server-online-accounts<br>data server integration with Ubuntu Online Accounts | 3.18.5-1ubuntu1             |  | amd64 | evolution                                         |
| ii example-content                                                                              | 49                          |  | all   | Ubuntu example content                            |
| ii exuberant-ctags<br>indexes of source code definitions                                        | 1:5.9~svn20110310-11        |  | amd64 | build tag file                                    |
| ii fakeroot                                                                                     | 1.20.2-1ubuntu1             |  | amd64 | tool for simulating                               |

|                                                               |                                |       |       |                                           |
|---------------------------------------------------------------|--------------------------------|-------|-------|-------------------------------------------|
| superuser privileges                                          |                                |       |       |                                           |
| ii file<br>"magic" numbers                                    | 1:5.25-2ubuntu1                |       | amd64 | Determines file type using                |
| ii file-roller                                                | 3.16.5-0ubuntu1.2              |       | amd64 | archive manager for GNOME                 |
| ii findutils<br>files--find, xargs                            | 4.6.0+git+20160126-2           |       | amd64 | utilities for finding                     |
| ii firefox<br>browser from Mozilla                            | 51.0.1+build2-0ubuntu0.16.04.2 |       | amd64 | Safe and easy web                         |
| ii firefox-locale-en<br>language pack for Firefox             | 51.0.1+build2-0ubuntu0.16.04.2 |       | amd64 | English                                   |
| ii firefox-locale-it<br>pack for Firefox                      | 51.0.1+build2-0ubuntu0.16.04.2 |       | amd64 | Italian language                          |
| ii flashplugin-installer<br>Player plugin installer           | 24.0.0.194ubuntu0.16.04.1      |       | amd64 | Adobe Flash                               |
| ii flex<br>2.6.0-11                                           |                                | amd64 |       | fast lexical analyzer generator           |
| ii fontconfig<br>configuration library - support binaries     | 2.11.94-0ubuntu1.1             |       | amd64 | generic font                              |
| ii fontconfig-config<br>configuration library - configuration | 2.11.94-0ubuntu1.1             |       | all   | generic font                              |
| ii fonts-dejavu-core<br>with additional characters            | 2.35-1                         |       | all   | Vera font family derivate                 |
| ii fonts-font-awesome<br>use with Twitter Bootstrap           | 4.5.0~dfsg-1                   |       | all   | iconic font designed for                  |
| ii fonts-freefont-ttf<br>Mono Truetype fonts                  | 20120503-4                     |       | all   | Freefont Serif, Sans and                  |
| ii fonts-guru<br>2:1.2                                        |                                | all   |       | Meta package to install all Punjabi fonts |
| ii fonts-guru-extra<br>language                               | 2.0-3                          |       | all   | Free fonts for Punjabi                    |
| ii fonts-kacst<br>Arabic fonts                                | 2.01+mry-12                    |       | all   | KACST free TrueType                       |
| ii fonts-kacst-one<br>for Arabic language                     | 5.0+svn11846-7                 |       | all   | TrueType font designed                    |
| ii fonts-khmeros-core<br>for the Khmer language of Cambodia   | 5.0-7ubuntu1                   |       | all   | KhmerOS Unicode fonts                     |
| ii fonts-lao<br>language                                      | 0.0.20060226-9                 |       | all   | TrueType font for Lao                     |
| ii fonts-lato<br>2.0-1                                        |                                | all   |       | sans-serif typeface family font           |
| ii fonts-liberation<br>as Times, Arial and Courier            | 1.07.4-1                       |       | all   | Fonts with the same metrics               |
| ii fonts-lklug-sinhala<br>Lanka Linux User Group              | 0.6-3                          |       | all   | Unicode Sinhala font by                   |
| ii fonts-lmodern<br>Computer Modern                           | 2.004.5-1                      |       | all   | OpenType fonts based on                   |
| ii fonts-lohit-guru                                           | 2.5.3-2                        |       | all   | Lohit TrueType font for                   |

|                            |                            |     |     |                                                                         |
|----------------------------|----------------------------|-----|-----|-------------------------------------------------------------------------|
| Punjabi Language           |                            |     |     |                                                                         |
| ii fonts-lyx               | 2.1.4-2                    |     | all | TrueType versions of some TeX fonts used by LyX                         |
| ii fonts-nanum             |                            |     |     |                                                                         |
| 20140930-1                 |                            | all |     | Nanum Korean fonts                                                      |
| ii fonts-noto-cjk          | 1:1.004+repack2-1~ubuntu1  |     | all | "No Tofu" font families with large Unicode coverage (CJK)               |
| ii fonts-opensymbol        | 2:102.7+LibO5.1.4-0ubuntu1 |     | all | OpenSymbol TrueType font                                                |
| ii fonts-sil-abyssinica    | 1.500-1                    |     | all | smart Unicode font for Ethiopian and Erythrean scripts (Amharic et al.) |
| ii fonts-sil-padauk        | 2.80-2                     |     | all | smart Unicode font for languages in Myanmar                             |
| ii fonts-stix              | 1.1.1-4                    |     | all | Scientific and Technical Information eXchange fonts                     |
| ii fonts-symbola           |                            |     |     |                                                                         |
| 2.59-1                     |                            | all |     | symbolic font providing emoji characters from Unicode 7.0               |
| ii fonts-takao-pgothic     | 003.02.01-9ubuntu3         |     | all | Japanese TrueType font set, Takao P Gothic Fonts                        |
| ii fonts-texgyre           | 20150923-1                 |     | all | OpenType fonts based on URW Fonts                                       |
| ii fonts-thai-tlwg         | 1:0.6.2-2.1                |     | all | Thai fonts maintained by TLWG (metapackage)                             |
| ii fonts-tibetan-machine   | 1.901b-5                   |     | all | font for Tibetan, Dzongkha and Ladakhi (OpenType Unicode)               |
| ii fonts-tlwg-garuda       | 1:0.6.2-2.1                |     | all | Thai Garuda font (dependency package)                                   |
| ii fonts-tlwg-garuda-ttf   |                            |     |     |                                                                         |
| 1:0.6.2-2.1                |                            | all |     | Thai Garuda TrueType font                                               |
| ii fonts-tlwg-kinnari      | 1:0.6.2-2.1                |     | all | Thai Kinnari font (dependency package)                                  |
| ii fonts-tlwg-kinnari-ttf  | 1:0.6.2-2.1                |     | all | Thai Kinnari TrueType font                                              |
| ii fonts-tlwg-laksaman     | 1:0.6.2-2.1                |     | all | Thai Laksaman font (dependency package)                                 |
| ii fonts-tlwg-laksaman-ttf | 1:0.6.2-2.1                |     | all | Thai Laksaman TrueType font                                             |
| ii fonts-tlwg-loma         | 1:0.6.2-2.1                |     | all | Thai Loma font (dependency package)                                     |
| ii fonts-tlwg-loma-ttf     | 1:0.6.2-2.1                |     | all | Thai Loma TrueType font                                                 |
| ii fonts-tlwg-mono         | 1:0.6.2-2.1                |     | all | Thai TlwgMono font (dependency package)                                 |
| ii fonts-tlwg-mono-ttf     | 1:0.6.2-2.1                |     | all | Thai TlwgMono TrueType font                                             |
| ii fonts-tlwg-norasi       | 1:0.6.2-2.1                |     | all | Thai Norasi font (dependency package)                                   |
| ii fonts-tlwg-norasi-ttf   | 1:0.6.2-2.1                |     | all | Thai Norasi TrueType font                                               |

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| ii fonts-tlwg-purisa<br>(dependency package)                                                  | 1:0.6.2-2.1            | all   | Thai Purisa font                               |
| ii fonts-tlwg-purisa-ttf                                                                      | 1:0.6.2-2.1            | all   | Thai Purisa TrueType font                      |
| ii fonts-tlwg-sawasdee<br>1:0.6.2-2.1                                                         | all                    |       | Thai Sawasdee font (dependency package)        |
| ii fonts-tlwg-sawasdee-ttf<br>font                                                            | 1:0.6.2-2.1            | all   | Thai Sawasdee TrueType font                    |
| ii fonts-tlwg-typewriter<br>(dependency package)                                              | 1:0.6.2-2.1            | all   | Thai TlwgTypewriter font                       |
| ii fonts-tlwg-typewriter-ttf<br>TrueType font                                                 | 1:0.6.2-2.1            | all   | Thai TlwgTypewriter TrueType font              |
| ii fonts-tlwg-typist<br>(dependency package)                                                  | 1:0.6.2-2.1            | all   | Thai TlwgTypist font                           |
| ii fonts-tlwg-typist-ttf<br>font                                                              | 1:0.6.2-2.1            | all   | Thai TlwgTypist TrueType font                  |
| ii fonts-tlwg-typo<br>1:0.6.2-2.1                                                             | all                    |       | Thai TlwgTypo font (dependency package)        |
| ii fonts-tlwg-typo-ttf<br>font                                                                | 1:0.6.2-2.1            | all   | Thai TlwgTypo TrueType font                    |
| ii fonts-tlwg-umpush<br>(dependency package)                                                  | 1:0.6.2-2.1            | all   | Thai Umpush font                               |
| ii fonts-tlwg-umpush-ttf<br>font                                                              | 1:0.6.2-2.1            | all   | Thai Umpush TrueType font                      |
| ii fonts-tlwg-waree<br>(dependency package)                                                   | 1:0.6.2-2.1            | all   | Thai Waree font                                |
| ii fonts-tlwg-waree-ttf                                                                       | 1:0.6.2-2.1            | all   | Thai Waree TrueType font                       |
| ii foomatic-db-compressed-ppds<br>printer support - Compressed PPDs derived from the database | 20160212-0ubuntu1      | all   | OpenPrinting                                   |
| ii fortune-mod<br>on demand                                                                   | 1:1.99.1-7             | amd64 | provides fortune cookies                       |
| ii fortunes-min<br>fortune cookies                                                            | 1:1.99.1-7             | all   | Data files containing selected fortune cookies |
| ii freeglut3:amd64                                                                            | 2.8.1-2                | amd64 | OpenGL Utility Toolkit                         |
| ii freepats<br>synthesis                                                                      | 20060219-1             | all   | Free patch set for MIDI audio                  |
| ii friendly-recovery<br>friendly                                                              | 0.2.31                 | all   | Make recovery more user-friendly               |
| ii ftp<br>client                                                                              | 0.17-33                | amd64 | classical file transfer                        |
| ii fuse                                                                                       | 2.9.4-1ubuntu3.1       | amd64 | Filesystem in Userspace                        |
| ii fwupd                                                                                      | 0.7.0-0ubuntu4.3       | amd64 | Firmware update daemon                         |
| ii fwupdate<br>firmware updates                                                               | 0.5-2ubuntu4           | amd64 | Tools to manage UEFI                           |
| ii fwupdate-signed<br>Updater EFI signed binary                                               | 1.11+0.5-2ubuntu4      | amd64 | Linux Firmware                                 |
| ii g++                                                                                        | 4:5.3.1-1ubuntu1       | amd64 | GNU C++ compiler                               |
| ii g++-4.9                                                                                    | 4.9.3-13ubuntu2        | amd64 | GNU C++ compiler                               |
| ii g++-5                                                                                      | 5.4.0-6ubuntu1~16.04.4 |       |                                                |



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|----|-----------------------|-----------------------------------------------------|-------|----------------------------------|
|    | amd64                 | GNU C++ compiler                                    |       |                                  |
| ii | gcc                   | 4:5.3.1-1ubuntu1                                    | amd64 | GNU C compiler                   |
| ii | gcc-4.9               | 4.9.3-13ubuntu2                                     | amd64 | GNU C compiler                   |
| ii | gcc-4.9-base:amd64    | 4.9.3-13ubuntu2                                     | amd64 | GCC, the GNU                     |
|    |                       | Compiler Collection (base package)                  |       |                                  |
| ii | gcc-5                 | 5.4.0-6ubuntu1~16.04.4                              | amd64 | GNU C compiler                   |
| ii | gcc-5-base:amd64      | 5.4.0-6ubuntu1~16.04.4                              | amd64 | GCC, the GNU                     |
|    |                       | Compiler Collection (base package)                  |       |                                  |
| ii | gcc-5-base:i386       | 5.4.0-6ubuntu1~16.04.4                              | i386  | GCC, the GNU                     |
|    |                       | Compiler Collection (base package)                  |       |                                  |
| ii | gcc-6-base:amd64      | 6.0.1-0ubuntu1                                      | amd64 | GCC, the GNU Compiler Collection |
|    |                       | (base package)                                      |       |                                  |
| ii | gcc-6-base:i386       | 6.0.1-0ubuntu1                                      | i386  | GCC, the GNU                     |
|    |                       | Compiler Collection (base package)                  |       |                                  |
| ii | gconf-service         | 3.2.6-3ubuntu6                                      | amd64 | GNOME configuration              |
|    |                       | database system (D-Bus service)                     |       |                                  |
| ii | gconf-service-backend | 3.2.6-3ubuntu6                                      | amd64 | GNOME                            |
|    |                       | configuration database system (D-Bus service)       |       |                                  |
| ii | gconf2                | 3.2.6-3ubuntu6                                      | amd64 | GNOME configuration              |
|    |                       | database system (support tools)                     |       |                                  |
| ii | gconf2-common         | 3.2.6-3ubuntu6                                      | all   | GNOME configuration              |
|    |                       | database system                                     |       |                                  |
|    |                       | (common files)                                      |       |                                  |
| ii | gcr                   | 3.18.0-1ubuntu1                                     | amd64 | GNOME crypto services            |
|    |                       | (daemon and tools)                                  |       |                                  |
| ii | gdb                   | 7.11.1-0ubuntu1~16.04                               | amd64 | GNU Debugger                     |
| ii | gdbserver             | 7.11.1-0ubuntu1~16.04                               | amd64 | GNU Debugger                     |
|    |                       | (remote server)                                     |       |                                  |
| ii | gdisk                 | 1.0.1-1build1                                       | amd64 | GPT fdisk text-mode              |
|    |                       | partitioning tool                                   |       |                                  |
| ii | gedit                 | 3.18.3-0ubuntu4                                     | amd64 | official text editor of the      |
|    |                       | GNOME desktop environment                           |       |                                  |
| ii | gedit-common          | 3.18.3-0ubuntu4                                     | all   | official text editor of the      |
|    |                       | GNOME desktop environment (support files)           |       |                                  |
| ii | genisoimage           | 9:1.1.11-3ubuntu1                                   | amd64 | Creates ISO-9660 CD-             |
|    |                       | ROM filesystem images                               |       |                                  |
| ii | geoclue               | 0.12.99-4ubuntu1                                    | amd64 | Geographic information           |
|    |                       | framework                                           |       |                                  |
| ii | geoclue-ubuntu-geoip  | 1.0.2+14.04.20131125-0ubuntu2                       | amd64 | Provide                          |
|    |                       | positioning for GeoClue via Ubuntu GeoIP services   |       |                                  |
| ii | geogebra              | 4.0.34.0+dfsg1-3                                    | all   | Dynamic mathematics              |
|    |                       | software for education                              |       |                                  |
| ii | geoip-database        | 20160408-1                                          | all   | IP lookup command line           |
|    |                       | tools that use the GeoIP library (country database) |       |                                  |
| ii | gettext               | 0.19.7-2ubuntu3                                     | amd64 | GNU Internationalization         |

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|----------------------------------------------------|---------------------------------|-------|-------------------------------------------------------------------|
| utilities                                          |                                 |       |                                                                   |
| ii gettext-base                                    | 0.19.7-2ubuntu3                 | amd64 | GNU                                                               |
| Internationalization utilities for the base system |                                 |       |                                                                   |
| ii gfortran compiler                               | 4:5.3.1-1ubuntu1                | amd64 | GNU Fortran 95                                                    |
| ii gfortran-5 compiler                             | 5.4.0-6ubuntu1~16.04.4          | amd64 | GNU Fortran                                                       |
| ii ghostscript                                     | 9.18~dfsg~0-0ubuntu2.3          | amd64 | interpreter for the PostScript language and for PDF               |
| ii ghostscript-x                                   | 9.18~dfsg~0-0ubuntu2.3          | amd64 | interpreter for the PostScript language and for PDF - X11 support |
| ii gir1.2-accounts-1.0:amd64                       | 1.21+16.04.20160222-0ubuntu1    | amd64 | typelib file for libaccounts-glib0                                |
| ii gir1.2-appindicator3-0.1                        | 12.10.1+15.04.20141110-0ubuntu1 | amd64 | Typelib files for libappindicator3-1.                             |
| ii gir1.2-atk-1.0                                  | 2.18.0-1                        | amd64 | ATK accessibility toolkit (GObject introspection)                 |
| ii gir1.2-atspi-2.0                                | 2.18.3-4ubuntu1                 | amd64 | Assistive Technology Service Provider (GObject introspection)     |
| ii gir1.2-dbusmenu-glib-0.4:amd64                  | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | typelib file for libdbusmenu-glib4                                |
| ii gir1.2-dee-1.0                                  | 1.2.7+15.04.20150304-0ubuntu2   | amd64 | GObject introspection data for the Dee library                    |
| ii gir1.2-freedesktop:amd64                        | 1.46.0-3ubuntu1                 | amd64 | Introspection data for some FreeDesktop components                |
| ii gir1.2-gdata-0.0:amd64                          | 0.17.4-1                        | amd64 | GObject introspection data for the GData webservices library      |
| ii gir1.2-gdkpixbuf-2.0:amd64                      | 2.32.2-1ubuntu1.2               | amd64 | GDK Pixbuf library - GObject-Introspection                        |
| ii gir1.2-glib-2.0:amd64                           | 1.46.0-3ubuntu1                 | amd64 | Introspection data for GLib, GObject, Gio and GModule             |
| ii gir1.2-gnomekeyring-1.0                         | 3.12.0-1build1                  | amd64 | GNOME keyring services library - introspection data               |
| ii gir1.2-goa-1.0:amd64                            | 3.18.3-1ubuntu2                 | amd64 | Introspection data for GNOME Online Accounts                      |
| ii gir1.2-gst-plugins-base-1.0                     | 1.8.2-1ubuntu0.2                | amd64 | GObject introspection data for the GStreamer Plugins Base library |
| ii gir1.2-gstreamer-1.0                            | 1.8.2-1~ubuntu1                 | amd64 | GObject introspection data for the GStreamer library              |
| ii gir1.2-gtk-2.0                                  | 2.24.30-1ubuntu1                | amd64 | GTK+ graphical user interface library -- gir bindings             |
| ii gir1.2-gtk-3.0:amd64                            | 3.18.9-1ubuntu3.1               | amd64 | GTK+ graphical user interface library -- gir bindings             |
| ii gir1.2-gtksource-3.0:amd64                      | 3.18.2-1                        | amd64 | gir files for the GTK+ syntax highlighting widget                 |
| ii gir1.2-gudev-1.0:amd64                          | 1:230-2                         | amd64 | libgudev-1.0 introspection data                                   |

|                                       |                                 |       |                                                                            |
|---------------------------------------|---------------------------------|-------|----------------------------------------------------------------------------|
| ii gir1.2-ibus-1.0:amd64              | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus - introspection data                                 |
| ii gir1.2-javascriptcoregtk-4.0:amd64 | 2.14.3-0ubuntu0.16.04.1         | amd64 | JavaScript engine library from WebKitGTK+ - GObject introspection data     |
| ii gir1.2-json-1.0:amd64              | 1.1.2-0ubuntu1                  | amd64 | GLib JSON manipulation library (introspection data)                        |
| ii gir1.2-notify-0.7                  | 0.7.6-2svn1                     | amd64 | sends desktop notifications to a notification daemon (Introspection files) |
| ii gir1.2-packagekitglib-1.0          | 0.8.17-4ubuntu6~gcc5.4ubuntu1.1 | amd64 | GObject introspection data for the PackageKit GLib library                 |
| ii gir1.2-pango-1.0:amd64             | 1.38.1-1                        | amd64 | Layout and rendering of internationalized text - gir bindings              |
| ii gir1.2-peas-1.0:amd64              | 1.16.0-1ubuntu2                 | amd64 | Application plugin library (introspection files)                           |
| ii gir1.2-rb-3.0:amd64                | 3.3-1ubuntu7                    | amd64 | GObject introspection data for the rhythmbox music player                  |
| ii gir1.2-secret-1:amd64              | 0.18.4-1ubuntu2                 | amd64 | Secret store (GObject-Introspection)                                       |
| ii gir1.2-signon-1.0                  | 1.13+16.04.20151209.1-0ubuntu1  | amd64 | GObject introspection data for the Signon library                          |
| ii gir1.2-soup-2.4                    | 2.52.2-1ubuntu0.1               | amd64 | GObject introspection data for the libsoup HTTP library                    |
| ii gir1.2-totem-1.0:amd64             | 3.18.1-1ubuntu4                 | amd64 | GObject introspection data for Totem media player                          |
| ii gir1.2-totem-plparser-1.0:amd64    | 3.10.6-1ubuntu1                 | amd64 | GObject introspection data for the Totem Playlist Parser library           |
| ii gir1.2-udisks-2.0:amd64            | 2.1.7-1ubuntu1                  | amd64 | GObject based library to access udisks2 - introspection data               |
| ii gir1.2-unity-5.0:amd64             | 7.1.4+16.04.20160701-0ubuntu1   | amd64 | GObject introspection data for the Unity library                           |
| ii gir1.2-vte-2.91:amd64              | 0.42.5-1ubuntu1                 | amd64 | GObject introspection data for the VTE library                             |
| ii gir1.2-webkit2-4.0:amd64           | 2.14.3-0ubuntu0.16.04.1         | amd64 | Web content engine library for GTK+ - GObject introspection data           |
| ii gir1.2-wnck-3.0:amd64              | 3.14.1-2                        | amd64 | GObject introspection data for the WNCK library                            |
| ii git                                | 1:2.7.4-0ubuntu1                | amd64 | fast, scalable, distributed revision control system                        |
| ii git-man                            | 1:2.7.4-0ubuntu1                | all   | fast, scalable, distributed revision control system (manual pages)         |
| ii gkbd-capplet                       | 3.6.0-1ubuntu2                  | amd64 | GNOME control center tools for libgnomekbd                                 |
| ii glib-networking:amd64              | 2.48.2-1~ubuntu16.04.1          | amd64 | network-related giomodules for GLib                                        |
| ii glib-networking:i386               | 2.48.2-1~ubuntu16.04.1          | i386  | network-related giomodules                                                 |

|                                                                        |                                               |       |       |                                               |
|------------------------------------------------------------------------|-----------------------------------------------|-------|-------|-----------------------------------------------|
| for GLib                                                               |                                               |       |       |                                               |
| ii glib-networking-common<br>giomodules for GLib - data files          | 2.48.2-1~ubuntu16.04.1                        |       | all   | network-related                               |
| ii glib-networking-services<br>giomodules for GLib - D-Bus services    | 2.48.2-1~ubuntu16.04.1                        |       | amd64 | network-related                               |
| ii gnome-accessibility-themes<br>themes for the GNOME desktop          | 3.18.0-2ubuntu1                               |       | all   | Accessibility                                 |
| ii gnome-bluetooth<br>tools                                            | 3.18.2-1ubuntu2                               |       | amd64 | GNOME Bluetooth                               |
| ii gnome-calculator<br>calculator                                      | 1:3.18.3-0ubuntu1.16.04.1                     |       | amd64 | GNOME desktop                                 |
| ii gnome-calendar<br>for GNOME                                         | 3.20.4-0ubuntu0.1                             |       | amd64 | Calendar application                          |
| ii gnome-desktop3-data                                                 | 3.18.2-1ubuntu1                               | all   |       | Common files for GNOME desktop apps           |
| ii gnome-disk-utility<br>configure disk drives and media               | 3.18.3.1-1ubuntu1                             |       | amd64 | manage and                                    |
| ii gnome-font-viewer<br>GNOME                                          | 3.16.2-1ubuntu1                               |       | amd64 | font viewer for                               |
| ii gnome-keyring<br>services (daemon and tools)                        | 3.18.3-0ubuntu2                               |       | amd64 | GNOME keyring                                 |
| ii gnome-mahjongg<br>game for GNOME                                    | 1:3.18.0-1                                    |       | amd64 | classic Eastern tile                          |
| ii gnome-menus<br>implementation of the freedesktop menu specification | 3.13.3-6ubuntu3.1                             |       | amd64 | GNOME                                         |
| ii gnome-mines                                                         | 1:3.18.2-2                                    | amd64 |       | popular minesweeper puzzle game for GNOME     |
| ii gnome-orca                                                          | 3.18.2-1ubuntu3                               |       | all   | Scriptable screen reader                      |
| ii gnome-power-manager<br>management tool for the GNOME desktop        | 3.18.0-1ubuntu1                               |       | amd64 | power                                         |
| ii gnome-screensaver<br>saver and locker                               | 3.6.1-7ubuntu4                                |       | amd64 | GNOME screen                                  |
| ii gnome-screenshot<br>application for GNOME                           | 3.18.0-1ubuntu2                               |       | amd64 | screenshot                                    |
| ii gnome-session-bin<br>Session Manager - Minimal runtime              | 3.18.1.2-1ubuntu1.16.04.2                     |       | amd64 | GNOME                                         |
| ii gnome-session-canberra                                              | 0.30-2.1ubuntu1                               | amd64 |       | GNOME session log in and log out sound events |
| ii gnome-session-common<br>Session Manager - common files              | 3.18.1.2-1ubuntu1.16.04.2                     |       | all   | GNOME                                         |
| ii gnome-settings-daemon-schemas<br>daemon schemas                     | 3.18.2-0ubuntu3.1                             |       | all   | gnome-settings-                               |
| ii gnome-software<br>Software Center for GNOME                         | 3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1 | amd64 |       |                                               |
| ii gnome-software-common<br>Software Center for GNOME (common files)   | 3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1 | all   |       |                                               |
| ii gnome-sudoku<br>for GNOME                                           | 1:3.18.4-0ubuntu2                             |       | amd64 | Sudoku puzzle game                            |

|    |                                                                                    |                               |       |                                           |
|----|------------------------------------------------------------------------------------|-------------------------------|-------|-------------------------------------------|
| ii | gnome-system-log<br>GNOME                                                          | 3.9.90-4                      | amd64 | system log viewer for                     |
| ii | gnome-system-monitor<br>system resource monitor for GNOME                          | 3.18.2-1ubuntu1               | amd64 | Process viewer and                        |
| ii | gnome-terminal<br>emulator application                                             | 3.18.3-1ubuntu1               | amd64 | GNOME terminal                            |
| ii | gnome-terminal-data<br>GNOME terminal emulator                                     | 3.18.3-1ubuntu1               | all   | Data files for the                        |
| ii | gnome-user-guide                                                                   | 3.18.1-1                      | all   | GNOME user's guide                        |
| ii | gnome-user-share<br>sharing via WebDAV or ObexFTP                                  | 3.14.2-2ubuntu4               | amd64 | User level public file                    |
| ii | gnome-video-effects<br>GStreamer effects                                           | 0.4.1-3ubuntu1                | all   | Collection of                             |
| ii | gnupg<br>replacement                                                               | 1.4.20-1ubuntu3.1             | amd64 | GNU privacy guard - a free PGP            |
| ii | gnupg-agent<br>cryptographic agent                                                 | 2.1.11-6ubuntu2               | amd64 | GNU privacy guard -                       |
| ii | gnupg2<br>free PGP replacement (new v2.x)                                          | 2.1.11-6ubuntu2               | amd64 | GNU privacy guard - a                     |
| ii | google-chrome-stable<br>from Google                                                | 56.0.2924.76-1                | amd64 | The web browser                           |
| ii | google-talkplugin                                                                  | 5.41.3.0-1                    | amd64 | Google Talk Plugin                        |
| ii | gpgv<br>signature verification tool                                                | 1.4.20-1ubuntu3.1             | amd64 | GNU privacy guard -                       |
| ii | graphviz<br>2.38.0-12ubuntu2.1                                                     | amd64                         |       | rich set of graph drawing tools           |
| ii | grep                                                                               | 2.25-1~16.04.1                | amd64 | GNU grep, egrep and fgrep                 |
| ii | grilo-plugins-0.2-base:amd64<br>discovering and browsing media - Base Plugins      | 0.2.17-0ubuntu2               | amd64 | Framework for                             |
| ii | groff-base<br>system (base system components)                                      | 1.22.3-7                      | amd64 | GNU troff text-formatting                 |
| ii | grub-common<br>Bootloader (common files)                                           | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified                             |
| ii | grub-efi-amd64<br>Bootloader, version 2 (EFI-AMD64 version)                        | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified                             |
| ii | grub-efi-amd64-bin<br>AMD64 binaries)                                              | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified Bootloader, version 2 (EFI- |
| ii | grub-efi-amd64-signed<br>Unified Bootloader, version 2 (EFI-AMD64 version, signed) | 1.66.7+2.02~beta2-36ubuntu3.7 | amd64 | GRand                                     |
| ii | grub2-common<br>Bootloader (common files for version 2)                            | 2.02~beta2-36ubuntu3.7        | amd64 | GRand Unified                             |
| ii | gsettings-desktop-schemas<br>wide schemas                                          | 3.18.1-1ubuntu1               | all   | GSettings desktop-                        |
| ii | gsettings-ubuntu-schemas<br>desktop-wide schemas for Ubuntu                        | 0.0.5+16.04.20160307-0ubuntu1 | all   | GSettings                                 |

|    |                                               |                                     |       |                                                  |
|----|-----------------------------------------------|-------------------------------------|-------|--------------------------------------------------|
| ii | gsfonts                                       | 1:8.11+urwcyr1.0.7~pre44-4.2ubuntu1 | all   | Fonts for the Ghostscript interpreter(s)         |
| ii | gsfonts-x11                                   | 0.24                                | all   | Make Ghostscript fonts available to X11          |
| ii | gststreamer1.0-alsa:amd64                     | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer plugin for ALSA                        |
| ii | gststreamer1.0-clutter-3.0                    | 3.0.18-1                            | amd64 | Clutter PPlugin for GStreamer 1.0                |
| ii | gststreamer1.0-fluendo-mp3:amd64              | 0.10.32.debian-1                    | amd64 | Fluendo mp3 decoder GStreamer 1.0 plugin         |
| ii | gststreamer1.0-libav:amd64                    | 1.8.2-1~ubuntu1                     | amd64 | libav plugin for GStreamer                       |
| ii | gststreamer1.0-plugins-bad:amd64              | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer plugins from the "bad" set             |
| ii | gststreamer1.0-plugins-bad-faad:amd64         | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer faad plugin from the "bad" set         |
| ii | gststreamer1.0-plugins-bad-videmparsers:amd64 | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer videmparsers plugin from the "bad" set |
| ii | gststreamer1.0-plugins-base:amd64             | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer plugins from the "base" set            |
| ii | gststreamer1.0-plugins-base:i386              | 1.8.2-1ubuntu0.2                    | i386  | GStreamer plugins from the "base" set            |
| ii | gststreamer1.0-plugins-base-apps              | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer helper programs from the "base" set    |
| ii | gststreamer1.0-plugins-good:amd64             | 1.8.2-1ubuntu0.3                    | amd64 | GStreamer plugins from the "good" set            |
| ii | gststreamer1.0-plugins-good:i386              | 1.8.2-1ubuntu0.3                    | i386  | GStreamer plugins from the "good" set            |
| ii | gststreamer1.0-plugins-ugly:amd64             | 1.8.2-1ubuntu0.1                    | amd64 | GStreamer plugins from the "ugly" set            |
| ii | gststreamer1.0-plugins-ugly-amr:amd64         | 1.8.2-1ubuntu0.1                    | amd64 | GStreamer plugins from the "ugly" set            |
| ii | gststreamer1.0-pulseaudio:amd64               | 1.8.2-1ubuntu0.3                    | amd64 | GStreamer plugin for PulseAudio                  |
| ii | gststreamer1.0-tools                          | 1.8.2-1~ubuntu1                     | amd64 | Tools for use with GStreamer                     |
| ii | gststreamer1.0-x:amd64                        | 1.8.2-1ubuntu0.2                    | amd64 | GStreamer plugins for X11 and Pango              |
| ii | gststreamer1.0-x:i386                         | 1.8.2-1ubuntu0.2                    | i386  | GStreamer plugins for X11 and Pango              |
| ii | gtk2-engines-murrine:amd64                    | 0.98.2-0ubuntu2.2                   | amd64 | cairo-based gtk+-2.0 theme engine                |
| ii | gucharmap                                     | 1:3.18.2-1ubuntu1                   | amd64 | Unicode character picker and font browser        |
| ii | guile-2.0-libs:amd64                          | 2.0.11+1-10                         | amd64 | Core Guile libraries                             |
| ii | gvfs:amd64                                    | 1.28.2-1ubuntu1~16.04.1             | amd64 | userspace virtual filesystem - GIO module        |
| ii | gvfs-backends                                 | 1.28.2-1ubuntu1~16.04.1             | amd64 | userspace virtual                                |

|                                 |                                  |     |       |                                                   |
|---------------------------------|----------------------------------|-----|-------|---------------------------------------------------|
| filesystem - backends           |                                  |     |       |                                                   |
| ii gvfs-bin                     | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - binaries           |                                  |     |       |                                                   |
| ii gvfs-common                  | 1.28.2-1ubuntu1~16.04.1          | all |       | userspace virtual filesystem - common             |
| data files                      |                                  |     |       |                                                   |
| ii gvfs-daemons                 | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - servers            |                                  |     |       |                                                   |
| ii gvfs-fuse                    | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - fuse server        |                                  |     |       |                                                   |
| ii gvfs-libs:amd64              | 1.28.2-1ubuntu1~16.04.1          |     | amd64 | userspace virtual                                 |
| filesystem - private libraries  |                                  |     |       |                                                   |
| ii gyp                          | 0.1+20150913git1f374df9-1ubuntu1 |     | all   | Cross-platform                                    |
| build script generator          |                                  |     |       |                                                   |
| ii gzip                         | 1.6-4ubuntu1                     |     | amd64 | GNU compression utilities                         |
| ii hardening-includes           | 2.7ubuntu2                       | all |       | Makefile for enabling compiler flags for security |
| hardening                       |                                  |     |       |                                                   |
| ii hdparm                       | 9.48+ds-1                        |     | amd64 | tune hard disk parameters                         |
| for high performance            |                                  |     |       |                                                   |
| ii heroku                       | 3.43.16                          |     | all   | Client library and CLI to deploy                  |
| apps on Heroku.                 |                                  |     |       |                                                   |
| ii heroku-toolbelt              | 3.43.16                          |     | all   | A metapackage for working                         |
| with the Heroku platform.       |                                  |     |       |                                                   |
| ii hicolor-icon-theme           | 0.15-0ubuntu1                    |     | all   | default fallback theme                            |
| for FreeDesktop.org icon themes |                                  |     |       |                                                   |
| ii hostname                     | 3.16ubuntu2                      |     | amd64 | utility to set/show the                           |
| host name or domain             |                                  |     |       |                                                   |
| name                            |                                  |     |       |                                                   |
| ii hplip                        | 3.16.3+repack0-1                 |     | amd64 | HP Linux Printing and                             |
| Imaging System (HPLIP)          |                                  |     |       |                                                   |
| ii hplip-data                   | 3.16.3+repack0-1                 |     | all   | HP Linux Printing and                             |
| Imaging - data files            |                                  |     |       |                                                   |
| ii hud                          | 14.10+16.04.20160415-0ubuntu1    |     | amd64 | Backend for the                                   |
| Unity HUD                       |                                  |     |       |                                                   |
| ii humanity-icon-theme          | 0.6.10                           |     | all   | Humanity Icon theme                               |
| ii hunspell-en-au               | 1:5.1.0-1ubuntu2.2               |     | all   | English (Australia)                               |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-en-ca               | 1:5.1.0-1ubuntu2.2               |     | all   | English (Canada)                                  |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-en-gb               | 1:5.1.0-1ubuntu2.2               | all |       | English (GB) dictionary for hunspell              |
| ii hunspell-en-us               | 20070829-6ubuntu3                |     | all   | English_american                                  |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-en-za               | 1:5.1.0-1ubuntu2.2               |     | all   | English (South Africa)                            |
| dictionary for hunspell         |                                  |     |       |                                                   |
| ii hunspell-it                  | 1:5.1.0-1ubuntu2.2               |     | all   | Italian dictionary for                            |
| hunspell                        |                                  |     |       |                                                   |

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|----------------------------------------------------------------------------------------|---------------------------------|-------|----------------------------------------------------------------|
| ii hwdata<br>configuration data                                                        | 0.267-1                         | all   | hardware identification /                                      |
| ii hyphen-en-gb<br>hyphenation patterns                                                | 1:5.1.0-1ubuntu2.2              | all   | English (GB)                                                   |
| ii hyphen-en-us<br>2.8.8-2ubuntu1                                                      | all                             |       | US English hyphenation patterns for LibreOffice/OpenOffice.org |
| ii hyphen-it<br>patterns                                                               | 1:5.1.0-1ubuntu2.2              | all   | Italian hyphenation                                            |
| ii i965-va-driver:amd64<br>G45 & HD Graphics family                                    | 1.7.0-1                         | amd64 | VAAPI driver for Intel                                         |
| ii ibus                                                                                | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus - core                                   |
| ii ibus-gtk:amd64<br>GTK+2 support                                                     | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus -                                        |
| ii ibus-gtk3:amd64<br>- GTK+3 support                                                  | 1.5.11-1ubuntu2                 | amd64 | Intelligent Input Bus                                          |
| ii ibus-table<br>all table engine for IBus                                             | 1.9.1-3ubuntu2                  |       |                                                                |
| ii icedtea-netx-common<br>implementation of the Java Network Launching Protocol (JNLP) | 1.6.2-3ubuntu1                  | all   | NetX -                                                         |
| ii icu-devtools<br>International Components for Unicode                                | 55.1-7                          | amd64 | Development utilities for                                      |
| ii ifupdown<br>configure network interfaces                                            | 0.8.10ubuntu1.2                 | amd64 | high level tools to                                            |
| ii im-config<br>configuration framework                                                | 0.29-1ubuntu12.3                | all   | Input method                                                   |
| ii imagemagick<br>programs -- binaries                                                 | 8:6.8.9.9-7ubuntu5.3            | amd64 | image manipulation                                             |
| ii imagemagick-6.q16<br>8:6.8.9.9-7ubuntu5.3                                           | amd64                           |       | image manipulation programs -- quantum depth Q16               |
| ii imagemagick-common<br>manipulation programs -- infrastructure                       | 8:6.8.9.9-7ubuntu5.3            | all   | image                                                          |
| ii indicator-application<br>Indicators                                                 | 12.10.1+15.04.20150128-0ubuntu1 | amd64 | Application                                                    |
| ii indicator-appmenu<br>for application menus.                                         | 15.02.0+16.04.20151104-0ubuntu1 | amd64 | Indicator                                                      |
| ii indicator-bluetooth<br>bluetooth indicator.                                         | 0.0.6+16.04.20160526-0ubuntu1   | amd64 | System                                                         |
| ii indicator-datetime                                                                  | 15.10+16.04.20160406-0ubuntu1   | amd64 | Simple clock                                                   |
| ii indicator-keyboard<br>indicator                                                     | 0.0.0+16.04.20151125-0ubuntu1   | amd64 | Keyboard                                                       |
| ii indicator-messages<br>that collects messages that need a response                   | 13.10.1+15.10.20150505-0ubuntu1 | amd64 | indicator                                                      |
| ii indicator-power<br>showing power state.                                             | 12.10.6+16.04.20160105-0ubuntu1 | amd64 | Indicator                                                      |
| ii indicator-printers<br>showing active print jobs                                     | 0.1.7+15.04.20150220-0ubuntu2   | amd64 | indicator                                                      |
| ii indicator-session<br>showing session management, status and user switching          | 12.10.5+16.04.20160412-0ubuntu1 | amd64 | indicator                                                      |



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|-------------------------------------------------------------------------------|---------------------------------|-------|--------------------------------|
| ii indicator-sound<br>sound indicator.                                        | 12.10.2+16.04.20160406-0ubuntu1 | amd64 | System                         |
| ii info<br>documentation browser                                              | 6.1.0.dfsg.1-5                  | amd64 | Standalone GNU Info            |
| ii<br>init<br>metapackage                                                     | 1.29ubuntu3                     | amd64 | System-V-like init utilities - |
| ii init-system-helpers<br>systems                                             | 1.29ubuntu3                     | all   | helper tools for all init      |
| ii initramfs-tools<br>generator (automation)                                  | 0.122ubuntu8.8                  | all   | generic modular initramfs      |
| ii initramfs-tools-bin<br>initramfs-tools                                     | 0.122ubuntu8.8                  | amd64 | binaries used by               |
| ii initramfs-tools-core<br>initramfs generator (core tools)                   | 0.122ubuntu8.8                  | all   | generic modular                |
| ii initscripts<br>and shutting down the system                                | 2.88dsf-59.3ubuntu2             | amd64 | scripts for initializing       |
| ii<br>inputattach<br>attached peripherals to the input subsystem              | 1:1.4.9-1                       | amd64 | utility to connect serial-     |
| ii insserv<br>using LSB init.d script dependency information                  | 1.14.0-5ubuntu3                 | amd64 | boot sequence organizer        |
| ii install-info<br>documentation in info format                               | 6.1.0.dfsg.1-5                  | amd64 | Manage installed               |
| ii intel-gpu-tools<br>Intel graphics driver                                   | 1.14-1                          | amd64 | tools for debugging the        |
| ii intel-microcode<br>firmware for Intel CPUs                                 | 3.20151106.1                    | amd64 | Processor microcode            |
| ii intltool-debian<br>all Help i18n of RFC822 compliant config files          | 0.35.0+20060710.4               |       |                                |
| ii ippusbxd<br>support                                                        | 1.23-1                          | amd64 | Daemon for IPP USB printer     |
| ii iproute2<br>control tools                                                  | 4.3.0-1ubuntu3                  | amd64 | networking and traffic         |
| ii iptables<br>packet filtering and NAT                                       | 1.6.0-2ubuntu3                  | amd64 | administration tools for       |
| ii iputils-arping<br>echo requests to an ARP address                          | 3:20121221-5ubuntu2             | amd64 | Tool to send ICMP              |
| ii iputils-ping<br>reachability of network hosts                              | 3:20121221-5ubuntu2             | amd64 | Tools to test the              |
| ii iputils-tracpath<br>amd64 Tools to trace the network path to a remote host | 3:20121221-5ubuntu2             |       |                                |
| ii irqbalance<br>interrupts for SMP systems                                   | 1.1.0-2ubuntu1                  | amd64 | Daemon to balance              |
| ii isc-dhcp-client<br>automatically obtaining an IP address                   | 4.3.3-5ubuntu12.6               | amd64 | DHCP client for                |
| ii isc-dhcp-common<br>by all of the isc-dhcp packages                         | 4.3.3-5ubuntu12.6               | amd64 | common files used              |

|                                                                       |                           |       |                                                                        |
|-----------------------------------------------------------------------|---------------------------|-------|------------------------------------------------------------------------|
| ii iso-codes                                                          | 3.65-1                    | all   | ISO language, territory, currency, script codes and their translations |
| ii iucode-tool<br>microcode tool                                      | 1.5.1-1ubuntu0.1          | amd64 | Intel processor                                                        |
| ii iw                                                                 | 3.17-1                    |       |                                                                        |
|                                                                       | amd64                     |       | tool for configuring Linux wireless devices                            |
| ii java-common<br>runtimes                                            | 0.56ubuntu2               | all   | Base package for Java                                                  |
| ii javahelp2                                                          | 2.0.05.ds1-8              | all   | Java based help system                                                 |
| ii javascript-common<br>library packages                              | 11                        | all   | Base support for JavaScript                                            |
| ii jayatana<br>ayatana project                                        | 2.7-0ubuntu5              | amd64 | Java Native Library for                                                |
| ii jblas                                                              | 1.2.3-6                   | amd64 | fast linear algebra library for Java                                   |
| ii junit                                                              | 3.8.2-8build1             |       |                                                                        |
| all                                                                   |                           |       | Automated testing framework for Java                                   |
| ii junit4<br>framework for Java                                       | 4.12-4ubuntu1             | all   | JUnit regression test                                                  |
| ii kbd<br>keytable utilities                                          | 1.15.5-1ubuntu5           | amd64 | Linux console font and                                                 |
| ii kerneloops-daemon<br>tracker                                       | 0.12+git20140509-2ubuntu1 | amd64 | kernel oops                                                            |
| ii keyboard-configuration<br>keyboard preferences                     | 1.108ubuntu15.2           | all   | system-wide                                                            |
| ii keyutils<br>Utilities                                              | 1.5.9-8ubuntu1            | amd64 | Linux Key Management                                                   |
| ii klibc-utils<br>with klibc for early<br>boot                        | 2.0.4-8ubuntu1.16.04.2    | amd64 | small utilities built                                                  |
| ii kmod<br>kernel modules                                             | 22-1ubuntu4               | amd64 | tools for managing Linux                                               |
| ii krb5-locales<br>support for MIT Kerberos                           | 1.13.2+dfsg-5ubuntu1      | all   | Internationalization                                                   |
| ii language-pack-en<br>language English                               | 1:16.04+20161009          | all   | translation updates for                                                |
| ii language-pack-en-base<br>language English                          | 1:16.04+20160627          | all   | translations for                                                       |
| ii language-pack-gnome-en<br>translation updates for language English | 1:16.04+20161009          | all   | GNOME                                                                  |
| ii language-pack-gnome-en-base<br>translations for language English   | 1:16.04+20160627          | all   | GNOME                                                                  |
| ii language-pack-gnome-it<br>Italian                                  | 1:16.04+20161009          | all   | GNOME translation updates for language                                 |
| ii language-pack-gnome-it-base<br>translations for language Italian   | 1:16.04+20160627          | all   | GNOME                                                                  |
| ii language-pack-it                                                   | 1:16.04+20161009          | all   | translation updates for                                                |

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|-----------------------------------------------------------------------|------------------------------------|---------------------------------------------------------------------|-------|----------------------------|
| language Italian                                                      |                                    |                                                                     |       |                            |
| ii language-pack-it-base                                              | 1:16.04+20160627                   |                                                                     | all   | translations for           |
| language Italian                                                      |                                    |                                                                     |       |                            |
| ii language-selector-common                                           | 0.165.4                            |                                                                     | all   | Language selector for      |
| Ubuntu                                                                |                                    |                                                                     |       |                            |
| ii language-selector-gnome                                            | 0.165.4                            |                                                                     | all   | Language selector for      |
| Ubuntu                                                                |                                    |                                                                     |       |                            |
| ii laptop-detect                                                      |                                    |                                                                     |       |                            |
| 0.13.7ubuntu2                                                         | amd64                              | attempt to detect a laptop                                          |       |                            |
| ii less                                                               | 481-2.1ubuntu0.1                   |                                                                     | amd64 | pager program similar to   |
| more                                                                  |                                    |                                                                     |       |                            |
| ii lib32z1                                                            | 1:1.2.8.dfsg-2ubuntu4              |                                                                     | amd64 | compression library -      |
| 32 bit runtime                                                        |                                    |                                                                     |       |                            |
| ii libal1y-profile-manager-0.1-0:amd64                                | 0.1.10-0ubuntu3                    |                                                                     | amd64 |                            |
| Accessibility profile manager - Shared library                        |                                    |                                                                     |       |                            |
| ii libal1y-profile-manager-data                                       | 0.1.10-0ubuntu3                    |                                                                     | all   | Accessibility              |
| Profile Manager - GSettings data                                      |                                    |                                                                     |       |                            |
| ii liba52-0.7.4:amd64                                                 | 0.7.4-18                           |                                                                     | amd64 | library for decoding       |
| ATSC A/52 streams                                                     |                                    |                                                                     |       |                            |
| ii libaa1:amd64                                                       | 1.4p5-44build1                     |                                                                     |       |                            |
| amd64                                                                 |                                    | ASCII art library                                                   |       |                            |
| ii libaa1:i386                                                        | 1.4p5-44build1                     |                                                                     | i386  | ASCII art library          |
| ii libaacs0:amd64                                                     | 0.8.1-1                            |                                                                     | amd64 | free-and-libre             |
| implementation of AACs                                                |                                    |                                                                     |       |                            |
| ii libabw-0.1-1v5:amd64                                               | 0.1.1-2ubuntu2                     |                                                                     | amd64 | library for reading        |
| and writing AbiWord(tm) documents                                     |                                    |                                                                     |       |                            |
| ii libaccount-plugin-1.0-0:amd64                                      | 0.1.8+16.04.20160201-0ubuntu1      |                                                                     | amd64 |                            |
| libaccount-plugin for Unity Control Center                            |                                    |                                                                     |       |                            |
| ii libaccount-plugin-generic-oauth                                    | 0.12+16.04.20160126-0ubuntu1       |                                                                     | amd64 |                            |
| GNOME Control Center account plugin for single signon - generic OAuth |                                    |                                                                     |       |                            |
| ii libaccount-plugin-google                                           | 0.12+16.04.20160126-0ubuntu1       |                                                                     |       |                            |
| amd64                                                                 |                                    | GNOME Control Center account plugin for single signon - Google Auth |       |                            |
| ii libaccounts-glib0:amd64                                            | 1.21+16.04.20160222-0ubuntu1       |                                                                     | amd64 | library for                |
| single signon                                                         |                                    |                                                                     |       |                            |
| ii libaccounts-qt5-1:amd64                                            | 1.14+16.04.20151106.1-0ubuntu1     |                                                                     | amd64 | QT                         |
| library for single sign on                                            |                                    |                                                                     |       |                            |
| ii libaccountsservice0:amd64                                          | 0.6.40-2ubuntu11.3                 |                                                                     | amd64 | query and                  |
| manipulate user account information - shared libraries                |                                    |                                                                     |       |                            |
| ii libacl1:amd64                                                      | 2.2.52-3                           |                                                                     | amd64 | Access control list shared |
| library                                                               |                                    |                                                                     |       |                            |
| ii libalgorithm-diff-perl                                             | 1.19.03-1                          |                                                                     | all   | module to find differences |
| between files                                                         |                                    |                                                                     |       |                            |
| ii libalgorithm-diff-xs-perl                                          | 0.04-4build1                       |                                                                     |       |                            |
| amd64                                                                 |                                    | module to find differences between files (XS accelerated)           |       |                            |
| ii libalgorithm-merge-perl                                            | 0.08-3                             |                                                                     | all   | Perl module for three-way  |
| merge of textual data                                                 |                                    |                                                                     |       |                            |
| ii libandroid-properties1                                             | 0.1.0+git20151016+6d424c9-0ubuntu7 |                                                                     | amd64 | Library                    |
| to provide access to get, set and list Android properties             |                                    |                                                                     |       |                            |

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|---------------------------------------------------------------------------|---------------------------------|-------|-------------------------------------------------|
| ii libao-common<br>Output Library (Common files)                          | 1.1.0-3ubuntu1                  | all   | Cross Platform Audio                            |
| ii libao4:amd64<br>Output Library                                         | 1.1.0-3ubuntu1                  | amd64 | Cross Platform Audio                            |
| ii libaopalliance-java<br>for Java AOP implementations                    | 20070526-5                      | all   | library for interoperability                    |
| ii libapache-pom-java<br>10-2build1                                       | all                             |       | Maven metadata for all Apache Software projects |
| ii libapparmor-perl<br>Perl bindings                                      | 2.10.95-0ubuntu2.5              | amd64 | AppArmor library                                |
| ii libapparmor1:amd64<br>AppArmor library                                 | 2.10.95-0ubuntu2.5              | amd64 | changehat                                       |
| ii libappindicator1<br>Indicators                                         | 12.10.1+15.04.20141110-0ubuntu1 | amd64 | Application                                     |
| ii libappindicator3-1<br>Indicators                                       | 12.10.1+15.04.20141110-0ubuntu1 | amd64 | Application                                     |
| ii libappstream-glib8:amd64<br>to access AppStream services               | 0.5.13-1ubuntu4                 | amd64 | GNOME library                                   |
| ii libappstream3:amd64<br>Library to access AppStream services            | 0.9.4-1ubuntu2                  | amd64 |                                                 |
| ii libapt-inst2.0:amd64<br>runtime library                                | 1.2.18                          | amd64 | deb package format                              |
| ii libapt-pkg-perl<br>pkg                                                 | 0.1.29build7                    | amd64 | Perl interface to libapt-                       |
| ii libapt-pkg5.0:amd64<br>runtime library                                 | 1.2.18                          | amd64 | package management                              |
| ii libarchive-zip-perl<br>of ZIP archives                                 | 1.56-2                          | all   | Perl module for manipulation                    |
| ii libarchive13:amd64<br>archive and compression library (shared library) | 3.1.2-11ubuntu0.16.04.2         | amd64 | Multi-format                                    |
| ii libart-2.0-2:amd64<br>for 2D graphics - runtime files                  | 2.3.21-2                        | amd64 | Library of functions                            |
| ii libasan1:amd64<br>fast memory error detector                           | 4.9.3-13ubuntu2                 | amd64 | AddressSanitizer -- a                           |
| ii libasan2:amd64<br>- a fast memory error detector                       | 5.4.0-6ubuntu1~16.04.4          | amd64 | AddressSanitizer -                              |
| ii libasm4-java<br>framework                                              | 5.0.4-1                         | all   | Java bytecode manipulation                      |
| ii libasn1-8-heimdal:amd64<br>Kerberos - ASN.1 library                    | 1.7~git20150920+dfsg-4ubuntu1   | amd64 | Heimdal                                         |
| ii libasound2:amd64<br>ALSA applications                                  | 1.1.0-0ubuntu1                  | amd64 | shared library for                              |
| ii libasound2:i386<br>ALSA applications                                   | 1.1.0-0ubuntu1                  | i386  | shared library for                              |
| ii libasound2-data<br>profiles for ALSA drivers                           | 1.1.0-0ubuntu1                  | all   | Configuration files and                         |
| ii libasound2-plugins:amd64<br>additional plugins                         | 1.1.0-0ubuntu1                  | amd64 | ALSA library                                    |

|                                                                               |                         |                                           |                                                     |
|-------------------------------------------------------------------------------|-------------------------|-------------------------------------------|-----------------------------------------------------|
| ii libasound2-plugins:i386<br>additional plugins                              | 1.1.0-0ubuntu1          | i386                                      | ALSA library                                        |
| ii libaspell15:amd64<br>spell-checker runtime library                         | 0.60.7~20110707-3build1 | amd64                                     | GNU Aspell                                          |
| ii libaspell15:i386<br>spell-checker runtime library                          | 0.60.7~20110707-3build1 | i386                                      | GNU Aspell spell-                                   |
| ii libasprintf-dev:amd64<br>Internationalization library development<br>files | 0.19.7-2ubuntu3         | amd64                                     | GNU                                                 |
| ii libasprintf0v5:amd64<br>fprintf and friends in C++                         | 0.19.7-2ubuntu3         | amd64                                     | GNU library to use                                  |
| ii libass5:amd64<br>subtitles rendering                                       | 0.13.1-1                | amd64                                     | library for SSA/ASS                                 |
| ii libassuan0:amd64<br>GnuPG components                                       | 2.4.2-2                 | amd64                                     | IPC library for the                                 |
| ii libasyncns0:amd64<br>service query library                                 | 0.8-5build1             | amd64                                     | Asynchronous name                                   |
| ii libasyncns0:i386<br>service query library                                  | 0.8-5build1             | i386                                      | Asynchronous name                                   |
| ii libatasmart4:amd64<br>reading and parsing library                          | 0.19-3                  | amd64                                     | ATA S.M.A.R.T.                                      |
| ii libatinject-jsr330-api-java<br>1.0+ds1-2                                   | all                     | Java API for JSR-330 Dependency Injection |                                                     |
| ii libatk-adaptor:amd64<br>bridge                                             | 2.18.1-2ubuntu1         | amd64                                     | AT-SPI 2 toolkit                                    |
| ii libatk-bridge2.0-0:amd64<br>bridge - shared library                        | 2.18.1-2ubuntu1         | amd64                                     | AT-SPI 2 toolkit                                    |
| ii libatk1.0-0:amd64<br>toolkit                                               | 2.18.0-1                | amd64                                     | ATK accessibility                                   |
| ii libatk1.0-0:i386                                                           | 2.18.0-1                | i386                                      | ATK accessibility toolkit                           |
| ii libatk1.0-data<br>accessibility toolkit                                    | 2.18.0-1                | all                                       | Common files for the ATK                            |
| ii libatk1.0-dev<br>amd64                                                     | 2.18.0-1                |                                           | Development files for the ATK accessibility toolkit |
| ii libatkmm-1.6-1v5:amd64<br>ATK accessibility toolkit (shared libraries)     | 2.24.2-1                | amd64                                     | C++ wrappers for                                    |
| ii libatlas-base-dev<br>Linear Algebra Software, generic static               | 3.10.2-9                | amd64                                     | Automatically Tuned                                 |
| ii libatlas-dev<br>Linear Algebra Software, C header files                    | 3.10.2-9                | amd64                                     | Automatically Tuned Linear                          |
| ii libatlas3-base<br>Linear Algebra Software, generic shared                  | 3.10.2-9                | amd64                                     | Automatically Tuned                                 |
| ii libatml:amd64<br>(Asynchronous<br>Transfer Mode)                           | 1:2.5.1-1.5             | amd64                                     | shared library for ATM                              |
| ii libatomic1:amd64<br>providing __atomic built-in functions                  | 5.4.0-6ubuntu1~16.04.4  | amd64                                     | support library                                     |
| ii libatspi2.0-0:amd64                                                        | 2.18.3-4ubuntu1         | amd64                                     | Assistive                                           |

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| Technology Service Provider Interface - shared library |                           |       |                                                                              |  |
| ii libattr1:amd64                                      | 1:2.4.47-2                | amd64 | Extended attribute shared library                                            |  |
| ii libaudio2:amd64                                     | 1.9.4-4                   | amd64 | Network Audio System - shared libraries                                      |  |
| ii libaudio2:i386                                      | 1.9.4-4                   | i386  | Network Audio System - shared libraries                                      |  |
| ii libaudit-common                                     | 1:2.4.5-1ubuntu2          | all   | Dynamic library for security auditing - common files                         |  |
| ii libaudit1:amd64                                     | 1:2.4.5-1ubuntu2          | amd64 | Dynamic library for security auditing                                        |  |
| ii libauthen-sasl-perl                                 | 2.1600-1                  | all   | Authen::SASL - SASL Authentication framework                                 |  |
| ii libavahi-client3:amd64                              | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi client library                                                         |  |
| ii libavahi-client3:i386                               | 0.6.32~rc+dfsg-1ubuntu2   | i386  | Avahi client library                                                         |  |
| ii libavahi-common-data:amd64                          | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi common data files                                                      |  |
| ii libavahi-common-data:i386                           | 0.6.32~rc+dfsg-1ubuntu2   | i386  | Avahi common data files                                                      |  |
| ii libavahi-common3:amd64                              | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi common library                                                         |  |
| ii libavahi-common3:i386                               | 0.6.32~rc+dfsg-1ubuntu2   | i386  | Avahi common library                                                         |  |
| ii libavahi-core7:amd64                                | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi's embeddable mDNS/DNS-SD library                                       |  |
| ii libavahi-glib1:amd64                                | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi GLib integration library                                               |  |
| ii libavahi-ui-gtk3-0:amd64                            | 0.6.32~rc+dfsg-1ubuntu2   | amd64 | Avahi GTK+ User interface library for GTK3                                   |  |
| ii libavc1394-0:amd64                                  | 0.5.4-4                   | amd64 | control IEEE 1394 audio/video devices                                        |  |
| ii libavc1394-0:i386                                   | 0.5.4-4                   | i386  | control IEEE 1394 audio/video devices                                        |  |
| ii libavcodec-dev:amd64                                | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with de/encoders for audio/video codecs - development files   |  |
| ii libavcodec-ffmpeg56:amd64                           | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with de/encoders for audio/video codecs - runtime files       |  |
| ii libavfilter-ffmpeg5:amd64                           | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library containing media filters - runtime files                      |  |
| ii libavformat-dev:amd64                               | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with (de)muxers for multimedia containers - development files |  |
| ii libavformat-ffmpeg56:amd64                          | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library with (de)muxers for multimedia containers - runtime files     |  |
| ii libavresample-ffmpeg2:amd64                         | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg compatibility library for resampling - runtime files                  |  |

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| ii libavutil-dev:amd64             | 7:2.8.10-0ubuntu0.16.04.1          | amd64 | FFmpeg library with functions for simplifying programming - development files  |
| ii libavutil-ffmpeg54:amd64        | 7:2.8.10-0ubuntu0.16.04.1          | amd64 | FFmpeg library with functions for simplifying programming - runtime files      |
| ii libbabeltrace-ctf1:amd64        | 1.3.2-1                            | amd64 | Common Trace Format (CTF) library                                              |
| ii libbabeltrace1:amd64            | 1.3.2-1                            | amd64 | Babeltrace conversion libraries                                                |
| ii libbamf3-2:amd64                | 0.5.3~bZR0+16.04.20160824-0ubuntu1 |       | amd64 Window matching library - shared library                                 |
| ii libbdplus0:amd64                | 0.1.2-1                            | amd64 | implementation of BD+ for reading Blu-ray Discs                                |
| ii libbind9-140:amd64              | 1:9.10.3.dfsg.P4-8ubuntu1.4        | amd64 | BIND9 Shared Library used by BIND                                              |
| ii libbison-dev:amd64              | 2:3.0.4.dfsg-1                     | amd64 | YACC-compatible parser generator - development library                         |
| ii libblas-common                  | 3.6.0-2ubuntu2                     | amd64 | Dependency package for all BLAS implementations                                |
| ii libblas-dev                     | 3.6.0-2ubuntu2                     | amd64 | Basic Linear Algebra Subroutines 3, static library                             |
| ii libblas3                        | 3.6.0-2ubuntu2                     |       | amd64 Basic Linear Algebra Reference implementations, shared library           |
| ii libblkid1:amd64                 | 2.27.1-6ubuntu3.2                  | amd64 | block device ID library                                                        |
| ii libbluetooth3:amd64             | 5.37-0ubuntu5                      | amd64 | Library to use the BlueZ Linux Bluetooth stack                                 |
| ii libbluray1:amd64                | 1:0.9.2-2                          | amd64 | Blu-ray disc playback support library (shared library)                         |
| ii libboost-date-time1.58.0:amd64  | 1.58.0+dfsg-5ubuntu3.1             | amd64 | set of date-time libraries based on generic programming concepts               |
| ii libboost-filesystem1.58.0:amd64 | 1.58.0+dfsg-5ubuntu3.1             | amd64 | filesystem operations (portable paths, iteration over directories, etc) in C++ |
| ii libboost-iostreams1.58.0:amd64  | 1.58.0+dfsg-5ubuntu3.1             | amd64 | Boost.Iostreams Library                                                        |
| ii libboost-system1.58.0:amd64     | 1.58.0+dfsg-5ubuntu3.1             | amd64 | Operating system (e.g. diagnostics support) library                            |
| ii libbrlapi0.6:amd64              | 5.3.1-2ubuntu2.1                   | amd64 | braille display access via BRLTTY - shared library                             |
| ii libbs2b0:amd64                  | 3.1.0+dfsg-2.2                     | amd64 | Bauer stereophonic-to-binaural DSP library                                     |
| ii libbsd0:amd64                   | 0.8.2-1                            | amd64 | utility functions from BSD systems - shared library                            |
| ii libbsd0:i386                    | 0.8.2-1                            | i386  | utility functions from BSD systems - shared library                            |
| ii libbsh-java                     | 2.0b4-17ubuntu1                    | all   | Java scripting environment (BeanShell) Version 2 (library)                     |
| ii libbz2-1.0:amd64                | 1.0.6-8                            | amd64 | high-quality block-                                                            |

|                                                  |                            |  |       |                                           |
|--------------------------------------------------|----------------------------|--|-------|-------------------------------------------|
| sorting file compressor library - runtime        |                            |  |       |                                           |
| ii libbz2-1.0:i386                               | 1.0.6-8                    |  | i386  | high-quality block-sorting                |
| file compressor library - runtime                |                            |  |       |                                           |
| ii libc-bin                                      | 2.23-0ubuntu5              |  | amd64 | GNU C Library: Binaries                   |
| ii libc-dev-bin                                  | 2.23-0ubuntu5              |  | amd64 | GNU C Library:                            |
| Development binaries                             |                            |  |       |                                           |
| ii libc6:amd64                                   | 2.23-0ubuntu5              |  | amd64 | GNU C Library: Shared                     |
| libraries                                        |                            |  |       |                                           |
| ii libc6:i386                                    | 2.23-0ubuntu5              |  | i386  | GNU C Library: Shared                     |
| libraries                                        |                            |  |       |                                           |
| ii libc6-dbg:amd64                               | 2.23-0ubuntu5              |  | amd64 | GNU C Library:                            |
| detached debugging symbols                       |                            |  |       |                                           |
| ii libc6-dev:amd64                               | 2.23-0ubuntu5              |  | amd64 | GNU C Library:                            |
| Development Libraries and Header Files           |                            |  |       |                                           |
| ii libc6-i386                                    | 2.23-0ubuntu5              |  | amd64 | GNU C Library: 32-bit                     |
| shared libraries for AMD64                       |                            |  |       |                                           |
| ii libcaca0:amd64                                | 0.99.beta19-2build2~gcc5.2 |  | amd64 | colour ASCII art                          |
| library                                          |                            |  |       |                                           |
| ii libcaca0:i386                                 | 0.99.beta19-2build2~gcc5.2 |  | i386  | colour ASCII art                          |
| library                                          |                            |  |       |                                           |
| ii libcairo-gobject2:amd64                       | 1.14.6-1                   |  | amd64 | Cairo 2D vector graphics library (GObject |
| library)                                         |                            |  |       |                                           |
| ii libcairo-gobject2:i386                        | 1.14.6-1                   |  | i386  | Cairo 2D vector graphics                  |
| library (GObject library)                        |                            |  |       |                                           |
| ii libcairo-script-interpreter2:amd64            | 1.14.6-1                   |  | amd64 | Cairo 2D vector                           |
| graphics library (script interpreter)            |                            |  |       |                                           |
| ii libcairo2:amd64                               | 1.14.6-1                   |  | amd64 | Cairo 2D vector graphics                  |
| library                                          |                            |  |       |                                           |
| ii libcairo2:i386                                | 1.14.6-1                   |  | i386  | Cairo 2D vector graphics                  |
| library                                          |                            |  |       |                                           |
| ii libcairo2-dev                                 | 1.14.6-1                   |  | amd64 | Development files for the                 |
| Cairo 2D graphics library                        |                            |  |       |                                           |
| ii libcaiomm-1.0-1v5:amd64                       | 1.12.0-1                   |  | amd64 | C++ wrappers for Cairo (shared libraries) |
|                                                  |                            |  |       |                                           |
| ii libcamel-1.2-54:amd64                         | 3.18.5-1ubuntu1            |  | amd64 | Evolution MIME                            |
| message handling library                         |                            |  |       |                                           |
| ii libcanberra-gtk-module:amd64                  | 0.30-2.1ubuntu1            |  | amd64 | translates                                |
| GTK+ widgets signals to event sounds             |                            |  |       |                                           |
| ii libcanberra-gtk0:amd64                        | 0.30-2.1ubuntu1            |  | amd64 | GTK+ helper for                           |
| playing widget event sounds with libcanberra     |                            |  |       |                                           |
| ii libcanberra-gtk3-0:amd64                      | 0.30-2.1ubuntu1            |  | amd64 | GTK+ 3.0 helper                           |
| for playing widget event sounds with libcanberra |                            |  |       |                                           |
| ii libcanberra-gtk3-module:amd64                 | 0.30-2.1ubuntu1            |  | amd64 | translates                                |
| GTK3                                             |                            |  |       |                                           |
| widgets signals to event sounds                  |                            |  |       |                                           |
| ii libcanberra-pulse:amd64                       | 0.30-2.1ubuntu1            |  | amd64 | PulseAudio                                |
| backend for libcanberra                          |                            |  |       |                                           |



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|----------------------------------------------------------------------------|------------------------|-------|-----------------------------|
| ii libcanberra0:amd64<br>interface for playing event sounds                | 0.30-2.1ubuntu1        | amd64 | simple abstract             |
| ii libcap-ng0:amd64<br>capabilities library                                | 0.7.7-1                | amd64 | An alternate POSIX          |
| ii libcap2:amd64<br>capabilities (library)                                 | 1:2.24-12              | amd64 | POSIX 1003.1e               |
| ii libcap2:i386<br>(library)                                               | 1:2.24-12              | i386  | POSIX 1003.1e capabilities  |
| ii libcap2-bin<br>capabilities (utilities)                                 | 1:2.24-12              | amd64 | POSIX 1003.1e               |
| ii<br>libcc1-0:amd64<br>GDB                                                | 5.4.0-6ubuntu1~16.04.4 | amd64 | GCC cc1 plugin for          |
| ii libcdi-api-java<br>Injection for Java EE                                | 1.0-2                  | all   | Contexts and Dependency     |
| ii libcdio-cdda1:amd64<br>control digital audio CDs                        | 0.83-4.2ubuntu1        | amd64 | library to read and         |
| ii libcdio-paranoia1:amd64<br>digital audio CDs with error correction      | 0.83-4.2ubuntu1        | amd64 | library to read             |
| ii libcdio13:amd64<br>control CD-ROM                                       | 0.83-4.2ubuntu1        | amd64 | library to read and         |
| ii libcdparanoia0:amd64<br>tool for sampling CDs (library)                 | 3.10.2+debian-11       | amd64 | audio extraction            |
| ii<br>libcdparanoia0:i386<br>for sampling CDs (library)                    | 3.10.2+debian-11       | i386  | audio extraction tool       |
| ii libcdr-0.1-1:amd64<br>and converting Corel DRAW files                   | 0.1.2-2ubuntu2         | amd64 | library for reading         |
| ii libcdt5<br>tools - cdt library                                          | 2.38.0-12ubuntu2.1     | amd64 | rich set of graph drawing   |
| ii libcgi-fast-perl<br>FCGI                                                | 1:2.10-1               | all   | CGI subclass for work with  |
| ii libcgi-pm-perl<br>Interface applications                                | 4.26-1                 | all   | module for Common Gateway   |
| ii libcglib3-java<br>Java                                                  | 3.1+dfsg-1             | all   | code generation library for |
| ii<br>libcgmanager0:amd64<br>manager daemon (client library)               | 0.39-2ubuntu5          | amd64 | Central cgroup              |
| ii libcgraph6<br>drawing tools - cgraph library                            | 2.38.0-12ubuntu2.1     | amd64 | rich set of graph           |
| ii libcheese-gtk25:amd64<br>pictures and videos from your webcam - widgets | 3.18.1-2ubuntu3        | amd64 | tool to take                |
| ii libcheese8:amd64<br>and videos from your webcam - base library          | 3.18.1-2ubuntu3        | amd64 | tool to take pictures       |
| ii libchromaprint0:amd64<br>library                                        | 1.3-1                  | amd64 | audio fingerprint           |
| ii libcilkrts5:amd64                                                       | 5.4.0-6ubuntu1~16.04.4 | amd64 | Intel Cilk Plus             |

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| language extensions (runtime)                                                       |                               |       |                              |
| ii libclang-common-3.8-dev<br>Common development package                            | 1:3.8-2ubuntu4                | amd64 | clang library -              |
| ii libclang1-3.8:amd64<br>clang library                                             | 1:3.8-2ubuntu4                | amd64 | C interface to the           |
| ii libclass-accessor-perl<br>automatically generates accessors                      | 0.34-1                        | all   | Perl module that             |
| ii libclassworlds-java<br>developers requiring manipulation of ClassLoaders         | 1.1-final-5                   | all   | framework for container      |
| ii libclone-perl<br>copying Perl datatypes                                          | 0.38-1build1                  | amd64 | module for recursively       |
| ii libclucene-contribs1v5:amd64<br>amd64 language specific text analyzers (runtime) | 2.3.3.4-4.1                   |       |                              |
| ii libclucene-core1v5:amd64<br>featured text search engine (runtime)                | 2.3.3.4-4.1                   | amd64 | core library for full-       |
| ii libclutter-1.0-0:amd64<br>interactive canvas library                             | 1.24.2-1                      | amd64 | Open GL based                |
| ii libclutter-1.0-common<br>interactive canvas library (common files)               | 1.24.2-1                      | all   | Open GL based                |
| ii libclutter-gst-3.0-0:amd64<br>interactive canvas library GStreamer elements      | 3.0.18-1                      | amd64 | Open GL based                |
| ii libclutter-gtk-1.0-0:amd64<br>interactive canvas library GTK+ widget             | 1.6.6-1                       | amd64 | Open GL based                |
| ii libcmis-0.5-5v5:amd64<br>0.5.1-2ubuntu2                                          | amd64                         |       | CMIS protocol client library |
| ii libcogl-common<br>Abstraction/Utility Layer (common files)                       | 1.22.0-2                      | all   | Object oriented GL/GLES      |
| ii libcogl-pango20:amd64<br>GL/GLES Abstraction/Utility Layer                       | 1.22.0-2                      | amd64 | Object oriented              |
| ii libcogl-path20:amd64<br>GL/GLES Abstraction/Utility Layer                        | 1.22.0-2                      | amd64 | Object oriented              |
| ii libcogl20:amd64<br>GL/GLES Abstraction/Utility Layer                             | 1.22.0-2                      | amd64 | Object oriented              |
| ii libcolamd2.9.1:amd64<br>minimum degree ordering library for sparse matrices      | 1:4.4.6-1                     | amd64 | column approximate           |
| ii libcolord2:amd64<br>manage device colour profiles -- runtime                     | 1.2.12-1ubuntu1               | amd64 | system service to            |
| ii libcolorhug2:amd64<br>ColorHug colourimeter -- runtime                           | 1.2.12-1ubuntu1               | amd64 | library to access the        |
| ii libcolumbus1-common<br>matching engine - common files                            | 1.1.0+15.10.20150806-0ubuntu4 | all   | error tolerant               |
| ii libcolumbus1v5:amd64<br>tolerant matching engine - shared library                | 1.1.0+15.10.20150806-0ubuntu4 | amd64 | error                        |
| ii libcomerr2:amd64<br>description library                                          | 1.42.13-1ubuntu1              | amd64 | common error                 |
| ii libcomerr2:i386<br>description                                                   | 1.42.13-1ubuntu1              | i386  | common error                 |

|                                 |                                    |       |       |                                                                   |
|---------------------------------|------------------------------------|-------|-------|-------------------------------------------------------------------|
| library                         |                                    |       |       |                                                                   |
| ii libcommons-cli-java          | 1.3.1-3ubuntu1                     |       | all   | Command line arguments and options parsing library                |
| ii libcommons-codec-java        | 1.10-1                             |       | all   | encoder and decoders such as Base64 and hexadecimal codec         |
| ii libcommons-collections3-java | 3.2.2-1                            |       | all   | Apache Commons Collections - Extended Collections API for Java    |
| ii libcommons-httpclient-java   | 3.1-12                             |       | all   | Commons HTTPClient - Java library for creating HTTP clients       |
| ii libcommons-io-java           | 2.4-2                              |       | all   | Common useful IO related classes                                  |
| ii libcommons-lang-java         | 2.6-6ubuntu2                       |       | all   | Commons Lang - an extension of the java.lang package              |
| ii libcommons-lang3-java        | 3.4-1                              |       | all   | Extension of the java.lang package (for Java 5+)                  |
| ii libcommons-logging-java      | 1.2-1+build1                       |       | all   | common wrapper interface for several logging APIs                 |
| ii libcommons-math-java         | 2.2-5                              |       | all   | Java lightweight mathematics and statistics components            |
| ii libcommons-net-java          | 3.4-2ubuntu2                       |       | all   | Apache Commons Net - Java client API for basic Internet protocols |
| ii libcommons-net2-java         | 2.2-2                              |       | all   | internet protocol suite Java library                              |
| ii libcommons-parent-java       | 39-3                               | all   |       | Maven metadata for Apache Commons project                         |
| ii libcompizconfig0:amd64       | 1:0.9.12.2+16.04.20160823-0ubuntu1 |       | amd64 | Settings library for plugins - OpenCompositing Project            |
| ii libcrack2:amd64              | 2.9.2-1build2                      |       | amd64 | pro-active password checker library                               |
| ii libcroco3:amd64              | 0.6.11-1                           |       | amd64 | Cascading Style Sheet (CSS) parsing and manipulation toolkit      |
| ii libcryptsetup4:amd64         | 2:1.6.6-5ubuntu2                   |       | amd64 | disk encryption support - shared library                          |
| ii libcrystalhd3:amd64          | 1:0.0~git20110715.fdd2f19-11build1 |       | amd64 | Crystal HD Video Decoder (shared library)                         |
| ii libcups2:amd64               | 2.1.3-4                            | amd64 |       | Common UNIX Printing System(tm) - Core library                    |
| ii libcups2:i386                | 2.1.3-4                            |       | i386  | Common UNIX Printing System(tm) - Core library                    |
| ii libcups2-dev:amd64           | 2.1.3-4                            |       | amd64 | Common UNIX Printing System(tm) - Development files CUPS library  |
| ii libcupscgi1:amd64            | 2.1.3-4                            |       | amd64 | Common UNIX Printing System(tm) - CGI library                     |
| ii libcupsfilters1:amd64        | 1.8.3-2ubuntu3.1                   |       | amd64 | OpenPrinting CUPS Filters - Shared library                        |
| ii libcupsimage2:amd64          | 2.1.3-4                            |       | amd64 | Common UNIX Printing System(tm) - Raster image library            |
| ii libcupsmime1:amd64           |                                    |       |       |                                                                   |

|                             | 2.1.3-4                         | amd64 | Common UNIX Printing System(tm) - MIME                                       |
|-----------------------------|---------------------------------|-------|------------------------------------------------------------------------------|
| library                     |                                 |       |                                                                              |
| ii libcupsppdc1:amd64       | 2.1.3-4                         | amd64 | Common UNIX Printing System(tm) - PPD manipulation library                   |
| ii libcurl3:amd64           | 7.47.0-1ubuntu2.2               | amd64 | easy-to-use client-side URL transfer library (OpenSSL flavour)               |
| ii libcurl3-gnutls:amd64    | 7.47.0-1ubuntu2.2               | amd64 | easy-to-use client-side URL transfer library (GnuTLS flavour)                |
| ii libcv-dev:amd64          | 2.4.9.1+dfsg-1.5ubuntu1         | amd64 | Translation package for libcv-dev                                            |
| ii libcvaux-dev:amd64       | 2.4.9.1+dfsg-1.5ubuntu1         | amd64 | Translation package for libcvaux-dev                                         |
| ii libdaemon0:amd64         | 0.14-6                          | amd64 | lightweight C library for daemons - runtime library                          |
| ii libdata-alias-perl       | 1.20-1build1                    | amd64 | module to create aliases instead of copies                                   |
| ii libdatrie1:amd64         | 0.2.10-2                        | amd64 | Double-array trie library                                                    |
| ii libdatrie1:i386          | 0.2.10-2                        | i386  | Double-array trie library                                                    |
| ii libdb5.3:amd64           | 5.3.28-11                       | amd64 | Berkeley v5.3 Database Libraries [runtime]                                   |
| ii libdbus-1-3:amd64        | 1.10.6-1ubuntu3.3               | amd64 | simple interprocess messaging system (library)                               |
| ii libdbus-1-3:i386         | 1.10.6-1ubuntu3.3               | i386  | simple interprocess messaging system (library)                               |
| ii libdbus-glib-1-2:amd64   | 0.106-1                         | amd64 | simple interprocess messaging system (GLib-based shared library)             |
| ii libdbus-glib-1-2:i386    | 0.106-1                         | i386  | simple interprocess messaging system (GLib-based shared library)             |
| ii libdbusmenu-glib4:amd64  | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | library for passing menus over Dbus                                          |
| ii libdbusmenu-gtk3-4:amd64 | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | library for passing menus over Dbus - GTK+ version                           |
| ii libdbusmenu-gtk4:amd64   | 16.04.1+16.04.20160927-0ubuntu1 | amd64 | library for passing menus over Dbus - GTK+ version                           |
| ii libdbusmenu-qt2:amd64    | 0.9.3+16.04.20160218-0ubuntu1   | amd64 | Qt implementation of the DbusMenu protocol                                   |
| ii libdbusmenu-qt2:i386     | 0.9.3+16.04.20160218-0ubuntu1   | i386  | Qt implementation of the DbusMenu protocol                                   |
| ii libdbusmenu-qt5:amd64    | 0.9.3+16.04.20160218-0ubuntu1   | amd64 | Qt5 implementation of the DbusMenu protocol                                  |
| ii libdc1394-22:amd64       | 2.2.4-1                         | amd64 | high level programming interface for IEEE 1394 digital cameras               |
| ii libdc1394-22-dev:amd64   | 2.2.4-1                         | amd64 | high level programming interface for IEEE 1394 digital cameras - development |
| ii libdca0:amd64            | 0.0.5-7build1                   | amd64 | decoding library for DTS Coherent Acoustics streams                          |
| ii libdconf1:amd64          | 0.24.0-2                        | amd64 | simple configuration                                                         |

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| storage system - runtime library |                                    |       |       |                                                                       |
| ii libdconf1:i386                | 0.24.0-2                           |       | i386  | simple configuration storage                                          |
| system - runtime library         |                                    |       |       |                                                                       |
| ii libde265-0:amd64              | 1.0.2-2                            |       | amd64 | Open H.265 video codec implementation                                 |
| ii libdebconfclient0:amd64       | 0.198ubuntu1                       |       | amd64 | Debian Configuration Management System (C-implementation library)     |
| ii libdecoration0:amd64          | 1:0.9.12.2+16.04.20160823-0ubuntu1 |       | amd64 | Compiz window decoration library                                      |
| ii libdee-1.0-4:amd64            | 1.2.7+15.04.20150304-0ubuntu2      | amd64 |       | model to synchronize multiple instances over DBus - shared lib        |
| ii libdevmapper1.02.1:amd64      | 2:1.02.110-1ubuntu10               |       | amd64 | Linux Kernel Device Mapper userspace library                          |
| ii libdfu1:amd64                 | 0.7.0-0ubuntu4.3                   |       | amd64 | Firmware update daemon library for DFU support                        |
| ii libdigest-hmac-perl           | 1.03+dfsg-1                        |       | all   | module for creating standard message integrity checks                 |
| ii libdjvulibre-text             | 3.5.27.1-5                         |       | all   | Linguistic support files for libdjvulibre                             |
| ii libdjvulibre21:amd64          | 3.5.27.1-5                         |       | amd64 | Runtime support for the DjVu image format                             |
| ii libdmapsharing-3.0-2:amd64    | 2.9.34-1                           |       | amd64 | DMAP client and server library - runtime                              |
| ii libdns-export162              | 1:9.10.3.dfsg.P4-8ubuntu1.4        |       | amd64 | Exported DNS Shared Library                                           |
| ii libdns162:amd64               | 1:9.10.3.dfsg.P4-8ubuntu1.4        |       | amd64 | DNS Shared Library used by BIND                                       |
| ii libdom4j-java                 | 1.6.1+dfsg.3-2ubuntu1              |       | all   | flexible XML framework for Java                                       |
| ii libdotconf0:amd64             | 1.3-0.2                            |       | amd64 | Configuration file parser library - runtime files                     |
| ii libdouble-conversion1v5:amd64 | 2.0.1-3ubuntu2                     |       | amd64 | routines to convert IEEE floats to and from strings                   |
| ii libdoxia-core-java            | 1.1.4-3ubuntu1                     | all   |       | Doxia content generation framework (core)                             |
| ii libdpkg-perl                  | 1.18.4ubuntu1.1                    |       | all   | Dpkg perl modules                                                     |
| ii libdrm-amdgpu1:amd64          | 2.4.67-1ubuntu0.16.04.2            |       | amd64 | Userspace interface to amdgpu-specific kernel DRM services -- runtime |
| ii libdrm-amdgpu1:i386           | 2.4.67-1ubuntu0.16.04.2            |       | i386  | Userspace interface to amdgpu-specific kernel DRM services -- runtime |
| ii libdrm-dev:amd64              | 2.4.67-1ubuntu0.16.04.2            |       | amd64 | Userspace interface to kernel DRM services -- development files       |
| ii libdrm-intel1:amd64           | 2.4.67-1ubuntu0.16.04.2            |       | amd64 | Userspace interface to intel-specific kernel DRM services -- runtime  |
| ii libdrm-intel1:i386            | 2.4.67-1ubuntu0.16.04.2            |       | i386  | Userspace interface                                                   |

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|----------------------------------------------------------------|-------------------------|-------|--------------------------|--|
| to intel-specific kernel DRM services -- runtime               |                         |       |                          |  |
| ii libdrm-nouveau2:amd64                                       | 2.4.67-1ubuntu0.16.04.2 | amd64 | Userspace                |  |
| interface to nouveau-specific kernel DRM services -- runtime   |                         |       |                          |  |
| ii libdrm-nouveau2:i386                                        | 2.4.67-1ubuntu0.16.04.2 | i386  | Userspace                |  |
| interface to nouveau-specific kernel DRM services -- runtime   |                         |       |                          |  |
| ii libdrm-radeon1:amd64                                        | 2.4.67-1ubuntu0.16.04.2 | amd64 | Userspace                |  |
| interface to radeon-specific kernel DRM services -- runtime    |                         |       |                          |  |
| ii libdrm-radeon1:i386                                         | 2.4.67-1ubuntu0.16.04.2 | i386  | Userspace                |  |
| interface to radeon-specific kernel<br>DRM services -- runtime |                         |       |                          |  |
| ii libdrm2:amd64                                               | 2.4.67-1ubuntu0.16.04.2 | amd64 | Userspace                |  |
| interface to kernel DRM services -- runtime                    |                         |       |                          |  |
| ii libdrm2:i386                                                | 2.4.67-1ubuntu0.16.04.2 | i386  | Userspace interface      |  |
| to kernel DRM services -- runtime                              |                         |       |                          |  |
| ii libdv4:amd64                                                | 1.0.0-7                 | amd64 | software library for DV  |  |
| format digital video (runtime lib)                             |                         |       |                          |  |
| ii libdv4:i386                                                 | 1.0.0-7                 | i386  | software library for DV  |  |
| format digital video (runtime lib)                             |                         |       |                          |  |
| ii libdvnav4:amd64                                             | 5.0.3-1                 | amd64 | DVD navigation library   |  |
| ii libdvread4:amd64                                            | 5.0.3-1                 | amd64 |                          |  |
| library for reading DVDs                                       |                         |       |                          |  |
| ii libdw1:amd64                                                | 0.165-3ubuntu1          | amd64 | library that provides    |  |
| access to the DWARF debug information                          |                         |       |                          |  |
| ii libe-book-0.1-1:amd64                                       | 0.1.2-2ubuntu1          | amd64 | library for reading      |  |
| and converting various e-book formats                          |                         |       |                          |  |
| ii libeasymock-java                                            | 3.3.1+ds-3              | all   | Java library to generate |  |
| Mock Objects for given interfaces                              |                         |       |                          |  |
| ii libebook-1.2-10:amd64                                       | 3.18.5-1ubuntu1         | amd64 | Utility library          |  |
| for evolution data servers                                     |                         |       |                          |  |
| ii libebook-1.2-16:amd64                                       | 3.18.5-1ubuntu1         | amd64 | Client library for       |  |
| evolution address books                                        |                         |       |                          |  |
| ii libebook-contacts-1.2-2:amd64                               | 3.18.5-1ubuntu1         |       |                          |  |
| amd64 Client library for evolution contacts books              |                         |       |                          |  |
| ii libecal-1.2-19:amd64                                        | 3.18.5-1ubuntu1         | amd64 | Client library for       |  |
| evolution calendars                                            |                         |       |                          |  |
| ii libeclipse-aether-java                                      | 1.0.2-1                 | all   | Library to handle Java   |  |
| artifact repositories                                          |                         |       |                          |  |
| ii libcryptfs1                                                 | 111-0ubuntu1.1          | amd64 | ecryptfs cryptographic   |  |
| filesystem (library)                                           |                         |       |                          |  |
| ii libedata-book-1.2-25:amd64                                  | 3.18.5-1ubuntu1         | amd64 | Backend library          |  |
| for evolution address books                                    |                         |       |                          |  |
| ii libedata-cal-1.2-28:amd64                                   | 3.18.5-1ubuntu1         | amd64 | Backend library          |  |
| for evolution calendars                                        |                         |       |                          |  |
| ii libedataserver-1.2-21:amd64                                 | 3.18.5-1ubuntu1         |       |                          |  |
| amd64 Utility library for evolution data servers               |                         |       |                          |  |
| ii libedataserverui-1.2-1:amd64                                | 3.18.5-1ubuntu1         | amd64 | Utility library          |  |
| for evolution data servers                                     |                         |       |                          |  |
| ii libedit2:amd64                                              | 3.1-20150325-1ubuntu2   | amd64 | BSD editline and         |  |

|                                                    |                       |       |       |                                          |
|----------------------------------------------------|-----------------------|-------|-------|------------------------------------------|
| history libraries                                  |                       |       |       |                                          |
| ii libedit2:i386                                   | 3.1-20150325-1ubuntu2 |       | i386  | BSD editline and                         |
| history libraries                                  |                       |       |       |                                          |
| ii libefivar0:amd64                                | 0.23-2                |       | amd64 | Library to manage UEFI                   |
| variables                                          |                       |       |       |                                          |
| ii libegl1-mesa:amd64                              | 11.2.0-1ubuntu2.2     |       | amd64 | free                                     |
| implementation of the EGL API -- runtime           |                       |       |       |                                          |
| ii libegl1-mesa:i386                               | 11.2.0-1ubuntu2.2     |       | i386  |                                          |
| free implementation of the EGL API -- runtime      |                       |       |       |                                          |
| ii libelf1:amd64                                   | 0.165-3ubuntu1        |       | amd64 | library to read and                      |
| write ELF files                                    |                       |       |       |                                          |
| ii libelf1:i386                                    | 0.165-3ubuntu1        |       | i386  | library to read and write                |
| ELF files                                          |                       |       |       |                                          |
| ii libemail-valid-perl                             | 1.198-1               |       | all   | Perl module for checking the             |
| validity of Internet email addresses               |                       |       |       |                                          |
| ii libenchant1c2a:amd64                            | 1.6.0-10.1build2      |       | amd64 | Wrapper library                          |
| for various spell checker engines (runtime libs)   |                       |       |       |                                          |
| ii libenchant1c2a:i386                             | 1.6.0-10.1build2      |       | i386  | Wrapper library for                      |
| various spell checker engines (runtime libs)       |                       |       |       |                                          |
| ii libencode-locale-perl                           | 1.05-1                |       |       |                                          |
| all utility to determine the locale encoding       |                       |       |       |                                          |
| ii libeot0:amd64                                   | 0.01-3ubuntu1         |       | amd64 | Library for                              |
| parsing/convertng Embedded OpenType files          |                       |       |       |                                          |
| ii libepoxy0:amd64                                 | 1.3.1-1               |       | amd64 | OpenGL function pointer                  |
| management library                                 |                       |       |       |                                          |
| ii liberror-perl                                   | 0.17-1.2              |       | all   | Perl module for error/exception          |
| handling in an OO-ish way                          |                       |       |       |                                          |
| ii libespeak1:amd64                                | 1.48.04+dfsg-2        |       | amd64 | Multi-lingual                            |
| software speech synthesizer: shared library        |                       |       |       |                                          |
| ii libestr0                                        | 0.1.10-1              |       | amd64 | Helper functions for handling            |
| strings (lib)                                      |                       |       |       |                                          |
| ii libetonyek-0.1-1:amd64                          | 0.1.6-1ubuntu1        | amd64 |       | library for reading and converting Apple |
| Keynote presentations                              |                       |       |       |                                          |
| ii libevdev2:amd64                                 | 1.4.6+dfsg-1          |       | amd64 | wrapper library for                      |
| evdev devices                                      |                       |       |       |                                          |
| ii libevdocument3-4:amd64                          | 3.18.2-1ubuntu4       |       | amd64 | Document                                 |
| (PostScript, PDF) rendering library                |                       |       |       |                                          |
| ii libevent-2.0-5:amd64                            | 2.0.21-stable-2       |       | amd64 | Asynchronous event                       |
| notification library                               |                       |       |       |                                          |
| ii libevview3-3:amd64                              | 3.18.2-1ubuntu4       |       | amd64 | Document                                 |
| (PostScript, PDF) rendering library - Gtk+ widgets |                       |       |       |                                          |
| ii libexempi3:amd64                                | 2.2.2-2               |       | amd64 | library to parse XMP                     |
| metadata (Library)                                 |                       |       |       |                                          |
| ii libexif12:amd64                                 | 0.6.21-2              | amd64 |       | library to parse EXIF files              |
|                                                    |                       |       |       |                                          |
| ii libexiv2-14:amd64                               | 0.25-2.1              |       | amd64 | EXIF/IPTC metadata                       |
| manipulation library                               |                       |       |       |                                          |

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|-----------------------------------------------------------------------------------|----------------------------|-------|-----------------------------------------------------------------|
| ii libexpat1:amd64<br>library - runtime library                                   | 2.1.0-7ubuntu0.16.04.2     | amd64 | XML parsing C                                                   |
| ii libexpat1:i386<br>library - runtime library                                    | 2.1.0-7ubuntu0.16.04.2     | i386  | XML parsing C                                                   |
| ii libexpat1-dev:amd64<br>library - development kit                               | 2.1.0-7ubuntu0.16.04.2     | amd64 | XML parsing C                                                   |
| ii libexporter-lite-perl<br>Exporter                                              | 0.08-1                     | all   | lightweight subset of                                           |
| ii libexporter-tiny-perl<br>0.042-1                                               | all                        |       | tiny exporter similar to Sub::Exporter                          |
| ii libexttextcat-2.0-0:amd64<br>detection library                                 | 3.4.4-1ubuntu3             | amd64 | Language                                                        |
| ii libexttextcat-data<br>library - data files                                     | 3.4.4-1ubuntu3             | all   | Language detection                                              |
| ii libfaad2:amd64<br>Advanced Audio Decoder - runtime files                       | 2.8.0~cvs20150510-1        | amd64 | freeware                                                        |
| ii libfakeroot:amd64<br>superuser privileges - shared libraries                   | 1.20.2-1ubuntu1            | amd64 | tool for simulating                                             |
| ii libfcgi-perl                                                                   | 0.77-1build1               | amd64 | helper module for FastCGI                                       |
| ii libfcitx-config4:amd64<br>amd64                                                | 1:4.2.9.1-1ubuntu1.16.04.2 |       | Flexible Input Method Framework - configuration support library |
| ii libfcitx-gclient0:amd64<br>Method Framework - D-Bus client library for Glib    | 1:4.2.9.1-1ubuntu1.16.04.2 | amd64 | Flexible Input                                                  |
| ii libfcitx-utils0:amd64<br>Method Framework - utility support library            | 1:4.2.9.1-1ubuntu1.16.04.2 | amd64 | Flexible Input                                                  |
| ii libfdisk1:amd64<br>library                                                     | 2.27.1-6ubuntu3.2          | amd64 | fdisk partitioning                                              |
| ii libffi-dev:amd64<br>Interface library (development files)                      | 3.2.1-4                    | amd64 | Foreign Function                                                |
| ii libffi6:amd64<br>library runtime                                               | 3.2.1-4                    | amd64 | Foreign Function Interface                                      |
| ii libffi6:i386<br>3.2.1-4                                                        | i386                       |       | Foreign Function Interface library runtime                      |
| ii libfftw3-double3:amd64<br>computing Fast Fourier Transforms - Double precision | 3.3.4-2ubuntu1             | amd64 | Library for                                                     |
| ii libfftw3-single3:amd64<br>computing Fast Fourier Transforms - Single precision | 3.3.4-2ubuntu1             | amd64 | Library for                                                     |
| ii libfile-basedir-perl<br>freedesktop basedir specification                      | 0.07-1                     | all   | Perl module to use the                                          |
| ii libfile-copy-recursive-perl<br>recursively copying files and directories       | 0.38-1                     | all   | Perl extension for                                              |
| ii libfile-desktopentry-perl<br>Perl module to handle freedesktop .desktop files  | 0.22-1                     | all   |                                                                 |
| ii libfile-fcntllock-perl<br>locking with fcntl(2)                                | 0.22-3                     | amd64 | Perl module for file                                            |
| ii libfile-homedir-perl<br>directories across platforms                           | 1.00-1                     | all   | Perl module for finding user                                    |
| ii libfile-listing-perl                                                           | 6.04-1                     | all   | module to parse directory                                       |



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|-------------------------------------|--------------------------------------------|-------|-------|-------------------------------------------------------------|
| listings                            |                                            |       |       |                                                             |
| ii libfile-mimeinfo-perl            | 0.27-1                                     |       | all   | Perl module to determine file types                         |
| ii libfile-stripnondeterminism-perl | 0.015-1                                    |       | all   | Perl module for stripping non-determinism from files        |
| ii libfile-which-perl               | 1.19-1                                     |       |       | all Perl module for searching paths for executable programs |
| ii libfl-dev:amd64                  | 2.6.0-11                                   |       | amd64 | static library for flex (a fast lexical analyzer generator) |
| ii libflac8:amd64                   | 1.3.1-4                                    |       | amd64 | Free Lossless Audio Codec - runtime C library               |
| ii libflac8:i386                    | 1.3.1-4                                    |       | i386  | Free Lossless Audio Codec - runtime C library               |
| ii libflite1:amd64                  | 2.0.0-release-1                            |       | amd64 | Small run-time speech synthesis engine - shared libraries   |
| ii libfluidsynth1:amd64             | 1.1.6-3                                    |       | amd64 | Real-time MIDI software synthesizer (runtime library)       |
| ii libfont-afm-perl                 | 1.20-1                                     | all   |       | Font::AFM - Interface to Adobe Font Metrics files           |
| ii libfontconfig1:amd64             | 2.11.94-0ubuntu1.1                         |       | amd64 | generic font configuration library - runtime                |
| ii libfontconfig1:i386              | 2.11.94-0ubuntu1.1                         |       | i386  | generic font configuration library - runtime                |
| ii libfontconfig1-dev:amd64         | 2.11.94-0ubuntu1.1                         |       | amd64 | generic font configuration library - development            |
| ii libfontembed1:amd64              | 1.8.3-2ubuntu3.1                           |       | amd64 | OpenPrinting CUPS Filters - Font Embed Shared library       |
| ii libfontenc1:amd64                | 1:1.1.3-1                                  |       | amd64 | X11 font encoding library                                   |
| ii libframe6:amd64                  | 2.5.0daily13.06.05+16.04.20160809-0ubuntu1 | amd64 |       | Touch Frame Library                                         |
| ii libfreehand-0.1-1:amd64          | 0.1.1-1ubuntu1                             |       | amd64 | Library for parsing the FreeHand file format structure      |
| ii libfreehep-export-java           | 2.1.1-2                                    |       | all   | FreeHEP Export and Save As Library                          |
| ii libfreehep-graphics2d-java       | 2.1.1-4                                    |       | all   | FreeHEP 2D Graphics Library                                 |
| ii libfreehep-graphicsio-emf-java   | 2.1.1-emfplus+dfsg1-2                      |       | all   | FreeHEP Enhanced Metafile Format Driver                     |
| ii libfreehep-graphicsio-java       | 2.1.1-3                                    |       | all   | FreeHEP GraphicsIO Base Library                             |
| ii libfreehep-graphicsio-pdf-java   | 2.1.1+dfsg-1                               |       |       | all FreeHEP Portable Document Format Driver                 |
| ii libfreehep-graphicsio-svg-java   | 2.1.1-3                                    |       | all   | FreeHEP Scalable Vector Graphics Driver                     |
| ii libfreehep-graphicsio-tests-java | 2.1.1+dfsg1-3                              |       | all   | FreeHEP GraphicsIO Test Library                             |
| ii libfreehep-io-java               | 2.0.2-4                                    |       | all   | FreeHEP I/O library                                         |

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| ii | libfreehep-swing-java             | 2.0.3-3                                    | all   | FreeHEP swing extensions                                       |
| ii | libfreehep-util-java              | 2.0.2-5                                    | all   | FreeHEP utility library                                        |
| ii | libfreehep-xml-java               | 2.1.2+dfsg1-3                              | all   | FreeHEP XML Library                                            |
| ii | libfreerdp-cache1.1:amd64         | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (cache library)           |
| ii | libfreerdp-client1.1:amd64        | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (client library)          |
| ii | libfreerdp-codec1.1:amd64         | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (codec library)           |
| ii | libfreerdp-common1.1.0:amd64      | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (common library)          |
| ii | libfreerdp-core1.1:amd64          | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (core library)            |
| ii | libfreerdp-crypto1.1:amd64        | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (freerdp-crypto library)  |
| ii | libfreerdp-gdi1.1:amd64           | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (GDI library)             |
| ii | libfreerdp-locale1.1:amd64        | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (locale library)          |
| ii | libfreerdp-plugins-standard:amd64 | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | RDP client for Windows Terminal Services (plugins)             |
| ii | libfreerdp-primitives1.1:amd64    | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (primitives library)      |
| ii | libfreerdp-utils1.1:amd64         | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Free Remote Desktop Protocol library (freerdp-utils library)   |
| ii | libfreetype6:amd64                | 2.6.1-0.1ubuntu2                           | amd64 | FreeType 2 font engine, shared library files                   |
| ii | libfreetype6:i386                 | 2.6.1-0.1ubuntu2                           | i386  | FreeType 2 font engine, shared library files                   |
| ii | libfreetype6-dev:amd64            | 2.6.1-0.1ubuntu2                           | amd64 | FreeType 2 font engine, development files                      |
| ii | libfribidi0:amd64                 | 0.19.7-1                                   | amd64 | Free Implementation of the Unicode BiDi algorithm              |
| ii | libfuse2:amd64                    | 2.9.4-1ubuntu3.1                           | amd64 | Filesystem in Userspace (library)                              |
| ii | libfwupd0:amd64                   | 0.5-2ubuntu4                               | amd64 | Library to manage UEFI firmware updates                        |
| ii | libfwupd1:amd64                   | 0.7.0-0ubuntu4.3                           | amd64 | Firmware update daemon library                                 |
| ii | libgail-3-0:amd64                 | 3.18.9-1ubuntu3.1                          | amd64 | GNOME Accessibility Implementation Library -- shared libraries |
| ii | libgail-common:amd64              | 2.24.30-1ubuntu1                           | amd64 | GNOME Accessibility Implementation Library -- common modules   |
| ii | libgail18:amd64                   | 2.24.30-1ubuntu1                           | amd64 | GNOME Accessibility Implementation Library -- shared libraries |
| ii | libgbm1:amd64                     | 11.2.0-1ubuntu2.2                          | amd64 | generic buffer                                                 |

|                                                  |                                |                                              |       |                        |
|--------------------------------------------------|--------------------------------|----------------------------------------------|-------|------------------------|
| management API -- runtime                        |                                |                                              |       |                        |
| ii libgbm1:i386                                  | 11.2.0-1ubuntu2.2              |                                              | i386  | generic buffer         |
| management API -- runtime                        |                                |                                              |       |                        |
| ii libgc1c2:amd64                                |                                |                                              |       |                        |
| 1:7.4.2-7.3                                      | amd64                          | conservative garbage collector for C and C++ |       |                        |
| ii libgcab-1.0-0:amd64                           | 0.7-1                          |                                              | amd64 | Microsoft Cabinet file |
| manipulation library                             |                                |                                              |       |                        |
| ii libgcc-4.9-dev:amd64                          | 4.9.3-13ubuntu2                |                                              | amd64 | GCC support            |
| library (development files)                      |                                |                                              |       |                        |
| ii libgcc-5-dev:amd64                            | 5.4.0-6ubuntu1~16.04.4         |                                              | amd64 | GCC support            |
| library (development files)                      |                                |                                              |       |                        |
| ii libgcc1:amd64                                 | 1:6.0.1-0ubuntu1               |                                              | amd64 | GCC support library    |
| ii libgcc1:i386                                  | 1:6.0.1-0ubuntu1               |                                              | i386  | GCC support library    |
| ii libgck-1-0:amd64                              | 3.18.0-1ubuntu1                |                                              |       |                        |
| amd64                                            |                                | Glib wrapper library for PKCS#11 - runtime   |       |                        |
| ii libgconf-2-4:amd64                            | 3.2.6-3ubuntu6                 |                                              | amd64 | GNOME                  |
| configuration database system (shared libraries) |                                |                                              |       |                        |
| ii libgcr-3-common                               | 3.18.0-1ubuntu1                |                                              | all   | Library for Crypto UI  |
| related tasks - common files                     |                                |                                              |       |                        |
| ii libgcr-base-3-1:amd64                         | 3.18.0-1ubuntu1                |                                              | amd64 | Library for Crypto     |
| related tasks                                    |                                |                                              |       |                        |
| ii libgcr-ui-3-1:amd64                           | 3.18.0-1ubuntu1                |                                              | amd64 | Library for Crypto     |
| UI related tasks                                 |                                |                                              |       |                        |
| ii libgcrui3-dev                                 | 1.5.4-3+really1.6.5-2ubuntu0.2 |                                              | all   | transitional           |
| libgcrui3-dev package                            |                                |                                              |       |                        |
| ii libgcrui3:amd64                               | 1.6.5-2ubuntu0.2               |                                              |       |                        |
| amd64                                            |                                | LGPL Crypto library - runtime library        |       |                        |
| ii libgcrui3:i386                                | 1.6.5-2ubuntu0.2               |                                              | i386  | LGPL Crypto library -  |
| runtime library                                  |                                |                                              |       |                        |
| ii libgcrui3-dev                                 | 1.6.5-2ubuntu0.2               |                                              | amd64 | LGPL Crypto library    |
| - development files                              |                                |                                              |       |                        |
| ii libgd3:amd64                                  | 2.1.1-4ubuntu0.16.04.5         |                                              | amd64 | GD Graphics            |
| Library                                          |                                |                                              |       |                        |
| ii libgd3-common                                 | 0.17.4-1                       |                                              | all   | Library for accessing  |
| GData webservices - common data files            |                                |                                              |       |                        |
| ii libgd3:i386                                   | 0.17.4-1                       |                                              | amd64 | Library for accessing  |
| GData webservices - shared libraries             |                                |                                              |       |                        |
| ii libgdbm3:amd64                                | 1.8.3-13.1                     |                                              | amd64 |                        |
| GNU dbm database routines (runtime version)      |                                |                                              |       |                        |
| ii libgdiplus                                    | 4.2-1ubuntu1                   |                                              | amd64 | interface library for  |
| System.Drawing of Mono                           |                                |                                              |       |                        |
| ii libgdk-pixbuf2.0-0:amd64                      | 2.32.2-1ubuntu1.2              |                                              | amd64 | GDK Pixbuf             |
| library                                          |                                |                                              |       |                        |
| ii libgdk-pixbuf2.0-0:i386                       | 2.32.2-1ubuntu1.2              |                                              | i386  | GDK Pixbuf library     |
| ii libgdk-pixbuf2.0-common                       | 2.32.2-1ubuntu1.2              |                                              | all   | GDK Pixbuf             |
| library - data files                             |                                |                                              |       |                        |
| ii libgdk-pixbuf2.0-dev                          | 2.32.2-1ubuntu1.2              |                                              | amd64 | GDK Pixbuf             |
| library (development files)                      |                                |                                              |       |                        |

|                                                                                         |                                |       |                                                         |
|-----------------------------------------------------------------------------------------|--------------------------------|-------|---------------------------------------------------------|
| ii libgee-0.8-2:amd64<br>collection and utility library                                 | 0.18.0-1                       | amd64 | GObject based                                           |
| ii libgeis1:amd64<br>support                                                            | 2.2.17+16.04.20160126-0ubuntu1 | amd64 | Gesture engine interface                                |
| ii libgeoclue0:amd64                                                                    | 0.12.99-4ubuntu1               | amd64 | C API for GeoClue                                       |
| ii libgeoclue0:i386                                                                     | 0.12.99-4ubuntu1               | i386  | C API for GeoClue                                       |
| ii libgeocode-glib0:amd64<br>reverse geocoding GLib library using Nominatim             | 3.18.2-1                       | amd64 | geocoding and                                           |
| ii libgeoip1:amd64<br>resolver library                                                  | 1.6.9-1                        | amd64 | non-DNS IP-to-country                                   |
| ii libgeonames0:amd64<br>query the geonames database dump                               | 0.2+16.04.20160321-0ubuntu1    | amd64 | Parse and                                               |
| ii libgeronimo-interceptor-3.0-spec-java<br>1.0.1-3fakesync1                            | all                            |       | Geronimo API implementation of the Interceptor 3.0 spec |
| ii libgetopt-tabular-perl<br>parsing for Perl 5                                         | 0.3-2                          | all   | table-driven argument                                   |
| ii libgettextpo-dev:amd64<br>Internationalization library development files             | 0.19.7-2ubuntu3                | amd64 | GNU                                                     |
| ii libgettextpo0:amd64<br>Internationalization library                                  | 0.19.7-2ubuntu3                | amd64 | GNU                                                     |
| ii libgexiv2-2:amd64<br>around the Exiv2 library                                        | 0.10.3-2                       | amd64 | GObject-based wrapper                                   |
| ii libgfortran-5-dev:amd64<br>library for GNU Fortran applications (development files)  | 5.4.0-6ubuntu1~16.04.4         | amd64 | Runtime                                                 |
| ii libgfortran3:amd64<br>applications                                                   | 5.4.0-6ubuntu1~16.04.4         | amd64 | Runtime library for GNU Fortran                         |
| ii libgif7:amd64<br>(library)                                                           | 5.1.4-0.3~16.04                | amd64 | library for GIF images                                  |
| ii libgirepository-1.0-1:amd64<br>handling GObject introspection data (runtime library) | 1.46.0-3ubuntu1                | amd64 | Library for                                             |
| ii libgl1-mesa-dev:amd64<br>implementation of the OpenGL API -- GLX development files   | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libgl1-mesa-dri:amd64<br>implementation of the OpenGL API -- DRI modules             | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libgl1-mesa-dri:i386<br>of the OpenGL<br>API -- DRI modules                          | 11.2.0-1ubuntu2.2              | i386  | free implementation                                     |
| ii libgl1-mesa-glx:amd64<br>implementation of the OpenGL API -- GLX runtime             | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libgl1-mesa-glx:i386<br>of the OpenGL API -- GLX runtime                             | 11.2.0-1ubuntu2.2              | i386  | free implementation                                     |
| ii libglapi-mesa:amd64<br>implementation of the GL API -- shared library                | 11.2.0-1ubuntu2.2              | amd64 | free                                                    |
| ii libglapi-mesa:i386<br>of the GL API -- shared library                                | 11.2.0-1ubuntu2.2              | i386  | free implementation                                     |
| ii libglew1.13:amd64                                                                    | 1.13.0-2                       | amd64 | OpenGL Extension                                        |

|                                |                                                         |       |                                                                 |
|--------------------------------|---------------------------------------------------------|-------|-----------------------------------------------------------------|
| Wrangler - runtime environment |                                                         |       |                                                                 |
| ii libglewmx1.13:amd64         | 1.13.0-2                                                |       |                                                                 |
| amd64                          | OpenGL Extension Wrangler (Multiple Rendering Contexts) |       |                                                                 |
| ii libglib2.0-0:amd64          | 2.48.2-0ubuntu1                                         | amd64 | GLib library of C routines                                      |
| ii libglib2.0-0:i386           | 2.48.2-0ubuntu1                                         | i386  | GLib library of C routines                                      |
| ii libglib2.0-bin              | 2.48.2-0ubuntu1                                         | amd64 | Programs for the GLib library                                   |
| ii libglib2.0-data             | 2.48.2-0ubuntu1                                         | all   | Common files for GLib library                                   |
| ii libglib2.0-dev              | 2.48.2-0ubuntu1                                         | amd64 | Development files for the GLib library                          |
| ii libglibmm-2.4-1v5:amd64     | 2.46.3-1                                                | amd64 | C++ wrapper for the GLib toolkit (shared libraries)             |
| ii libglu1-mesa:amd64          | 9.0.0-2.1                                               | amd64 | Mesa OpenGL utility library (GLU)                               |
| ii libgme0:amd64               | 0.6.0-3ubuntu0.16.04.1                                  | amd64 | Playback library for video game music files - shared library    |
| ii libgmime-2.6-0:amd64        | 2.6.20-1                                                | amd64 | MIME message parser and creator library - runtime               |
| ii libgmp-dev:amd64            | 2:6.1.0+dfsg-2                                          | amd64 | Multiprecision arithmetic library developers tools              |
| ii libgmp10:amd64              | 2:6.1.0+dfsg-2                                          | amd64 | Multiprecision arithmetic library                               |
| ii libgmp10:i386               | 2:6.1.0+dfsg-2                                          | i386  | Multiprecision arithmetic library                               |
| ii libgmpxx4ldbl:amd64         | 2:6.1.0+dfsg-2                                          | amd64 | Multiprecision arithmetic library (C++ bindings)                |
| ii libgnome-bluetooth13:amd64  | 3.18.2-1ubuntu2                                         | amd64 | GNOME Bluetooth tools - support library                         |
| ii libgnome-desktop-3-12:amd64 | 3.18.2-1ubuntu1                                         | amd64 | Utility library for loading .desktop files - runtime files      |
| ii libgnome-keyring-common     | 3.12.0-1build1                                          | all   | GNOME keyring services library - data files                     |
| ii libgnome-keyring0:amd64     | 3.12.0-1build1                                          | amd64 | GNOME keyring services library                                  |
| ii libgnome-menu-3-0:amd64     | 3.13.3-6ubuntu3.1                                       | amd64 | GNOME implementation of the freedesktop menu specification      |
| ii libgnomekbd-common          | 3.6.0-1ubuntu2                                          | all   | GNOME library to manage keyboard configuration - common files   |
| ii libgnomekbd8:amd64          | 3.6.0-1ubuntu2                                          | amd64 | GNOME library to manage keyboard configuration - shared library |
| ii libgnutls-openssl27:amd64   | 3.4.10-4ubuntu1.2                                       | amd64 | GNU TLS library - OpenSSL wrapper                               |
| ii libgnutls30:amd64           | 3.4.10-4ubuntu1.2                                       | amd64 | GNU TLS library -                                               |

|                                                                        |                               |       |                         |  |
|------------------------------------------------------------------------|-------------------------------|-------|-------------------------|--|
| main runtime library                                                   |                               |       |                         |  |
| ii libgnutls30:i386                                                    | 3.4.10-4ubuntu1.2             | i386  | GNU TLS library -       |  |
| main runtime library                                                   |                               |       |                         |  |
| ii libgoa-1.0-0b:amd64                                                 | 3.18.3-1ubuntu2               |       |                         |  |
| amd64 library for GNOME Online Accounts                                |                               |       |                         |  |
| ii libgoa-1.0-common                                                   | 3.18.3-1ubuntu2               | all   | library for GNOME       |  |
| Online Accounts - common files                                         |                               |       |                         |  |
| ii libgom-1.0-0:amd64                                                  | 0.3.1-1                       | amd64 | Object mapper from      |  |
| GObjects to SQLite                                                     |                               |       |                         |  |
| ii libgom-1.0-common                                                   | 0.3.1-1                       | all   | libgom architecture-    |  |
| independent files                                                      |                               |       |                         |  |
| ii libgomp1:amd64                                                      | 5.4.0-6ubuntu1~16.04.4        | amd64 | GCC OpenMP              |  |
| (GOMP) support library                                                 |                               |       |                         |  |
| ii libgpg-error-dev                                                    | 1.21-2ubuntu1                 | amd64 | library for common      |  |
| error values and messages in GnuPG components (development)            |                               |       |                         |  |
| ii libgpg-error0:amd64                                                 | 1.21-2ubuntu1                 |       |                         |  |
| amd64 library for common error values and messages in GnuPG components |                               |       |                         |  |
| ii libgpg-error0:i386                                                  | 1.21-2ubuntu1                 | i386  | library for common      |  |
| error values and messages in GnuPG components                          |                               |       |                         |  |
| ii libgpgme11:amd64                                                    | 1.6.0-1                       | amd64 | GPGME - GnuPG           |  |
| Made Easy (library)                                                    |                               |       |                         |  |
| ii libgphoto2-6:amd64                                                  | 2.5.9-3                       | amd64 | gphoto2 digital camera  |  |
| library                                                                |                               |       |                         |  |
| ii libgphoto2-110n                                                     | 2.5.9-3                       | all   | gphoto2 digital camera  |  |
| library - localized messages                                           |                               |       |                         |  |
| ii libgphoto2-port12:amd64                                             | 2.5.9-3                       | amd64 | gphoto2 digital         |  |
| camera port library                                                    |                               |       |                         |  |
| ii libgpm2:amd64                                                       | 1.20.4-6.1                    |       |                         |  |
| amd64 General Purpose Mouse - shared library                           |                               |       |                         |  |
| ii libgpm2:i386                                                        | 1.20.4-6.1                    | i386  | General Purpose Mouse - |  |
| shared library                                                         |                               |       |                         |  |
| ii libgpod-common                                                      | 0.8.3-6ubuntu2                | amd64 | common files for        |  |
| libgpod                                                                |                               |       |                         |  |
| ii libgpod4:amd64                                                      | 0.8.3-6ubuntu2                | amd64 | library to read and     |  |
| write songs and artwork to an iPod                                     |                               |       |                         |  |
| ii libgrail6                                                           | 3.1.0+16.04.20160125-0ubuntu1 | amd64 | Gesture                 |  |
| Recognition And Instantiation Library                                  |                               |       |                         |  |
| ii libgraphite2-3:amd64                                                | 1.3.6-1ubuntu1                | amd64 | Font rendering          |  |
| engine for Complex Scripts -- library                                  |                               |       |                         |  |
| ii libgraphite2-3:i386                                                 | 1.3.6-1ubuntu1                |       |                         |  |
| i386 Font rendering engine for Complex Scripts -- library              |                               |       |                         |  |
| ii libgrilo-0.2-1:amd64                                                | 0.2.15-1                      | amd64 | Framework for           |  |
| discovering and browsing media - Shared libraries                      |                               |       |                         |  |
| ii libgs9:amd64                                                        | 9.18~dfsg~0-0ubuntu2.3        | amd64 | interpreter for the     |  |
| PostScript language and for PDF - Library                              |                               |       |                         |  |
| ii libgs9-common                                                       | 9.18~dfsg~0-0ubuntu2.3        | all   | interpreter for the     |  |
| PostScript language and for PDF - common files                         |                               |       |                         |  |
| ii libgsettings-qt1:amd64                                              | 0.1+16.04.20160329-0ubuntu1   | amd64 | Library to              |  |

|                                                                |                               |       |                                 |  |
|----------------------------------------------------------------|-------------------------------|-------|---------------------------------|--|
| access GSettings from Qt                                       |                               |       |                                 |  |
| ii libgsl2:amd64                                               | 2.1+dfsg-2                    | amd64 | GNU Scientific Library          |  |
| (GSL) -- library package                                       |                               |       |                                 |  |
| ii libgsm1:amd64                                               | 1.0.13-4                      | amd64 | Shared libraries for GSM speech |  |
| compressor                                                     |                               |       |                                 |  |
| ii libgssapi-krb5-2:amd64                                      | 1.13.2+dfsg-5ubuntu1          | amd64 | MIT Kerberos                    |  |
| runtime libraries - krb5 GSS-API Mechanism                     |                               |       |                                 |  |
| ii libgssapi-krb5-2:i386                                       | 1.13.2+dfsg-5ubuntu1          | i386  | MIT Kerberos                    |  |
| runtime libraries - krb5 GSS-API Mechanism                     |                               |       |                                 |  |
| ii libgssapi3-heimdal:amd64                                    | 1.7~git20150920+dfsg-4ubuntu1 | amd64 | Heimdal                         |  |
| Kerberos - GSSAPI support library                              |                               |       |                                 |  |
| ii libgstreamer-plugins-bad1.0-0:amd64                         | 1.8.2-1ubuntu0.2              | amd64 | GStreamer                       |  |
| development files for libraries from the "bad" set             |                               |       |                                 |  |
| ii libgstreamer-plugins-base1.0-0:amd64                        | 1.8.2-1ubuntu0.2              | amd64 | GStreamer                       |  |
| libraries from the "base" set                                  |                               |       |                                 |  |
| ii libgstreamer-plugins-base1.0-0:i386                         | 1.8.2-1ubuntu0.2              | i386  | GStreamer                       |  |
| libraries from the "base" set                                  |                               |       |                                 |  |
| ii libgstreamer-plugins-good1.0-0:amd64                        | 1.8.2-1ubuntu0.3              | amd64 | GStreamer                       |  |
| development files for libraries from the "good" set            |                               |       |                                 |  |
| ii libgstreamer-plugins-good1.0-0:i386                         | 1.8.2-1ubuntu0.3              | i386  | GStreamer                       |  |
| development files for libraries from the "good" set            |                               |       |                                 |  |
| ii libgstreamer1.0-0:amd64                                     | 1.8.2-1~ubuntu1               | amd64 | Core GStreamer                  |  |
| libraries and elements                                         |                               |       |                                 |  |
| ii libgstreamer1.0-0:i386                                      | 1.8.2-1~ubuntu1               | i386  | Core GStreamer                  |  |
| libraries and elements                                         |                               |       |                                 |  |
| ii libgtk-3-0:amd64                                            | 3.18.9-1ubuntu3.1             | amd64 |                                 |  |
| GTK+ graphical user interface library                          |                               |       |                                 |  |
| ii libgtk-3-bin                                                | 3.18.9-1ubuntu3.1             | amd64 | programs for the GTK+           |  |
| graphical user interface library                               |                               |       |                                 |  |
| ii libgtk-3-common                                             | 3.18.9-1ubuntu3.1             | all   | common files for the            |  |
| GTK+ graphical user interface library                          |                               |       |                                 |  |
| ii libgtk2.0-0:amd64                                           | 2.24.30-1ubuntu1              | amd64 | GTK+ graphical                  |  |
| user interface library                                         |                               |       |                                 |  |
| ii libgtk2.0-0:i386                                            | 2.24.30-1ubuntu1              | i386  | GTK+ graphical user             |  |
| interface library                                              |                               |       |                                 |  |
| ii libgtk2.0-bin                                               | 2.24.30-1ubuntu1              | amd64 | programs for the                |  |
| GTK+ graphical user interface library                          |                               |       |                                 |  |
| ii libgtk2.0-common                                            | 2.24.30-1ubuntu1              |       |                                 |  |
| all common files for the GTK+ graphical user interface library |                               |       |                                 |  |
| ii libgtk2.0-dev                                               | 2.24.30-1ubuntu1              | amd64 | development files for           |  |
| the GTK+ library                                               |                               |       |                                 |  |
| ii libgtkglex1:amd64                                           | 1.2.0-3.2fakesync1ubuntu1     | amd64 | OpenGL                          |  |
| Extension to GTK+ (shared libraries)                           |                               |       |                                 |  |
| ii libgtkmm-3.0-1v5:amd64                                      | 3.18.0-1                      | amd64 | C++ wrappers for                |  |
| GTK+ (shared libraries)                                        |                               |       |                                 |  |
| ii libgtksourcesview-3.0-1:amd64                               | 3.18.2-1                      | amd64 | shared libraries for            |  |

|                                               |                                    |       |       |                                                            |
|-----------------------------------------------|------------------------------------|-------|-------|------------------------------------------------------------|
| the GTK+ syntax highlighting widget           |                                    |       |       |                                                            |
| ii libgtksourceview-3.0-common                | 3.18.2-1                           |       | all   | common files for the                                       |
| GTK+ syntax highlighting widget               |                                    |       |       |                                                            |
| ii libgtksPELL3-3-0:amd64                     | 3.0.7-2                            |       |       |                                                            |
| amd64                                         |                                    |       |       | spell-checking addon for GTK+'s TextView widget            |
| ii libgtop-2.0-10:amd64                       | 2.32.0-1                           |       | amd64 | gtop system                                                |
| monitoring library (shared)                   |                                    |       |       |                                                            |
| ii libgtop2-common                            | 2.32.0-1                           |       | all   | gtop system monitoring                                     |
| library (common)                              |                                    |       |       |                                                            |
| ii libguava-java                              | 19.0-1                             |       | all   | Suite of Google common                                     |
| libraries for Java                            |                                    |       |       |                                                            |
| ii libgucharmap-2-90-7:amd64                  | 1:3.18.2-1ubuntu1                  |       | amd64 | Unicode                                                    |
| browser widget library (shared library)       |                                    |       |       |                                                            |
| ii libgudev-1.0-0:amd64                       | 1:230-2                            |       | amd64 | GObject-based                                              |
| wrapper library for libudev                   |                                    |       |       |                                                            |
| ii libgudev-1.0-0:i386                        | 1:230-2                            |       |       |                                                            |
| i386                                          |                                    |       |       | GObject-based wrapper library for libudev                  |
| ii libguice-java                              | 4.0-2                              |       | all   | lightweight dependency                                     |
| injection framework for Java 5 and above      |                                    |       |       |                                                            |
| ii libgusb2:amd64                             | 0.2.9-0ubuntu1                     |       | amd64 | GLib wrapper around                                        |
| libusb1                                       |                                    |       |       |                                                            |
| ii libgutenprint2                             | 5.2.11-1                           |       | amd64 | runtime for the Gutenprint                                 |
| printer driver library                        |                                    |       |       |                                                            |
| ii libgvc6                                    | 2.38.0-12ubuntu2.1                 |       | amd64 | rich set of graph                                          |
| drawing tools - gvc library                   |                                    |       |       |                                                            |
| ii libgvpr2                                   | 2.38.0-12ubuntu2.1                 |       | amd64 | rich set of graph                                          |
| drawing tools - gvpr library                  |                                    |       |       |                                                            |
| ii libgweather-3-6:amd64                      |                                    |       |       |                                                            |
| 3.18.2-0ubuntu0.1                             |                                    | amd64 |       | GWeather shared library                                    |
| ii libgweather-common                         | 3.18.2-0ubuntu0.1                  |       | all   | GWeather common                                            |
| files                                         |                                    |       |       |                                                            |
| ii libgxps2:amd64                             | 0.2.3.2-1                          |       | amd64 | handling and rendering                                     |
| XPS documents (library)                       |                                    |       |       |                                                            |
| ii libhamcrest-java                           | 1.3-5ubuntu1                       |       | all   | library of matchers for                                    |
| building test expressions                     |                                    |       |       |                                                            |
| ii libhardware2                               | 0.1.0+git20151016+6d424c9-0ubuntu7 |       | amd64 | Library to                                                 |
| provide access to the Android libhardware HAL |                                    |       |       |                                                            |
| ii libharfbuzz-dev                            | 1.0.1-1ubuntu0.1                   |       | amd64 | Development files for                                      |
| OpenType text shaping engine                  |                                    |       |       |                                                            |
| ii libharfbuzz-gobject0:amd64                 | 1.0.1-1ubuntu0.1                   |       |       |                                                            |
| amd64                                         |                                    |       |       | OpenType text shaping engine ICU backend (GObject library) |
| ii libharfbuzz-icu0:amd64                     | 1.0.1-1ubuntu0.1                   |       | amd64 | OpenType text                                              |
| shaping engine ICU backend                    |                                    |       |       |                                                            |
| ii libharfbuzz-icu0:i386                      | 1.0.1-1ubuntu0.1                   |       | i386  | OpenType text                                              |
| shaping engine ICU backend                    |                                    |       |       |                                                            |
| ii libharfbuzz0b:amd64                        | 1.0.1-1ubuntu0.1                   |       | amd64 | OpenType text                                              |
| shaping engine (shared library)               |                                    |       |       |                                                            |
| ii libharfbuzz0b:i386                         | 1.0.1-1ubuntu0.1                   |       | i386  | OpenType text                                              |



|                                                     |  |                                    |       |                                              |
|-----------------------------------------------------|--|------------------------------------|-------|----------------------------------------------|
| shaping engine (shared library)                     |  |                                    |       |                                              |
| ii libcrypto4-heimdal:amd64                         |  | 1.7~git20150920+dfsg-4ubuntu1      | amd64 | Heimdal                                      |
| Kerberos - crypto library                           |  |                                    |       |                                              |
| ii libheimbase1-heimdal:amd64                       |  | 1.7~git20150920+dfsg-4ubuntu1      | amd64 | Heimdal Kerberos - Base library              |
| ii libheimntlm0-heimdal:amd64                       |  | 1.7~git20150920+dfsg-4ubuntu1      | amd64 |                                              |
| Heimdal Kerberos - NTLM support library             |  |                                    |       |                                              |
| ii libhighgui-dev:amd64                             |  | 2.4.9.1+dfsg-1.5ubuntu1            | amd64 | Translation                                  |
| package for libhighgui-dev                          |  |                                    |       |                                              |
| ii libhogweed4:amd64                                |  | 3.2-1ubuntu0.16.04.1               | amd64 | low level                                    |
| cryptographic library (public-key cryptos)          |  |                                    |       |                                              |
| ii libhogweed4:i386                                 |  | 3.2-1ubuntu0.16.04.1               | i386  | low level                                    |
| cryptographic library (public-key cryptos)          |  |                                    |       |                                              |
| ii libhpmud0:amd64                                  |  | 3.16.3+repack0-1                   | amd64 | HP Multi-Point                               |
| Transport Driver (hpmud) run-time libraries         |  |                                    |       |                                              |
| ii libhtml-form-perl                                |  | 6.03-1                             | all   | module that represents an HTML form element  |
| ii libhtml-format-perl                              |  | 2.11-2                             | all   | module for transforming                      |
| HTML into various formats                           |  |                                    |       |                                              |
| ii libhtml-parser-perl                              |  | 3.72-1                             | amd64 | collection of modules that                   |
| parse HTML text documents                           |  |                                    |       |                                              |
| ii libhtml-tagset-perl                              |  | 3.20-2                             | all   | Data tables pertaining to                    |
| HTML                                                |  |                                    |       |                                              |
| ii libhtml-tree-perl                                |  | 5.03-2                             | all   | Perl module to represent and                 |
| create HTML syntax trees                            |  |                                    |       |                                              |
| ii libhttp-cookies-perl                             |  | 6.01-1                             | all   | HTTP cookie jars                             |
| ii libhttp-daemon-perl                              |  | 6.01-1                             | all   | simple http server class                     |
| ii libhttp-date-perl                                |  | 6.02-1                             | all   | module of date conversion                    |
| routines                                            |  |                                    |       |                                              |
| ii libhttp-message-perl                             |  | 6.11-1                             | all   | perl interface to HTTP style                 |
| messages                                            |  |                                    |       |                                              |
| ii libhttp-negotiate-perl                           |  | 6.00-2                             | all   | implementation of content                    |
| negotiation                                         |  |                                    |       |                                              |
| ii libhttpclient-java                               |  | 4.5.1-1                            | all   | HTTP/1.1 compliant HTTP                      |
| agent implementation                                |  |                                    |       |                                              |
| ii libhttpcore-java                                 |  | 4.4.4-1                            | all   | set of low level HTTP                        |
| transport components for Java                       |  |                                    |       |                                              |
| ii libhud2:amd64                                    |  | 14.10+16.04.20160415-0ubuntu1      | amd64 | library for exporting items to the Unity HUD |
| ii libhunspell-1.3-0:amd64                          |  | 1.3.3-4ubuntu1                     | amd64 | spell checker and                            |
| morphological analyzer (shared library)             |  |                                    |       |                                              |
| ii libhunspell-1.3-0:i386                           |  | 1.3.3-4ubuntu1                     | i386  | spell checker and                            |
| morphological analyzer (shared library)             |  |                                    |       |                                              |
| ii libhx509-5-heimdal:amd64                         |  | 1.7~git20150920+dfsg-4ubuntu1      | amd64 | Heimdal                                      |
| Kerberos - X509 support library                     |  |                                    |       |                                              |
| ii libhybris                                        |  | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 | Allows to run                                |
| bionic-based HW adaptations in glibc systems - libs |  |                                    |       |                                              |

|                                                                  |                                    |       |                                                               |
|------------------------------------------------------------------|------------------------------------|-------|---------------------------------------------------------------|
| ii libhybris-common1                                             | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 |                                                               |
| Common library that contains the Android linker and custom hooks |                                    |       |                                                               |
| ii libhyphen0:amd64                                              | 2.8.8-2ubuntu1                     | amd64 | ALTLinux hyphenation library - shared library                 |
| ii libibus-1.0-5:amd64                                           | 1.5.11-1ubuntu2                    | amd64 | Intelligent Input Bus - shared library                        |
| ii libical1a:amd64                                               | 1.0.1-0ubuntu2                     | amd64 | iCalendar library implementation in C (runtime)               |
| ii libice-dev:amd64                                              | 2:1.0.9-1                          | amd64 | X11 Inter-Client Exchange library (development headers)       |
| ii libice6:amd64                                                 | 2:1.0.9-1                          | amd64 | X11 Inter-Client Exchange library                             |
| ii libice6:i386                                                  | 2:1.0.9-1                          | i386  | X11 Inter-Client Exchange library                             |
| ii libicu-dev:amd64                                              | 55.1-7                             | amd64 | Development files for International Components for Unicode    |
| ii libicu55:amd64                                                | 55.1-7                             | amd64 | International Components for Unicode                          |
| ii libicu55:i386                                                 | 55.1-7                             | i386  | International Components for Unicode                          |
| ii libidn11:amd64                                                | 1.32-3ubuntu1.1                    | amd64 | GNU Libidn library, implementation of IETF IDN specifications |
| ii libidn11:i386                                                 | 1.32-3ubuntu1.1                    | i386  | GNU Libidn library, implementation of IETF IDN specifications |
| ii libido3-0.1-0:amd64                                           | 13.10.0+16.04.20161028-0ubuntu1    | amd64 | Shared library providing extra gtk menu items for display in  |
| ii libiec61883-0:amd64                                           | 1.2.0-0.2                          | amd64 | an partial implementation of IEC 61883                        |
| ii libiec61883-0:i386                                            | 1.2.0-0.2                          | i386  | an partial implementation of IEC 61883                        |
| ii libieee1284-3:amd64                                           | 0.2.11-12                          | amd64 | cross-platform library for parallel port access               |
| ii libijs-0.35:amd64                                             | 0.35-12                            | amd64 | IJS raster image transport protocol: shared library           |
| ii libilmbase-dev                                                | 2.2.0-11ubuntu2                    | amd64 | development files for IlmBase                                 |
| ii libilmbase12:amd64                                            | 2.2.0-11ubuntu2                    | amd64 | several utility libraries from ILM used by OpenEXR            |
| ii libimobiledevice6:amd64                                       | 1.2.0+dfsg-3~ubuntu0.2             | amd64 | Library for communicating with the iPhone and iPod Touch      |
| ii libindicator3-7                                               | 12.10.2+16.04.20151208-0ubuntu1    | amd64 | panel indicator applet - shared library                       |
| ii libindicator7                                                 | 12.10.2+16.04.20151208-0ubuntu1    | amd64 | panel indicator applet - shared library                       |

|    |                                   |                                          |       |                                                                                 |
|----|-----------------------------------|------------------------------------------|-------|---------------------------------------------------------------------------------|
| ii | libinput10:amd64                  | 1.2.3-1ubuntu1                           | amd64 | input device management and event handling library - shared library             |
| ii | libio-html-perl                   | 1.001-1                                  | all   | open an HTML file with automatic charset detection                              |
| ii | libio-pty-perl<br>amd64           | 1:1.08-1.1build1                         |       | Perl module for pseudo tty IO                                                   |
| ii | libio-socket-inet6-perl           | 2.72-2                                   | all   | object interface for AF_INET6 domain sockets                                    |
| ii | libio-socket-ssl-perl             | 2.024-1                                  | all   | Perl module implementing object oriented interface to SSL sockets               |
| ii | libio-string-perl                 | 1.08-3                                   | all   | Emulate IO::File interface for in-core strings                                  |
| ii | libipc-run-perl                   | 0.94-1                                   | all   | Perl module for running processes                                               |
| ii | libipc-system-simple-perl         | 1.25-3                                   | all   | Perl module to run commands simply, with detailed diagnostics                   |
| ii | libisc-export160<br>amd64         | 1:9.10.3.dfsg.P4-8ubuntu1.4              |       | Exported ISC Shared Library                                                     |
| ii | libisc160:amd64                   | 1:9.10.3.dfsg.P4-8ubuntu1.4              | amd64 | ISC Shared Library used by BIND                                                 |
| ii | libisccc140:amd64                 | 1:9.10.3.dfsg.P4-8ubuntu1.4              | amd64 | Command Channel Library used by BIND                                            |
| ii | libisccfg140:amd64                | 1:9.10.3.dfsg.P4-8ubuntu1.4              | amd64 | Config File Handling Library used by BIND                                       |
| ii | libisl15:amd64                    | 0.16.1-1                                 | amd64 | manipulating sets and relations of integer points bounded by linear constraints |
| ii | libitm1:amd64                     | 5.4.0-6ubuntu1~16.04.4                   | amd64 | GNU Transactional Memory Library                                                |
| ii | libiw30:amd64<br>amd64            | 30~pre9-8ubuntu1                         |       | Wireless tools - library                                                        |
| ii | libjack-jackd2-0:amd64            | 1.9.10+20150825git1ed50c92~dfsg-1ubuntu1 | amd64 | JACK Audio Connection Kit (libraries)                                           |
| ii | libjack-jackd2-0:i386             | 1.9.10+20150825git1ed50c92~dfsg-1ubuntu1 | i386  | JACK Audio Connection Kit (libraries)                                           |
| ii | libjas-java                       | 2.5.4408-1                               | all   | Java object-oriented type-safe Algebra System                                   |
| ii | libjas-plotter-java               | 2.2.6+dfsg1-2                            | all   | JAS(2) Plotter graphic library                                                  |
| ii | libjasper-dev                     | 1.900.1-debian1-2.4ubuntu1               | amd64 | Development files for the JasPer JPEG-2000 library                              |
| ii | libjasper1:amd64                  | 1.900.1-debian1-2.4ubuntu1               | amd64 | JasPer JPEG-2000 runtime library                                                |
| ii | libjavascriptcoregtk-1.0-0:i386   | 2.4.11-0ubuntu0.1                        | i386  | JavaScript engine library from WebKitGTK+                                       |
| ii | libjavascriptcoregtk-4.0-18:amd64 | 2.14.3-0ubuntu0.16.04.1                  | amd64 | JavaScript engine library from WebKitGTK+                                       |
| ii | libjavascriptcoregtk-4.0-18:i386  | 2.14.3-0ubuntu0.16.04.1                  | i386  | JavaScript engine library from WebKitGTK+                                       |

|    |                                                                         |                    |       |                                            |
|----|-------------------------------------------------------------------------|--------------------|-------|--------------------------------------------|
| ii | libjaxen-java                                                           | 1.1.6-1ubuntu1     | all   | Java XPath engine                          |
| ii | libjaxp1.3-java<br>transformer APIs (DOM, SAX, JAXP, TrAX)              | 1.3.05-2ubuntu3    | all   | Java XML parser and                        |
| ii | libjbig-dev:amd64<br>files                                              | 2.1-3.1            | amd64 | JBIGkit development                        |
| ii | libjbig0:amd64                                                          | 2.1-3.1            | amd64 | JBIGkit libraries                          |
| ii | libjbig0:i386                                                           | 2.1-3.1            | i386  | JBIGkit libraries                          |
| ii | libjbig2dec0<br>- shared libraries                                      | 0.12+20150918-1    | amd64 | JBIG2 decoder library                      |
| ii | libjcommon-java<br>Java                                                 | 1.0.16-5           | all   | General Purpose library for                |
| ii | libjdom1-java<br>using XML                                              | 1.1.3-1            | all   | lightweight and fast library               |
| ii | libjetty-java<br>webserver -- core libraries                            | 6.1.26-5           | all   | Java servlet engine and                    |
| ii | libjfreechart-java<br>1.0.13-8                                          | all                | all   | Chart library for Java                     |
| ii | libjfugue-java<br>programming                                           | 4.0.3-3            | all   | Java API for music                         |
| ii | libjlatexmath-java<br>math mode wrote in Java                           | 1.0.3-1            | all   | Implementation of LaTeX                    |
| ii | libjpeg-dev:amd64<br>Group's JPEG runtime library (dependency package)  | 8c-2ubuntu8        | amd64 | Independent JPEG                           |
| ii | libjpeg-turbo8:amd64<br>compliant runtime library.                      | 1.4.2-0ubuntu3     | amd64 | IJG JPEG                                   |
| ii | libjpeg-turbo8:i386<br>runtime library.                                 | 1.4.2-0ubuntu3     | i386  | IJG JPEG compliant                         |
| ii | libjpeg-turbo8-dev:amd64<br>amd64                                       | 1.4.2-0ubuntu3     | amd64 | Development files for the IJG JPEG library |
| ii | libjpeg62:i386<br>JPEG runtime library (version 6.2)                    | 1:6b2-2            | i386  | Independent JPEG Group's                   |
| ii | libjpeg8:amd64<br>Group's JPEG runtime library (dependency package)     | 8c-2ubuntu8        | amd64 | Independent JPEG                           |
| ii | libjpeg8:i386<br>Group's JPEG runtime library (dependency package)      | 8c-2ubuntu8        | i386  | Independent JPEG                           |
| ii | libjpeg8-dev:amd64<br>Group's JPEG runtime library (dependency package) | 8c-2ubuntu8        | amd64 | Independent JPEG                           |
| ii | libjs-inherits<br>environment                                           | 2.0.1-3            | all   | Exposes inherits function from             |
| ii | libjs-jquery<br>dynamic web applications                                | 1.11.3+dfsg-4      | all   | JavaScript library for                     |
| ii | libjs-modernizr<br>detect HTML5 and CSS3 features in the user's browser | 2.6.2+ds1-1ubuntu1 | all   | JavaScript library to                      |
| ii | libjs-node-uuid<br>RFC4122 UUIDs - JavaScript library                   | 1.4.0-1            | all   | simple, fast generation of                 |
| ii | libjs-sphinxdoc                                                         | 1.3.6-2ubuntu1     | all   | JavaScript support for                     |

|                      |                          |                                                           |                                                                          |
|----------------------|--------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------|
| Sphinx documentation |                          |                                                           |                                                                          |
| ii                   | libjs-underscore         | 1.7.0~dfsg-1ubuntu1                                       | all JavaScript's functional programming helper library                   |
| ii                   | libjsch-java             | 0.1.53-1ubuntu1                                           |                                                                          |
|                      | all                      | Java implementation of the SSH2 protocol                  |                                                                          |
| ii                   | libjson-c2:amd64         | 0.11-4ubuntu2                                             | amd64 JSON manipulation library - shared library                         |
| ii                   | libjson-c2:i386          | 0.11-4ubuntu2                                             | i386 JSON manipulation library - shared library                          |
| ii                   | libjson-glib-1.0-0:amd64 | 1.1.2-0ubuntu1                                            | amd64 GLib JSON manipulation library                                     |
| ii                   | libjson-glib-1.0-common  | 1.1.2-0ubuntu1                                            | all GLib JSON manipulation library (common files)                        |
| ii                   | libjsoncpp1:amd64        | 1.7.2-1                                                   | amd64 library for reading and writing JSON for C++                       |
| ii                   | libjsoup-java            | 1.8.3-1                                                   |                                                                          |
|                      | all                      | Java HTML parser that makes sense of real-world HTML soup |                                                                          |
| ii                   | libjsr305-java           | 0.1~+svn49-9                                              | all Java library that provides annotations for software defect detection |
| ii                   | libk5crypto3:amd64       | 1.13.2+dfsg-5ubuntu1                                      | amd64 MIT Kerberos runtime libraries - Crypto Library                    |
| ii                   | libk5crypto3:i386        | 1.13.2+dfsg-5ubuntu1                                      | i386 MIT Kerberos runtime libraries - Crypto Library                     |
| ii                   | libkate1:amd64           | 0.4.1-7                                                   | amd64 Codec for karaoke and text encapsulation                           |
| ii                   | libkeyutils1:amd64       | 1.5.9-8ubuntu1                                            | amd64 Linux Key Management Utilities (library)                           |
| ii                   | libkeyutils1:i386        | 1.5.9-8ubuntu1                                            | i386 Linux Key Management Utilities (library)                            |
| ii                   | libklibc                 | 2.0.4-8ubuntu1.16.04.2                                    | amd64 minimal libc subset for use with initramfs                         |
| ii                   | libkmod2:amd64           | 22-1ubuntu4                                               | amd64 libkmod shared library                                             |
| ii                   | libkpathsea6:amd64       | 2015.20160222.37495-1                                     | amd64 TeX Live: path search library for TeX (runtime part)               |
| ii                   | libkrb5-26-heimdal:amd64 | 1.7~git20150920+dfsg-4ubuntu1                             | amd64 Heimdal Kerberos - libraries                                       |
| ii                   | libkrb5-3:amd64          | 1.13.2+dfsg-5ubuntu1                                      | amd64 MIT Kerberos runtime libraries                                     |
| ii                   | libkrb5-3:i386           | 1.13.2+dfsg-5ubuntu1                                      | i386 MIT Kerberos runtime libraries                                      |
| ii                   | libkrb5support0:amd64    | 1.13.2+dfsg-5ubuntu1                                      | amd64 MIT Kerberos runtime libraries - Support library                   |
| ii                   | libkrb5support0:i386     | 1.13.2+dfsg-5ubuntu1                                      | i386 MIT Kerberos runtime libraries - Support library                    |
| ii                   | libksba8:amd64           | 1.3.3-1ubuntu0.16.04.1                                    | amd64 X.509 and CMS support library                                      |
| ii                   | liblangtag-common        | 0.5.7-2ubuntu1                                            | all library to access tags                                               |

|                                                   |                                                              |       |                                    |
|---------------------------------------------------|--------------------------------------------------------------|-------|------------------------------------|
| for identifying languages -- data                 |                                                              |       |                                    |
| ii liblangtag1:amd64                              | 0.5.7-2ubuntu1                                               | amd64 | library to access tags             |
| for identifying languages                         |                                                              |       |                                    |
| ii liblapack-dev                                  | 3.6.0-2ubuntu2                                               |       |                                    |
| amd64                                             | Library of linear algebra routines 3 - static version        |       |                                    |
| ii liblapack3                                     | 3.6.0-2ubuntu2                                               | amd64 | Library of linear algebra          |
| routines 3 - shared version                       |                                                              |       |                                    |
| ii liblcms2-2:amd64                               | 2.6-3ubuntu2                                                 | amd64 | Little CMS 2 color                 |
| management library                                |                                                              |       |                                    |
| ii liblcms2-2:i386                                | 2.6-3ubuntu2                                                 | i386  | Little CMS 2 color                 |
| management library                                |                                                              |       |                                    |
| ii liblcms2-utils                                 | 2.6-3ubuntu2                                                 | amd64 | Little CMS 2 color                 |
| management library (utilities)                    |                                                              |       |                                    |
| ii libldap-2.4-2:amd64                            | 2.4.42+dfsg-2ubuntu3.1                                       | amd64 | OpenLDAP                           |
| libraries                                         |                                                              |       |                                    |
| ii libldb1:amd64                                  | 2:1.1.24-1ubuntu3                                            |       |                                    |
| amd64                                             | LDAP-like embedded database - shared library                 |       |                                    |
| ii liblightdm-gobject-1-0:amd64                   | 1.18.3-0ubuntu1                                              | amd64 | LightDM                            |
| GObject client library                            |                                                              |       |                                    |
| ii liblircclient0:amd64                           | 0.9.0-0ubuntu6                                               | amd64 | infra-red remote                   |
| control support - client library                  |                                                              |       |                                    |
| ii liblist-moreutils-perl                         | 0.413-1build1                                                | amd64 | Perl module with                   |
| additional list functions not found in List::Util |                                                              |       |                                    |
| ii liblldb-3.8                                    | 1:3.8-2ubuntu4                                               | amd64 | Next generation, high-             |
| performance debugger, library                     |                                                              |       |                                    |
| ii libllvm3.8:amd64                               | 1:3.8-2ubuntu4                                               | amd64 | Modular compiler                   |
| and toolchain technologies, runtime library       |                                                              |       |                                    |
| ii libllvm3.8:i386                                | 1:3.8-2ubuntu4                                               |       |                                    |
| i386                                              | Modular compiler and toolchain technologies, runtime library |       |                                    |
| ii liblocale-gettext-perl                         | 1.07-1build1                                                 | amd64 | module using libc                  |
| functions for internationalization in Perl        |                                                              |       |                                    |
| ii liblog4j1.2-java                               | 1.2.17-7ubuntu1                                              | all   | Logging library for java           |
| ii liblouis-data                                  | 2.6.4-2                                                      | all   | Braille translation library - data |
| ii liblouis9:amd64                                | 2.6.4-2                                                      | amd64 | Braille translation library        |
| - shared libs                                     |                                                              |       |                                    |
| ii liblouisutdml-bin                              | 2.5.0-3                                                      | amd64 | Braille UTDML                      |
| translation utilities                             |                                                              |       |                                    |
| ii liblouisutdml-data                             | 2.5.0-3                                                      |       |                                    |
| all                                               | Braille UTDML translation library - data                     |       |                                    |
| ii liblouisutdml6:amd64                           | 2.5.0-3                                                      | amd64 | Braille UTDML                      |
| translation library - shared libs                 |                                                              |       |                                    |
| ii liblqr-1-0:amd64                               | 0.4.2-2                                                      | amd64 | converts plain array               |
| images into multi-size representation             |                                                              |       |                                    |
| ii liblsan0:amd64                                 | 5.4.0-6ubuntu1~16.04.4                                       | amd64 | LeakSanitizer -- a                 |
| memory leak detector (runtime)                    |                                                              |       |                                    |
| ii libltdl7:amd64                                 | 2.4.6-0.1                                                    | amd64 | System independent                 |
| dlopen wrapper for GNU libtool                    |                                                              |       |                                    |
| ii liblua5.1-0:amd64                              | 5.1.5-8ubuntu1                                               | amd64 | Shared library for the             |

|                                                 |                                    |       |                                                       |  |
|-------------------------------------------------|------------------------------------|-------|-------------------------------------------------------|--|
| Lua interpreter version 5.1                     |                                    |       |                                                       |  |
| ii liblua5.2-0:amd64                            | 5.2.4-1ubuntu1                     | amd64 | Shared library for the Lua interpreter version        |  |
| 5.2                                             |                                    |       |                                                       |  |
| ii libluajit-5.1-2:amd64                        | 2.0.4+dfsg-1                       | amd64 | Just in time compiler                                 |  |
| for Lua - library version                       |                                    |       |                                                       |  |
| ii libluajit-5.1-common                         | 2.0.4+dfsg-1                       | all   | Just in time compiler for                             |  |
| Lua - common files                              |                                    |       |                                                       |  |
| ii liblwp-mediatypes-perl                       | 6.02-1                             | all   | module to guess media                                 |  |
| type for a file or a URL                        |                                    |       |                                                       |  |
| ii liblwp-protocol-https-perl                   | 6.06-2                             | all   | HTTPS driver for                                      |  |
| LWP::UserAgent                                  |                                    |       |                                                       |  |
| ii liblwres141:amd64                            | 1:9.10.3.dfsg.P4-8ubuntu1.4        | amd64 | Lightweight                                           |  |
| Resolver Library used by BIND                   |                                    |       |                                                       |  |
| ii liblz4-1:amd64                               | 0.0~r131-2ubuntu2                  | amd64 | Fast LZ compression algorithm library -               |  |
| runtime                                         |                                    |       |                                                       |  |
| ii liblzma-dev:amd64                            | 5.1.1alpha+20120614-2ubuntu2       | amd64 | XZ-format                                             |  |
| compression library - development files         |                                    |       |                                                       |  |
| ii liblzma5:amd64                               | 5.1.1alpha+20120614-2ubuntu2       | amd64 | XZ-format                                             |  |
| compression library                             |                                    |       |                                                       |  |
| ii liblzma5:i386                                | 5.1.1alpha+20120614-2ubuntu2       | i386  | XZ-format                                             |  |
| compression library                             |                                    |       |                                                       |  |
| ii liblzo2-2:amd64                              | 2.08-1.2                           | amd64 | data compression library                              |  |
| ii libmad0:amd64                                | 0.15.1b-8ubuntu1                   | amd64 | MPEG audio                                            |  |
| decoder library                                 |                                    |       |                                                       |  |
| ii libmagic1:amd64                              | 1:5.25-2ubuntu1                    | amd64 | File type determination library using "magic" numbers |  |
| ii libmagiccore-6.q16-2:amd64                   | 8:6.8.9.9-7ubuntu5.3               | amd64 | low-level                                             |  |
| image manipulation library -- quantum depth Q16 |                                    |       |                                                       |  |
| ii libmagiccore-6.q16-2-extra:amd64             | 8:6.8.9.9-7ubuntu5.3               | amd64 | low-level                                             |  |
| image manipulation library - extra codecs (Q16) |                                    |       |                                                       |  |
| ii libmagicwand-6.q16-2:amd64                   | 8:6.8.9.9-7ubuntu5.3               | amd64 | image                                                 |  |
| manipulation library                            |                                    |       |                                                       |  |
| ii libmail-sendmail-perl                        | 0.79.16-1                          | all   | Send email from a perl                                |  |
| script                                          |                                    |       |                                                       |  |
| ii libmailtools-perl                            | 2.13-1                             | all   | Manipulate email in perl                              |  |
| programs                                        |                                    |       |                                                       |  |
| ii libmaven-parent-java                         | 21-2                               | all   | Maven metadata for Apache Maven itself                |  |
| Maven metadata for Apache Maven itself          |                                    |       |                                                       |  |
| ii libmaven2-core-java                          | 2.2.1-24                           | all   | Core libraries for Maven2                             |  |
| ii libmaven3-core-java                          | 3.3.9-3                            | all   | Core libraries for Maven 3                            |  |
| ii libmbim-glib4:amd64                          | 1.12.2-2ubuntu1                    | amd64 | Support library to                                    |  |
| use the MBIM protocol                           |                                    |       |                                                       |  |
| ii libmbim-proxy                                | 1.12.2-2ubuntu1                    | amd64 | Proxy to                                              |  |
| communicate with MBIM ports                     |                                    |       |                                                       |  |
| ii libmedia1                                    | 0.1.0+git20151016+6d424c9-0ubuntu7 | amd64 | Library to                                            |  |
| provide access to the Android Media HAL         |                                    |       |                                                       |  |

|    |                                                            |                                 |       |                                         |
|----|------------------------------------------------------------|---------------------------------|-------|-----------------------------------------|
| ii | libmediaart-2.0-0:amd64                                    | 1.9.0-2                         | amd64 |                                         |
|    | media art extraction and cache management library          |                                 |       |                                         |
| ii | libmessaging-menu0:amd64                                   | 13.10.1+15.10.20150505-0ubuntu1 | amd64 |                                         |
|    | Messaging Menu - shared library                            |                                 |       |                                         |
| ii | libmetacity-private3a:amd64                                | 1:3.18.7-0ubuntu0.2             | amd64 | library for the                         |
|    | Metacity window manager                                    |                                 |       |                                         |
| ii | libmhash2:amd64                                            | 0.9.9.9-7                       | amd64 | Library for                             |
|    | cryptographic hashing and message authentication           |                                 |       |                                         |
| ii | libmimic0:amd64                                            | 1.0.4-2.3                       | amd64 | A video codec for                       |
|    | Mimic V2.x content                                         |                                 |       |                                         |
| ii | libminiupnpc10:amd64                                       | 1.9.20140610-2ubuntu2           | amd64 | UPnP IGD                                |
|    | client lightweight library                                 |                                 |       |                                         |
| ii | libmirclient9:amd64                                        | 0.21.0+16.04.20160330-0ubuntu1  | amd64 | Display                                 |
|    | server for Ubuntu - client library                         |                                 |       |                                         |
| ii | libmircommon5:amd64                                        | 0.21.0+16.04.20160330-0ubuntu1  | amd64 | Display                                 |
|    | server for Ubuntu - shared library                         |                                 |       |                                         |
| ii | libmirprotobuf3:amd64                                      | 0.21.0+16.04.20160330-0ubuntu1  | amd64 | Display                                 |
|    | server for Ubuntu - RPC definitions                        |                                 |       |                                         |
| ii | libmjpegutils-2.1-0                                        | 1:2.1.0+debian-4                | amd64 | MJPEG                                   |
|    | capture/editing/replay and MPEG encoding toolset (library) |                                 |       |                                         |
| ii | libmm-glib0:amd64                                          | 1.4.12-1ubuntu1                 | amd64 | D-Bus service for                       |
|    | managing modems - shared libraries                         |                                 |       |                                         |
| ii | libmms0:amd64                                              | 0.6.4-1                         | amd64 | MMS stream protocol                     |
|    | library - shared library                                   |                                 |       |                                         |
| ii | libmng2:amd64                                              | 2.0.2-0ubuntu3                  | amd64 | Multiple-image Network Graphics library |
| ii | libmng2:i386                                               | 2.0.2-0ubuntu3                  | i386  | Multiple-image Network Graphics library |
| ii | libmnl0:amd64                                              | 1.0.3-5                         | amd64 | minimalistic Netlink                    |
|    | communication library                                      |                                 |       |                                         |
| ii | libmodplug1:amd64                                          | 1:0.8.8.5-2                     | amd64 | shared libraries for                    |
|    | mod music based on ModPlug                                 |                                 |       |                                         |
| ii | libmono-2.0-dev                                            | 4.2.1.102+dfsg2-7ubuntu4        | amd64 | Mono JIT library                        |
|    | - Development files (Default version)                      |                                 |       |                                         |
| ii | libmono-accessibility4.0-cil                               | 4.2.1.102+dfsg2-7ubuntu4        | all   | Mono                                    |
|    | Accessibility library (for CLI 4.0)                        |                                 |       |                                         |
| ii | libmono-c5-1.1-cil                                         | 4.2.1.102+dfsg2-7ubuntu4        | all   | Mono C5 library                         |
| ii | libmono-cairo4.0-cil                                       | 4.2.1.102+dfsg2-7ubuntu4        | all   | Mono Cairo library                      |
|    | (for CLI 4.0)                                              |                                 |       |                                         |
| ii | libmono-cecil-private-cil                                  | 4.2.1.102+dfsg2-7ubuntu4        | all   | Mono.Cecil                              |
|    | library                                                    |                                 |       |                                         |
| ii | libmono-cil-dev                                            | 4.2.1.102+dfsg2-7ubuntu4        | all   | Mono Base Class                         |
|    | Libraries (BCL) - Development files                        |                                 |       |                                         |
| ii | libmono-codecontracts4.0-cil                               | 4.2.1.102+dfsg2-7ubuntu4        | all   |                                         |
|    | Mono.CodeContracts library (for CLI 4.0)                   |                                 |       |                                         |
| ii | libmono-compilerservices-symbolwriter4.0-cil               | 4.2.1.102+dfsg2-7ubuntu4        | all   |                                         |
|    | Mono.CompilerServices.SymbolWriter library (for CLI 4.0)   |                                 |       |                                         |



|                                                                                                           |                          |                                 |                   |
|-----------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------|-------------------|
| ii libmono-corlib4.5-cil<br>(for CLI 4.5)                                                                 | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono core library |
| ii libmono-cscompmgd0.0-cil<br>cscompmgd library (for CLI 4.0)                                            | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-csharp4.0c-cil<br>library (for CLI 4.0)                                                        | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono.CSharp       |
| ii libmono-custommarshalers4.0-cil<br>CustomMarshalers library (for CLI 4.0)                              | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-data-tds4.0-cil<br>Library (for CLI 4.0)                                                       | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono Data         |
| ii libmono-db2-1.0-cil                                                                                    | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono DB2 library  |
| ii libmono-debugger-soft4.0a-cil<br>Debugger library (for CLI 4.0)                                        | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono Soft         |
| ii libmono-http4.0-cil<br>4.2.1.102+dfsg2-7ubuntu4                                                        | all                      | Mono.Http library (for CLI 4.0) |                   |
| ii libmono-i18n-cjk4.0-cil<br>library (for CLI 4.0)                                                       | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono I18N.CJK     |
| ii libmono-i18n-mideast4.0-cil<br>I18N.MidEast library (for CLI 4.0)                                      | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-i18n-other4.0-cil<br>I18N.Other library (for CLI 4.0)                                          | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-i18n-rare4.0-cil<br>library (for CLI 4.0)                                                      | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono I18N.Rare    |
| ii libmono-i18n-west4.0-cil<br>I18N.West library (for CLI 4.0)                                            | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-i18n4.0-all<br>all Mono I18N libraries metapackage (for CLI 4.0)                               | 4.2.1.102+dfsg2-7ubuntu4 |                                 |                   |
| ii libmono-i18n4.0-cil<br>library (for CLI 4.0)                                                           | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono I18N base    |
| ii libmono-ldap4.0-cil<br>library (for CLI 4.0)                                                           | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono LDAP         |
| ii libmono-management4.0-cil<br>Management library (for CLI 4.0)                                          | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-messaging-rabbitmq4.0-cil<br>Messaging RabbitMQ library (for CLI 4.0)                          | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-messaging4.0-cil<br>Messaging library (for CLI 4.0)                                            | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-microsoft-build-engine4.0-cil<br>all Mono Microsoft.Build.Engine library (for CLI 4.0)         | 4.2.1.102+dfsg2-7ubuntu4 |                                 |                   |
| ii libmono-microsoft-build-framework4.0-cil<br>Microsoft.Build.Framework library (for CLI 4.0)            | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-microsoft-build-tasks-v4.0-4.0-cil<br>Microsoft.Build.Tasks.v4.0 library (for CLI 4.0)         | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-microsoft-build-utilities-v4.0-4.0-cil<br>Microsoft.Build.Utilities.v4.0 library (for CLI 4.0) | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-microsoft-build4.0-cil<br>Microsoft.Build library (for CLI 4.0)                                | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |
| ii libmono-microsoft-csharp4.0-cil                                                                        | 4.2.1.102+dfsg2-7ubuntu4 | all                             | Mono              |

|                                                                  |                                                              |                          |     |                         |
|------------------------------------------------------------------|--------------------------------------------------------------|--------------------------|-----|-------------------------|
| Microsoft.CSharp library (for CLI 4.0)                           |                                                              |                          |     |                         |
| ii                                                               | libmono-microsoft-visualc10.0-cil                            | 4.2.1.102+dfsg2-7ubuntu4 |     |                         |
|                                                                  | all Mono Microsoft.VisualBasic library (for CLI 4.0)         |                          |     |                         |
| ii                                                               | libmono-microsoft-web-infrastructure1.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| Microsoft.Web.Infrastructure library (for CLI 4.0)               |                                                              |                          |     |                         |
| ii                                                               | libmono-oracle4.0-cil                                        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Oracle             |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-parallel4.0-cil                                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono.Parallel           |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-peapi4.0a-cil                                        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono PEAPI              |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-posix4.0-cil                                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono.Posix              |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-rabbitmq4.0-cil                                      | 4.2.1.102+dfsg2-7ubuntu4 |     |                         |
|                                                                  | all Mono RabbitMQ.Client library (for CLI 4.0)               |                          |     |                         |
| ii                                                               | libmono-relaxng4.0-cil                                       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Relaxng            |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-security4.0-cil                                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Security           |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-sharpzip4.84-cil                                     | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| SharpZipLib library (for CLI 4.0)                                |                                                              |                          |     |                         |
| ii                                                               | libmono-simd4.0-cil                                          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono SIMD (for CLI 4.0) |
| ii                                                               | libmono-smiagnostics0.0-cil                                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| SMDiagnostics Library (for CLI 4.0)                              |                                                              |                          |     |                         |
| ii                                                               | libmono-sqlite4.0-cil                                        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono Sqlite             |
| library (for CLI 4.0)                                            |                                                              |                          |     |                         |
| ii                                                               | libmono-system-componentmodel-composition4.0-cil             | 4.2.1.102+dfsg2-7ubuntu4 |     | all                     |
| Mono System.ComponentModel.Composition library (for CLI 4.0)     |                                                              |                          |     |                         |
| ii                                                               | libmono-system-componentmodel-dataannotations4.0-cil         | 4.2.1.102+dfsg2-7ubuntu4 |     | all                     |
| Mono System.ComponentModel.DataAnnotations library (for CLI 4.0) |                                                              |                          |     |                         |
| ii                                                               | libmono-system-configuration-install4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Configuration.Install library (for CLI 4.0)               |                                                              |                          |     |                         |
| ii                                                               | libmono-system-configuration4.0-cil                          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Configuration library (for CLI 4.0)                       |                                                              |                          |     |                         |
| ii                                                               | libmono-system-core4.0-cil                                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Core library (for CLI 4.0)                                |                                                              |                          |     |                         |
| ii                                                               | libmono-system-data-datasetextensions4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 |     |                         |
|                                                                  | all Mono System.Data.DataSetExtensions library (for CLI 4.0) |                          |     |                         |
| ii                                                               | libmono-system-data-entity4.0-cil                            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Data.Entity library (for CLI 4.0)                         |                                                              |                          |     |                         |
| ii                                                               | libmono-system-data-linq4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Data.Linq Library (for CLI 4.0)                           |                                                              |                          |     |                         |
| ii                                                               | libmono-system-data-services-client4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Data.Services.Client library (for CLI 4.0)                |                                                              |                          |     |                         |
| ii                                                               | libmono-system-data-services4.0-cil                          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |
| System.Data.Services library (for CLI 4.0)                       |                                                              |                          |     |                         |
| ii                                                               | libmono-system-data4.0-cil                                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono                    |

|                                                          |                                                 |                          |                                                     |      |
|----------------------------------------------------------|-------------------------------------------------|--------------------------|-----------------------------------------------------|------|
| System.Data library (for CLI 4.0)                        |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-design4.0-cil                    | 4.2.1.102+dfsg2-7ubuntu4 |                                                     |      |
|                                                          | all                                             |                          | Mono System.Design Library (for CLI 4.0)            |      |
| ii                                                       | libmono-system-drawing-design4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Drawing.Design (for CLI 4.0)                      |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-drawing4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Drawing library (for CLI 4.0)                     |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-dynamic4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Dynamic library (for CLI 4.0)                     |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-enterpriseservices4.0-cil        | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.EnterpriseServices library (for CLI 4.0)          |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-identitymodel-selectors4.0-cil   | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.IdentityModel.Selectors Library (for CLI 4.0)     |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-identitymodel4.0-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
|                                                          |                                                 |                          | Mono System.IdentityModel Library (for CLI 4.0)     |      |
| ii                                                       | libmono-system-io-compression-filesystem4.0-cil | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.IO.Compression.FileSystem library (for CLI 4.0)   |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-io-compression4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.IO.Compression library (for CLI 4.0)              |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-json-microsoft4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Json.Microsoft library (for CLI 4.0)              |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-json4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Json library (for CLI 4.0)                        |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-ldap-protocols4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.DirectoryServices.Protocols library (for CLI 4.0) |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-ldap4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
|                                                          |                                                 |                          | Mono System.DirectoryServices library (for CLI 4.0) |      |
| ii                                                       | libmono-system-management4.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Management library (for CLI 4.0)                  |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-messaging4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Messaging library (for CLI 4.0)                   |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-net-http-formatting4.0-cil       | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Net.Http.Formatting library (for CLI 4.0)         |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-net-http-webrequest4.0-cil       | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Net.Http.WebRequest library (for CLI 4.0)         |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-net-http4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Net.Http library (for CLI 4.0)                    |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-net4.0-cil                       | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Net library (for CLI 4.0)                         |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-numeric4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Numerics library (for CLI 4.0)                    |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-reactive-core2.2-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Reactive.Core Library (for CLI 4.5)               |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-reactive-debugger2.2-cil         | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |
| System.Reactive.Debugger Library (for CLI 4.5)           |                                                 |                          |                                                     |      |
| ii                                                       | libmono-system-reactive-experimental2.2-cil     | 4.2.1.102+dfsg2-7ubuntu4 | all                                                 | Mono |

|                                                                         |                                                             |                          |     |      |
|-------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------|-----|------|
| System.Reactive.Experimental Library (for CLI 4.5)                      |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-interfaces2.2-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Interfaces Library (for CLI 4.5)                        |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-linq2.2-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Linq Library (for CLI 4.5)                              |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-observable-aliases0.0-cil           | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Linq Library (for CLI 4.5)                              |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-platformservices2.2-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.PlatformServices Library (for CLI 4.5)                  |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-providers2.2-cil                    | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Providers Library (for CLI 4.5)                         |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-runtime-remoting2.2-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Runtime.Remoting Library (for CLI 4.5)                  |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-windows-forms2.2-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Windows.Forms Library (for CLI 4.5)                     |                                                             |                          |     |      |
| ii                                                                      | libmono-system-reactive-windows-threading2.2-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Reactive.Windows.Threading Library (for CLI 4.5)                 |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-caching4.0-cil                       | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime.Caching Library (for CLI 4.0)                            |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-durableinstancing4.0-cil             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime.DurableInstancing Library (for CLI 4.0)                  |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-serialization-formatters-soap4.0-cil | 4.2.1.102+dfsg2-7ubuntu4 | all |      |
| Mono System.Runtime.Serialization.Formatters.Soap Library (for CLI 4.0) |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime-serialization4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime.Serialization Library (for CLI 4.0)                      |                                                             |                          |     |      |
| ii                                                                      | libmono-system-runtime4.0-cil                               | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Runtime library (for CLI 4.0)                                    |                                                             |                          |     |      |
| ii                                                                      | libmono-system-security4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Security library (for CLI 4.0)                                   |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-activation4.0-cil               | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Activation Library (for CLI 4.0)                    |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-discovery4.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Discovery Library (for CLI 4.0)                     |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-internals0.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Internals Library (for CLI 4.0)                     |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-routing4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Routing Library (for CLI 4.0)                       |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel-web4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel.Web Library (for CLI 4.0)                           |                                                             |                          |     |      |
| ii                                                                      | libmono-system-servicemodel4.0a-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceModel Library (for CLI 4.0)                               |                                                             |                          |     |      |
| ii                                                                      | libmono-system-serviceprocess4.0-cil                        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.ServiceProcess library (for CLI 4.0)                             |                                                             |                          |     |      |
| ii                                                                      | libmono-system-threading-tasks-dataflow4.0-cil              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Threading.Tasks.Dataflow library (for CLI 4.0)                   |                                                             |                          |     |      |
| ii                                                                      | libmono-system-transactions4.0-cil                          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono |
| System.Transactions library (for CLI 4.0)                               |                                                             |                          |     |      |

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|-----------------------------------------------------------|--------------------------|-----|-------------------------------------------------------------------|
| ii libmono-system-web-abstractions4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Abstractions library (for CLI 4.0)                |
| ii libmono-system-web-applicationservices4.0-cil          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.ApplicationServices library (for CLI 4.0)         |
| ii libmono-system-web-dynamicdata4.0-cil                  | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.DynamicData library (for CLI 4.0)                 |
| ii libmono-system-web-extensions-design4.0-cil            | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Extensions.Design library (for CLI 4.0)           |
| ii libmono-system-web-extensions4.0-cil                   | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Extensions library (for CLI 4.0)                  |
| ii libmono-system-web-http-selfhost4.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Http.SelfHost library (for CLI 4.0)               |
| ii libmono-system-web-http-webhost4.0-cil                 | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Http.WebHost library (for CLI 4.0)                |
| ii libmono-system-web-http4.0-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Http library (for CLI 4.0)                        |
| ii libmono-system-web-mvc3.0-cil                          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono ASP.NET MVC 3.0 Library (for CLI 4.0)                        |
| ii libmono-system-web-razor2.0-cil                        | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Razor (for CLI 4.0)                               |
| ii libmono-system-web-routing4.0-cil                      | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Routing (for CLI 4.0)                             |
| ii libmono-system-web-services4.0-cil                     | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.Services (for CLI 4.0)                            |
| ii libmono-system-web-webpages-deployment2.0-cil          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.WebPages.Deployment (for CLI 4.0)                 |
| ii libmono-system-web-webpages-razor2.0-cil               | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.WebPages.Razor (for CLI 4.0)                      |
| ii libmono-system-web-webpages2.0-cil                     | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web.WebPages (for CLI 4.0)                            |
| ii libmono-system-web4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Web library (for CLI 4.0)                             |
| ii libmono-system-windows-forms-datavisualization4.0a-cil | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Windows.Forms.DataVisualization Library (for CLI 4.0) |
| ii libmono-system-windows-forms4.0-cil                    | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Windows.Forms Library (for CLI 4.0)                   |
| ii libmono-system-windows4.0-cil                          | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Windows library (for CLI 4.0)                         |
| ii libmono-system-xaml4.0-cil                             | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Xaml Library (for CLI 4.0)                            |
| ii libmono-system-xml-linq4.0-cil                         | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Xml.Linq library (for CLI 4.0)                        |
| ii libmono-system-xml-serialization4.0-cil                | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Xml.Serialization library (for CLI 4.0)               |
| ii libmono-system-xml4.0-cil                              | 4.2.1.102+dfsg2-7ubuntu4 | all | Mono System.Xml library (for CLI 4.0)                             |

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|----------------------------------------------------------------------------------|--------------------------|-------|------------------------------------------------|
| ii libmono-system4.0-cil<br>libraries (for CLI 4.0)                              | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono System                                    |
| ii libmono-tasklets4.0-cil<br>library (for CLI 4.0)                              | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono Tasklets                                  |
| ii libmono-webbrowser4.0-cil<br>Browser library (for CLI 4.0)                    | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono Web                                       |
| ii libmono-webmatrix-data4.0-cil<br>WebMatrix.Data Library (for CLI 4.0)         | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmono-windowsbase4.0-cil<br>WindowsBase library (for CLI 4.0)               | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmono-xbuild-tasks4.0-cil<br>Mono.XBuild.Tasks library (for CLI 4.0)        | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono                                           |
| ii libmonoboehm-2.0-1<br>library (Boehm GC)                                      | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono JIT                                       |
| ii libmonoboehm-2.0-dev<br>(Boehm GC)                                            | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono JIT library - Development files           |
| ii libmount1:amd64<br>library                                                    | 2.27.1-6ubuntu3.2        | amd64 | device mounting                                |
| ii libmp3lame0:amd64<br>library                                                  | 3.99.5+repack1-9build1   | amd64 | MP3 encoding                                   |
| ii libmpc3:amd64<br>complex floating-point library                               | 1.0.3-1                  | amd64 | multiple precision                             |
| ii libmpdec2:amd64<br>floating point arithmetic (runtime library)                | 2.4.2-1                  | amd64 | library for decimal                            |
| ii libmpeg2-4:amd64<br>video decoder library                                     | 0.5.1-7                  | amd64 | MPEG1 and MPEG2                                |
| ii libmpeg2encpp-2.1-0<br>1:2.1.0+debian-4<br>toolset (library)                  | amd64                    |       | MJPEG capture/editing/replay and MPEG encoding |
| ii libmpfr4:amd64<br>floating-point computation                                  | 3.1.4-1                  | amd64 | multiple precision                             |
| ii libmpeg123-0:amd64<br>audio decoder (shared library)                          | 1.22.4-1                 | amd64 | MPEG layer 1/2/3                               |
| ii libmplex2-2.1-0<br>capture/editing/replay and MPEG encoding toolset (library) | 1:2.1.0+debian-4         | amd64 | MJPEG                                          |
| ii libmpx0:amd64<br>protection extensions (runtime)                              | 5.4.0-6ubuntu1~16.04.4   | amd64 | Intel memory                                   |
| ii libmshpub-0.1-1:amd64<br>the mshpub file structure                            | 0.1.2-2ubuntu1           | amd64 | library for parsing                            |
| ii libmtdev1:amd64<br>Translation Library - shared library                       | 1.1.5-1ubuntu2           | amd64 | Multitouch Protocol                            |
| ii libmtp-common<br>Protocol (MTP) common files                                  | 1.1.10-2ubuntu1          | all   | Media Transfer                                 |
| ii libmtp-runtime<br>Protocol (MTP) runtime tools                                | 1.1.10-2ubuntu1          | amd64 | Media Transfer                                 |

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|-----------------------------------------------------------------------------------|-----------------------------|-------|---------------------------------|
| ii libmtp9:amd64<br>Protocol (MTP) library                                        | 1.1.10-2ubuntu1             | amd64 | Media Transfer                  |
| ii libmwaw-0.3-3:amd64<br>some old Mac text documents                             | 0.3.7-1ubuntu2              | amd64 | import library for              |
| ii libmysqlclient20:i386<br>client library                                        | 5.7.17-0ubuntu0.16.04.1     | i386  | MySQL database                  |
| ii<br>libmythes-1.2-0:amd64<br>library                                            | 2:1.2.4-1ubuntu3            | amd64 | simple thesaurus                |
| ii libnatpmp1:amd64<br>compliant implementation of NAT-PMP                        | 20110808-4                  | amd64 | portable and fully              |
| ii libnautilus-extension1a:amd64<br>nautilus components - runtime version         | 1:3.18.4.is.3.14.3-0ubuntu5 | amd64 | libraries for                   |
| ii libnb-org-openide-util-java<br>NetBeans Platform                               | 8.1+dfsg1-2                 | all   | Utility classes from the        |
| ii libnb-org-openide-util-lookup-java<br>classes from the NetBeans Platform       | 8.1+dfsg1-2                 | all   | Utility lookup                  |
| ii libncurses5:amd64<br>for terminal handling                                     | 6.0+20160213-1ubuntu1       | amd64 | shared libraries                |
| ii<br>libncurses5:i386<br>terminal handling                                       | 6.0+20160213-1ubuntu1       | i386  | shared libraries for            |
| ii libncurses5-dev:amd64<br>libraries for ncurses                                 | 6.0+20160213-1ubuntu1       | amd64 | developer's                     |
| ii libncursesw5:amd64<br>libraries for terminal handling (wide character support) | 6.0+20160213-1ubuntu1       | amd64 | shared                          |
| ii libncursesw5:i386<br>for terminal handling (wide character support)            | 6.0+20160213-1ubuntu1       | i386  | shared libraries                |
| ii libndp0:amd64<br>Neighbor Discovery Protocol                                   | 1.4-2ubuntu0.16.04.1        | amd64 | Library for                     |
| ii libneon27-gnutls:amd64<br>WebDAV client<br>library (GnuTLS enabled)            | 0.30.1-3build1              | amd64 | HTTP and                        |
| ii libnet-dbus-perl<br>DBus bindings                                              | 1.1.0-3build1               | amd64 | Perl extension for the          |
| ii libnet-dns-perl<br>from a Perl script                                          | 0.81-2build1                | amd64 | Perform DNS queries             |
| ii libnet-domain-tld-perl<br>Top-level Domains (TLDs)                             | 1.73-1                      | all   | list of currently available     |
| ii libnet-http-perl<br>HTTP connection client                                     | 6.09-1                      | all   | module providing low-level      |
| ii libnet-ip-perl<br>IPv4/IPv6 addresses                                          | 1.26-1                      | all   | Perl extension for manipulating |
| ii libnet-libidn-perl<br>bindings for GNU Libidn                                  | 0.12.ds-2build2             | amd64 | Perl                            |
| ii libnet-smtp-ssl-perl<br>support to Net::SMTP                                   | 1.03-1                      | all   | Perl module providing SSL       |
| ii libnet-ssleay-perl                                                             | 1.72-1build1                | amd64 | Perl module for Secure          |

Sockets Layer (SSL)

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|---------------------------------|---------------------------|-------|------------------------------------------------------------------|
| ii libnetfilter-contrack3:amd64 | 1.0.5-1                   | amd64 | Netfilter netlink-contrack library                               |
| ii libnetpbm10                  | 2:10.0-15.3               | amd64 | Graphics conversion tools shared libraries                       |
| ii libnettle6:amd64             | 3.2-1ubuntu0.16.04.1      | amd64 | low level cryptographic library (symmetric and one-way cryptos)  |
| ii libnettle6:i386              | 3.2-1ubuntu0.16.04.1      | i386  | low level cryptographic library (symmetric and one-way cryptos)  |
| ii libnewt0.52:amd64            | 0.52.18-1ubuntu2          | amd64 | Not Erik's Windowing Toolkit - text mode windowing with slang    |
| ii libnfnetwork0:amd64          | 1.0.1-3                   | amd64 | Netfilter netlink library                                        |
| ii libnih-dbus1:amd64           | 1.0.3-4.3ubuntu1          | amd64 | NIH D-Bus Bindings Library                                       |
| ii libnih1:amd64                | 1.0.3-4.3ubuntu1          | amd64 | NIH Utility Library                                              |
| ii libnl-3-200:amd64            | 3.2.27-1                  | amd64 | library for dealing with netlink sockets                         |
| ii libnl-genl-3-200:amd64       | 3.2.27-1                  | amd64 | library for dealing with netlink sockets - generic netlink       |
| ii libnm-glib-vpn1:amd64        | 1.2.2-0ubuntu0.16.04.3    | amd64 | network management framework (GLib VPN shared library)           |
| ii libnm-glib4:amd64            | 1.2.2-0ubuntu0.16.04.3    | amd64 | network management framework (GLib shared library)               |
| ii libnm-gtk-common             | 1.2.0-0ubuntu0.16.04.4    | all   | library for wireless and mobile dialogs - common files           |
| ii libnm-gtk0:amd64             | 1.2.0-0ubuntu0.16.04.4    | amd64 | library for wireless and mobile dialogs (libnm-glib version)     |
| ii libnm-util2:amd64            | 1.2.2-0ubuntu0.16.04.3    | amd64 | network management framework (shared library)                    |
| ii libnm0:amd64                 | 1.2.2-0ubuntu0.16.04.3    | amd64 | GObject-based client library for NetworkManager                  |
| ii libnma-common                | 1.2.0-0ubuntu0.16.04.4    | all   | library for wireless and mobile dialogs - common files           |
| ii libnma0:amd64                | 1.2.0-0ubuntu0.16.04.4    | amd64 | library for wireless and mobile dialogs (libnm version)          |
| ii libnotify-bin                | 0.7.6-2svn1               | amd64 | sends desktop notifications to a notification daemon (Utilities) |
| ii libnotify4:amd64             | 0.7.6-2svn1               | amd64 | sends desktop notifications to a notification daemon             |
| ii libnpt0:amd64                | 1.2-3                     | amd64 | replacement for GNU Pth using system threads                     |
| ii libnspr4:amd64               | 2:4.12-0ubuntu0.16.04.1   | amd64 | NetScape Portable Runtime Library                                |
| ii libnss-mdns:amd64            | 0.10-7                    | amd64 | NSS module for Multicast DNS name resolution                     |
| ii libnss3:amd64                | 2:3.26.2-0ubuntu0.16.04.2 | amd64 | Network Security Service libraries                               |



|                             |                               |              |                                                                      |                                          |
|-----------------------------|-------------------------------|--------------|----------------------------------------------------------------------|------------------------------------------|
| ii libnss3-1d:amd64         | 2:3.26.2-0ubuntu0.16.04.2     | amd64        | Network Security Service libraries - transitional package            |                                          |
| ii libnss3-nssdb            | 2:3.26.2-0ubuntu0.16.04.2     | all          | Network Security Service libraries - shared databases                |                                          |
| ii libnuma1:amd64           | 2.0.11-1ubuntu1               | amd64        | Libraries for controlling NUMA policy                                |                                          |
| ii libnunit-cil-dev         | 2.6.4+dfsg-1                  | all          | Unit test framework for CLI - Development files                      |                                          |
| ii libnunit-console-runner  | 2.6.3-cil                     | 2.6.4+dfsg-1 | all                                                                  | Unit test framework for CLI - Assemblies |
| ii libnunit-core-interfaces | 2.6.3-cil                     | 2.6.4+dfsg-1 | all                                                                  | Unit test framework for CLI - Assemblies |
| ii libnunit-core            | 2.6.3-cil                     | 2.6.4+dfsg-1 | all                                                                  | Unit test framework for CLI - Assemblies |
| ii libnunit-framework       | 2.6.3-cil                     | 2.6.4+dfsg-1 | all                                                                  | Unit test framework for CLI - Assemblies |
| ii libnunit-mocks           | 2.6.3-cil                     | 2.6.4+dfsg-1 | all                                                                  | Unit test framework for CLI - Assemblies |
| ii libnunit-util            | 2.6.3-cil                     | 2.6.4+dfsg-1 | all                                                                  | Unit test framework for CLI - Assemblies |
| ii libnux-4.0-0             | 4.0.8+16.04.20160705-0ubuntu1 | amd64        | Visual rendering toolkit for real-time applications - shared lib     |                                          |
| ii libnux-4.0-common        | 4.0.8+16.04.20160705-0ubuntu1 | all          | Visual rendering toolkit for real-time applications - common files   |                                          |
| ii liboauth0:amd64          | 1.0.3-0ubuntu2                | amd64        | C library for implementing OAuth 1.0                                 |                                          |
| ii libobjc-5-dev:amd64      | 5.4.0-6ubuntu1~16.04.4        | amd64        | Runtime library for GNU Objective-C applications (development files) |                                          |
| ii libobjc4:amd64           | 5.4.0-6ubuntu1~16.04.4        | amd64        | Runtime library for GNU Objective-C applications                     |                                          |
| ii libobjenesis-java        | 2.2-1                         | all          | Java library to instantiate a new object of a particular class       |                                          |
| ii libodfgen-0.1-1          | 0.1.6-1ubuntu2                | amd64        | library to generate ODF documents                                    |                                          |
| ii libofa0:amd64            | 0.9.3-10ubuntu1               | amd64        | library for acoustic fingerprinting                                  |                                          |
| ii libogg0:amd64            | 1.3.2-1                       | amd64        | Ogg bitstream library                                                |                                          |
| ii libogg0:i386             | 1.3.2-1                       | i386         | Ogg bitstream library                                                |                                          |
| ii libopenal-data           | 1:1.16.0-3                    | all          | Software implementation of the OpenAL audio API (data files)         |                                          |
| ii libopenal1:amd64         | 1:1.16.0-3                    | amd64        | Software implementation of the OpenAL audio API (shared library)     |                                          |
| ii libopencore-amrnb0:amd64 | 0.1.3-2.1                     | amd64        | Adaptive Multi-Rate speech codec - shared library                    |                                          |
| ii libopencore-amrwb0:amd64 | 0.1.3-2.1                     | amd64        | Adaptive Multi-Rate - Wideband speech codec - shared library         |                                          |

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| ii libopencv-calib3d-dev:amd64<br>development files for libopencv-calib3d                           | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| ii libopencv-calib3d2.4v5:amd64<br>vision Camera Calibration library                                | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-contrib-dev:amd64<br>development files for libopencv-contrib                           | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| ii libopencv-contrib2.4v5:amd64<br>vision contrib library                                           | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-core-dev:amd64<br>files for libopencv-core                                             | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| ii libopencv-core2.4v5:amd64<br>vision core library                                                 | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-dev<br>for opencv                                                                      | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development files |
| ii libopencv-features2d-dev:amd64<br>development files for libopencv-features2d                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| ii libopencv-features2d2.4v5:amd64<br>vision Feature Detection and Descriptor<br>Extraction library | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-flann-dev:amd64<br>files for libopencv-flann                                           | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| ii libopencv-flann2.4v5:amd64<br>vision Clustering and Search in Multi-Dimensional spaces library   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-gpu-dev:amd64<br>files for libopencv-gpu2.4v5                                          | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| ii libopencv-gpu2.4v5:amd64<br>vision GPU library                                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-highgui-dev:amd64<br>development files for libopencv-highgui                           | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| ii libopencv-highgui2.4v5:amd64<br>vision<br>High-level GUI and Media I/O library                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-imgproc-dev:amd64<br>development files for libopencv-imgproc                           | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                   |
| ii libopencv-imgproc2.4v5:amd64<br>vision Image Processing library                                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-legacy-dev:amd64<br>files for libopencv-legacy                                         | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| ii libopencv-legacy2.4v5:amd64<br>vision legacy library                                             | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-ml-dev:amd64<br>files for libopencv-ml                                                 | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| ii libopencv-ml2.4v5:amd64<br>vision Machine Learning library                                       | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |
| ii libopencv-objdetect-dev:amd64<br>files for libopencv-objdetect                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development       |
| ii libopencv-objdetect2.4v5:amd64                                                                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer          |

|                                                |                         |       |                                       |  |
|------------------------------------------------|-------------------------|-------|---------------------------------------|--|
| vision Object Detection library                |                         |       |                                       |  |
| ii libopencv-ocl-dev:amd64                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                           |  |
| files for libopencv-ocl2.4v5                   |                         |       |                                       |  |
| ii libopencv-ocl2.4v5:amd64                    | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision OpenCL support library                  |                         |       |                                       |  |
| ii libopencv-photo-dev:amd64                   | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                           |  |
| files for libopencv-photo2.4v5                 |                         |       |                                       |  |
| ii libopencv-photo2.4v5:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision computational photography library       |                         |       |                                       |  |
| ii                                             |                         |       |                                       |  |
| libopencv-stitching-dev:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                           |  |
| files for libopencv-stitching2.4v5             |                         |       |                                       |  |
| ii libopencv-stitching2.4v5:amd64              | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision image stitching library                 |                         |       |                                       |  |
| ii libopencv-superres-dev:amd64                | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                                       |  |
| development files for libopencv-superres2.4v5  |                         |       |                                       |  |
| ii libopencv-superres2.4v5:amd64               | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision Super Resolution library                |                         |       |                                       |  |
| ii libopencv-ts-dev:amd64                      | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development                           |  |
| files for libopencv-ts2.4v5                    |                         |       |                                       |  |
| ii libopencv-ts2.4v5:amd64                     | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision ts library                              |                         |       |                                       |  |
| ii libopencv-video-dev:amd64                   |                         |       |                                       |  |
|                                                | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | development files for libopencv-video |  |
| ii libopencv-video2.4v5:amd64                  | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision Video analysis library                  |                         |       |                                       |  |
| ii libopencv-videostab-dev:amd64               | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 |                                       |  |
| development files for libopencv-videostab2.4v5 |                         |       |                                       |  |
| ii libopencv-videostab2.4v5:amd64              | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | computer                              |  |
| vision video stabilization library             |                         |       |                                       |  |
| ii libopencv2.4-java                           | 2.4.9.1+dfsg-1.5ubuntu1 | all   | Java bindings for the                 |  |
| computer vision library                        |                         |       |                                       |  |
| ii libopencv2.4-jni                            | 2.4.9.1+dfsg-1.5ubuntu1 | amd64 | Java jni library for                  |  |
| the computer vision library                    |                         |       |                                       |  |
| ii libopenxr-dev                               |                         |       |                                       |  |
|                                                | 2.2.0-10ubuntu2         | amd64 | development files for the OpenEXR     |  |
| image library                                  |                         |       |                                       |  |
| ii libopenxr22:amd64                           | 2.2.0-10ubuntu2         | amd64 | runtime files for                     |  |
| the OpenEXR image library                      |                         |       |                                       |  |
| ii libopenjpeg5:amd64                          | 1:1.5.2-3.1             | amd64 | JPEG 2000 image                       |  |
| compression/decompression library - runtime    |                         |       |                                       |  |
| ii libopus0:amd64                              | 1.1.2-1ubuntu1          | amd64 | Opus codec runtime                    |  |
| library                                        |                         |       |                                       |  |
| ii libopus0:i386                               | 1.1.2-1ubuntu1          | i386  | Opus codec runtime                    |  |
| library                                        |                         |       |                                       |  |
| ii liborc-0.4-0:amd64                          | 1:0.4.25-1              | amd64 | Library of Optimized                  |  |
| Inner Loops Runtime Compiler                   |                         |       |                                       |  |
| ii liborc-0.4-0:i386                           |                         |       |                                       |  |

|          |                                |                                 |                                          |                                                                          |
|----------|--------------------------------|---------------------------------|------------------------------------------|--------------------------------------------------------------------------|
|          | 1:0.4.25-1                     | i386                            | Library of Optimized Inner Loops Runtime |                                                                          |
| Compiler |                                |                                 |                                          |                                                                          |
| ii       | liborcus-0.10-0v5:amd64        | 0.9.2-4ubuntu2                  | amd64                                    | library for processing spreadsheet documents                             |
| ii       | libosmesa6:amd64               | 11.2.0-1ubuntu2.2               | amd64                                    | Mesa Off-screen rendering extension                                      |
| ii       | liboxideqt-qmlplugin:amd64     | 1.20.4-0ubuntu0.16.04.1         | amd64                                    | Web browser engine for Qt (QML plugin)                                   |
| ii       | liboxideqtcore0:amd64          | 1.20.4-0ubuntu0.16.04.1         | amd64                                    | Web browser engine for Qt (core library and components)                  |
| ii       | liboxideqtquick0:amd64         | 1.20.4-0ubuntu0.16.04.1         | amd64                                    | Web browser engine for Qt (QtQuick library)                              |
| ii       | libp11-kit-gnome-keyring:amd64 | 3.18.3-0ubuntu2                 | amd64                                    | GNOME keyring module for the PKCS#11 module loading library              |
| ii       | libp11-kit0:amd64              | 0.23.2-5~ubuntu16.04.1          | amd64                                    | library for loading and coordinating access to PKCS#11 modules - runtime |
| ii       | libp11-kit0:i386               | 0.23.2-5~ubuntu16.04.1          | i386                                     | library for loading and coordinating access to PKCS#11 modules - runtime |
| ii       | libpackagekit-glib2-16:amd64   | 0.8.17-4ubuntu6~gcc5.4ubuntu1.1 | amd64                                    | Library for accessing PackageKit using GLib                              |
| ii       | libpagemaker-0.0-0:amd64       | 0.0.3-1ubuntu1                  | amd64                                    | Library for importing and converting PageMaker Documents                 |
| ii       | libpam-gnome-keyring:amd64     | 3.18.3-0ubuntu2                 | amd64                                    | PAM module to unlock the GNOME keyring upon login                        |
| ii       | libpam-modules:amd64           | 1.1.8-3.2ubuntu2                | amd64                                    | Pluggable Authentication Modules for PAM                                 |
| ii       | libpam-modules-bin             | 1.1.8-3.2ubuntu2                | amd64                                    | Pluggable Authentication Modules for PAM - helper binaries               |
| ii       | libpam-runtime                 | 1.1.8-3.2ubuntu2                | all                                      | Runtime support for the PAM library                                      |
| ii       | libpam-systemd:amd64           | 229-4ubuntu16                   | amd64                                    | system and service manager - PAM module                                  |
| ii       | libpam0g:amd64                 | 1.1.8-3.2ubuntu2                | amd64                                    | Pluggable Authentication Modules library                                 |
| ii       | libpango-1.0-0:amd64           | 1.38.1-1                        | amd64                                    | Layout and rendering of internationalized text                           |
| ii       | libpango-1.0-0:i386            | 1.38.1-1                        | i386                                     | Layout and rendering of internationalized text                           |
| ii       | libpango1.0-0:amd64            | 1.38.1-1                        | amd64                                    | Layout and rendering of internationalized text (transitional package)    |
| ii       | libpango1.0-dev                | 1.38.1-1                        | amd64                                    | Development files for the Pango                                          |
| ii       | libpangocairo-1.0-0:amd64      | 1.38.1-1                        | amd64                                    | Layout and rendering of internationalized text                           |
| ii       | libpangocairo-1.0-0:i386       | 1.38.1-1                        | i386                                     | Layout and rendering of internationalized text                           |
| ii       | libpangoft2-1.0-0:amd64        |                                 |                                          |                                                                          |

|                                  |       |                                                |       |                                                                     |
|----------------------------------|-------|------------------------------------------------|-------|---------------------------------------------------------------------|
| 1.38.1-1                         | amd64 | Layout and rendering of internationalized text |       |                                                                     |
| ii libpangoft2-1.0-0:i386        |       | 1.38.1-1                                       | i386  | Layout and rendering of internationalized text                      |
| ii libpangomm-1.4-1v5:amd64      |       | 2.38.1-1                                       | amd64 | C++ Wrapper for pango (shared libraries)                            |
| ii libpangox-1.0-0:amd64         |       | 0.0.2-5                                        | amd64 | pango library X backend                                             |
| ii libpangoxft-1.0-0:amd64       |       | 1.38.1-1                                       | amd64 | Layout and rendering of internationalized text                      |
| ii libpaper-utils                |       | 1.1.24+nmu4ubuntu1                             | amd64 | library for handling paper characteristics (utilities)              |
| ii libpaper1:amd64               |       | 1.1.24+nmu4ubuntu1                             |       |                                                                     |
|                                  | amd64 | library for handling paper characteristics     |       |                                                                     |
| ii libparse-debianchangelog-perl |       | 1.2.0-8                                        | all   | parse Debian changelogs and output them in other formats            |
| ii libparted2:amd64              |       | 3.2-15                                         | amd64 | disk partition manipulator - shared library                         |
| ii libpathplan4                  |       | 2.38.0-12ubuntu2.1                             | amd64 | rich set of graph drawing tools - pathplan library                  |
| ii libpcap0.8:amd64              |       | 1.7.4-2                                        | amd64 | system interface for user-level packet capture                      |
| ii libpci3:amd64                 |       | 1:3.3.1-1.1ubuntu1                             | amd64 | Linux PCI Utilities (shared library)                                |
| ii libpciaccess0:amd64           |       | 0.13.4-1                                       | amd64 | Generic PCI access library for X                                    |
| ii libpciaccess0:i386            |       | 0.13.4-1                                       | i386  | Generic PCI access library for X                                    |
| ii libpcre16-3:amd64             |       | 2:8.38-3.1                                     | amd64 | Perl 5 Compatible Regular Expression Library - 16 bit runtime files |
| ii libpcre3:amd64                |       | 2:8.38-3.1                                     | amd64 | Perl 5 Compatible Regular Expression Library - runtime files        |
| ii libpcre3:i386                 |       | 2:8.38-3.1                                     | i386  | Perl 5 Compatible Regular Expression Library - runtime files        |
| ii libpcre3-dev:amd64            |       | 2:8.38-3.1                                     | amd64 | Perl 5 Compatible Regular Expression Library - development files    |
| ii libpcre32-3:amd64             |       | 2:8.38-3.1                                     | amd64 | Perl 5 Compatible Regular Expression Library - 32 bit runtime files |
| ii libpcrecpp0v5:amd64           |       | 2:8.38-3.1                                     | amd64 | Perl 5 Compatible Regular Expression Library - C++ runtime files    |
| ii libpcsc-lite1:amd64           |       | 1.8.14-1ubuntu1.16.04.1                        | amd64 | Middleware to access a smart card using PC/SC (library)             |
| ii libpeas-1.0-0:amd64           |       | 1.16.0-1ubuntu2                                | amd64 | Application plugin library                                          |
| ii libpeas-1.0-0-python3loader   |       | 1.16.0-1ubuntu2                                | amd64 | Application plugin library                                          |
| ii libpeas-common                |       | 1.16.0-1ubuntu2                                | all   | Application                                                         |

|                                         |                        |       |                                                |  |
|-----------------------------------------|------------------------|-------|------------------------------------------------|--|
| plugin library (common files)           |                        |       |                                                |  |
| ii libperl5.22:amd64                    | 5.22.1-9               | amd64 | shared Perl library                            |  |
| ii libperlio-gzip-perl                  | 0.19-1build1           | amd64 | module providing a                             |  |
| PerlIO layer to gzip/gunzip             |                        |       |                                                |  |
| ii libpipeline1:amd64                   | 1.4.1-2                | amd64 | pipeline manipulation                          |  |
| library                                 |                        |       |                                                |  |
| ii libpixman-1-0:amd64                  | 0.33.6-1               | amd64 | pixel-manipulation                             |  |
| library for X and cairo                 |                        |       |                                                |  |
| ii libpixman-1-0:i386                   | 0.33.6-1               | i386  | pixel-manipulation library                     |  |
| for X and cairo                         |                        |       |                                                |  |
| ii libpixman-1-dev                      | 0.33.6-1               | amd64 | pixel-manipulation                             |  |
| library for X and cairo (development    |                        |       |                                                |  |
| files)                                  |                        |       |                                                |  |
| ii libplexus-ant-factory-java           | 1.0~alpha2.1-3         | all   | Plexus Ant Factory                             |  |
| ii libplexus-archiver-java              | 2.2-1                  | all   | Archiver plugin for the                        |  |
| Plexus compiler system                  |                        |       |                                                |  |
| ii libplexus-bsh-factory-java           | 1.0~alpha7-3.1         | all   | Plexus Beanshell                               |  |
| Factory                                 |                        |       |                                                |  |
| ii libplexus-cipher-java                | 1.7-1                  | all   | Plexus Cipher Component                        |  |
| used by Maven                           |                        |       |                                                |  |
| ii libplexus-classworlds-java           | 1.5.0-5                | all   | Class loading utilities for                    |  |
| the Plexus framework                    |                        |       |                                                |  |
| ii libplexus-classworlds2-java          | 2.5.2-1                | all   | Class loading utilities for                    |  |
| the Plexus framework                    |                        |       |                                                |  |
| ii libplexus-cli-java                   |                        |       |                                                |  |
|                                         | 1.2-5                  | all   | Easily create CLIs with Plexus components      |  |
| ii libplexus-component-annotations-java | 1.6-2                  | all   | Plexus Component                               |  |
| Annotations                             |                        |       |                                                |  |
| ii libplexus-component-metadata-java    | 1.6-2                  | all   | Component Metadata                             |  |
| Maven plugin for Plexus                 |                        |       |                                                |  |
| ii libplexus-container-default-java     | 1.0-alpha-9-stable-1-7 | all   | utilities for the                              |  |
| Plexus framework                        |                        |       |                                                |  |
| ii libplexus-container-default1.5-java  | 1.6-2                  | all   | Plexus Inversion-of-                           |  |
| control Container                       |                        |       |                                                |  |
| ii libplexus-containers-java            | 1.0~beta3.0.7-8        | all   | utilities for the Plexus                       |  |
| framework                               |                        |       |                                                |  |
| ii libplexus-containers1.5-java         |                        |       |                                                |  |
|                                         | 1.6-2                  | all   | Plexus IoC Container core with companion tools |  |
| ii libplexus-interactivity-api-java     | 1.0-alpha-6-7          | all   | interactivity API for                          |  |
| the Plexus framework                    |                        |       |                                                |  |
| ii libplexus-interpolation-java         | 1.21-1                 | all   | Plexus Interpolation API                       |  |
| ii libplexus-io-java                    | 1.0~alpha5-2           | all   | Plexus IO Components                           |  |
| ii libplexus-sec-dispatcher-java        | 1.3.1-6                | all   | Plexus Security                                |  |
| Dispatcher Component used by Maven      |                        |       |                                                |  |
| ii libplexus-utils-java                 | 1:1.5.15-4             | all   | utilities for the Plexus                       |  |
| framework                               |                        |       |                                                |  |
| ii libplexus-utils2-java                | 3.0.22-1               |       |                                                |  |

|     |                                       |                           |       |                                                                           |
|-----|---------------------------------------|---------------------------|-------|---------------------------------------------------------------------------|
| all | utilities for the Plexus framework    |                           |       |                                                                           |
| ii  | libplist3:amd64                       | 1.12-3.1                  | amd64 | Library for handling Apple binary and XML property lists                  |
| ii  | libplymouth4:amd64                    | 0.9.2-3ubuntu13.1         | amd64 | graphical boot animation and logger - shared libraries                    |
| ii  | libpng12-0:amd64                      | 1.2.54-1ubuntu1           | amd64 | PNG library - runtime                                                     |
| ii  | libpng12-0:i386                       | 1.2.54-1ubuntu1           | i386  | PNG library - runtime                                                     |
| ii  | libpng12-dev:amd64                    | 1.2.54-1ubuntu1           | amd64 | PNG library - development                                                 |
| ii  | libpolkit-agent-1-0:amd64             | 0.105-14.1                | amd64 | PolicyKit Authentication Agent API                                        |
| ii  | libpolkit-backend-1-0:amd64           | 0.105-14.1                | amd64 | PolicyKit backend API                                                     |
| ii  | libpolkit-gobject-1-0:amd64           | 0.105-14.1                | amd64 | PolicyKit Authorization API                                               |
| ii  | libpoppler-glib8:amd64                | 0.41.0-0ubuntu1.1         | amd64 | PDF rendering library (GLib-based shared library)                         |
| ii  | libpoppler-qt5-1:amd64                | 0.41.0-0ubuntu1.1         | amd64 | PDF rendering library (Qt 5 based shared library)                         |
| ii  | libpoppler58:amd64                    | 0.41.0-0ubuntu1.1         | amd64 | PDF rendering library                                                     |
| ii  | libpopt0:amd64                        | 1.16-10                   | amd64 | lib for parsing cmdline parameters                                        |
| ii  | libportaudio2:amd64                   | 19+svn20140130-1build1    | amd64 | Portable audio I/O - shared library                                       |
| ii  | libpostproc-ffmpeg53:amd64            | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg library for post processing - runtime files                        |
| ii  | libpotrace0                           | 1.13-2                    | amd64 | library for tracing bitmaps                                               |
| ii  | libpq5:amd64                          | 9.6.1-2.pgdg16.04+1       | amd64 | PostgreSQL C client library                                               |
| ii  | libprocps4:amd64                      | 2:3.3.10-4ubuntu2.3       | amd64 | library for accessing process information from /proc                      |
| ii  | libprotobuf-lite9v5:amd64             | 2.6.1-1.3                 | amd64 | protocol buffers C++ library (lite version)                               |
| ii  | libprotobuf9v5:amd64                  | 2.6.1-1.3                 | amd64 | protocol buffers C++ library                                              |
| ii  | libproxy1-plugin-gsettings:amd64      | 0.4.11-5ubuntu1           | amd64 | automatic proxy configuration management library (GSettings plugin)       |
| ii  | libproxy1-plugin-gsettings:i386       | 0.4.11-5ubuntu1           | i386  | automatic proxy configuration management library (GSettings plugin)       |
| ii  | libproxy1-plugin-networkmanager:amd64 | 0.4.11-5ubuntu1           | amd64 | automatic proxy configuration management library (Network Manager plugin) |
| ii  | libproxy1-plugin-webkit:i386          | 0.4.11-5ubuntu1           | i386  | automatic proxy configuration management library (WebKit plugin)          |
| ii  | libproxy1v5:amd64                     | 0.4.11-5ubuntu1           | amd64 | automatic proxy configuration                                             |

|                                                                                |                         |       |                             |
|--------------------------------------------------------------------------------|-------------------------|-------|-----------------------------|
| management library (shared)                                                    |                         |       |                             |
| ii libproxy1v5:i386                                                            | 0.4.11-5ubuntu1         | i386  | automatic proxy             |
| configuration management library (shared)                                      |                         |       |                             |
| ii libptexenc1:amd64                                                           | 2015.20160222.37495-1   | amd64 | TeX Live:                   |
| pTeX encoding library                                                          |                         |       |                             |
| ii libpthread-stubs0-dev:amd64                                                 | 0.3-4                   | amd64 | pthread stubs not           |
| provided by native libc, development files                                     |                         |       |                             |
| ii libpulse-mainloop-glib0:amd64                                               | 1:8.0-0ubuntu3.2        | amd64 | PulseAudio                  |
| client libraries (glib support)                                                |                         |       |                             |
| ii libpulse0:amd64                                                             | 1:8.0-0ubuntu3.2        | amd64 | PulseAudio client           |
| libraries                                                                      |                         |       |                             |
| ii libpulse0:i386                                                              | 1:8.0-0ubuntu3.2        | i386  | PulseAudio                  |
| client libraries                                                               |                         |       |                             |
| ii libpulsedsp:amd64                                                           | 1:8.0-0ubuntu3.2        | amd64 | PulseAudio OSS              |
| pre-load library                                                               |                         |       |                             |
| ii libpwquality-common                                                         | 1.3.0-0ubuntu1          | all   | library for password        |
| quality checking and generation (data files)                                   |                         |       |                             |
| ii libpwquality1:amd64                                                         | 1.3.0-0ubuntu1          | amd64 | library for                 |
| password quality checking and generation                                       |                         |       |                             |
| ii libpython-all-dev:amd64                                                     | 2.7.11-1                | amd64 | package depending on        |
| all supported Python development packages                                      |                         |       |                             |
| ii libpython-dev:amd64                                                         | 2.7.11-1                | amd64 | header files and a          |
| static library for Python (default)                                            |                         |       |                             |
| ii libpython-stdlib:amd64                                                      | 2.7.11-1                |       |                             |
| amd64 interactive high-level object-oriented language (default python version) |                         |       |                             |
| ii libpython2.7:amd64                                                          | 2.7.12-1ubuntu0~16.04.1 | amd64 | Shared Python               |
| runtime library (version 2.7)                                                  |                         |       |                             |
| ii libpython2.7-dev:amd64                                                      | 2.7.12-1ubuntu0~16.04.1 | amd64 | Header files                |
| and a static library for Python (v2.7)                                         |                         |       |                             |
| ii libpython2.7-minimal:amd64                                                  | 2.7.12-1ubuntu0~16.04.1 | amd64 | Minimal                     |
| subset of the Python language (version 2.7)                                    |                         |       |                             |
| ii libpython2.7-stdlib:amd64                                                   | 2.7.12-1ubuntu0~16.04.1 | amd64 | Interactive                 |
| high-level object-oriented language (standard library, version 2.7)            |                         |       |                             |
| ii libpython3-stdlib:amd64                                                     | 3.5.1-3                 | amd64 | interactive high-level      |
| object-oriented language (default                                              |                         |       |                             |
| python3 version)                                                               |                         |       |                             |
| ii libpython3.5:amd64                                                          | 3.5.2-2ubuntu0~16.04.1  | amd64 | Shared Python               |
| runtime library (version 3.5)                                                  |                         |       |                             |
| ii libpython3.5-minimal:amd64                                                  | 3.5.2-2ubuntu0~16.04.1  | amd64 | Minimal                     |
| subset of the Python language (version 3.5)                                    |                         |       |                             |
| ii libpython3.5-stdlib:amd64                                                   | 3.5.2-2ubuntu0~16.04.1  | amd64 | Interactive                 |
| high-level object-oriented language (standard library, version 3.5)            |                         |       |                             |
| ii libqdox2-java                                                               | 2.0~M3-2                | all   | quickly parses declarations |
| and Javadoc from Java source                                                   |                         |       |                             |
| ii libqmi-glib1:amd64                                                          | 1.12.6-1                | amd64 | Support library to use      |
| the Qualcomm MSM Interface (QMI) protocol                                      |                         |       |                             |
| ii libqmi-proxy                                                                |                         |       |                             |



|                             |       |                                     |       |                                                            |
|-----------------------------|-------|-------------------------------------|-------|------------------------------------------------------------|
| 1.12.6-1                    | amd64 | Proxy to communicate with QMI ports |       |                                                            |
| ii libqpdf17:amd64          |       | 6.0.0-2                             | amd64 | runtime library for PDF transformation/inspection software |
| ii libqqwing2v5:amd64       |       | 1.3.4-1                             | amd64 | tool for generating and solving Sudoku puzzles (library)   |
| ii libqt4-dbus:amd64        |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 D-Bus module                                          |
| ii libqt4-dbus:i386         |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 D-Bus module                                          |
| ii libqt4-declarative:amd64 |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 Declarative module                                    |
| ii libqt4-declarative:i386  |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 Declarative module                                    |
| ii libqt4-network:amd64     |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 network module                                        |
| ii libqt4-network:i386      |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 network module                                        |
| ii libqt4-opengl:i386       |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 OpenGL module                                         |
| ii libqt4-script:amd64      |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 script module                                         |
| ii libqt4-script:i386       |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 script module                                         |
| ii libqt4-sql:amd64         |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 SQL module                                            |
| ii libqt4-sql:i386          |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 SQL module                                            |
| ii libqt4-sql-mysql:i386    |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 MySQL database driver                                 |
| ii libqt4-sql-sqlite:amd64  |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 SQLite 3 database driver                              |
| ii libqt4-xml:amd64         |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 XML module                                            |
| ii libqt4-xml:i386          |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 XML module                                            |
| ii libqt4-xmlpatterns:amd64 |       | 4:4.8.7+dfsg-5ubuntu2               | amd64 | Qt 4 XML patterns module                                   |
| ii libqt4-xmlpatterns:i386  |       | 4:4.8.7+dfsg-5ubuntu2               | i386  | Qt 4 XML patterns module                                   |
| ii libqt5core5a:amd64       | amd64 | 5.5.1+dfsg-16ubuntu7.2              |       | Qt 5 core module                                           |
| ii libqt5dbus5:amd64        |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 D-Bus module                                          |
| ii libqt5feedback5:amd64    |       | 5.0~git20130529-0ubuntu13           | amd64 | Qt Feedback module                                         |
| ii libqt5gui5:amd64         |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 GUI module                                            |
| ii libqt5multimedia5:amd64  |       | 5.5.1-4ubuntu2                      | amd64 | Qt 5 Multimedia module                                     |
| ii libqt5network5:amd64     |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 network module                                        |
| ii libqt5opengl5:amd64      |       | 5.5.1+dfsg-16ubuntu7.2              | amd64 | Qt 5 OpenGL module                                         |

|                                                                                           |                                    |       |                              |
|-------------------------------------------------------------------------------------------|------------------------------------|-------|------------------------------|
| ii libqt5organizer5:amd64<br>amd64 Qt PIM module, Organizer library                       | 5.0~git20140515~29475884-0ubuntu20 |       |                              |
| ii libqt5positioning5:amd64<br>module                                                     | 5.5.1-3ubuntu1                     | amd64 | Qt Positioning               |
| ii libqt5printsupport5:amd64<br>support module                                            | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 print                   |
| ii libqt5qml5:amd64                                                                       | 5.5.1-2ubuntu6                     | amd64 | Qt 5 QML module              |
| ii libqt5quick5:amd64                                                                     | 5.5.1-2ubuntu6                     | amd64 | Qt 5 Quick library           |
| ii libqt5quicktest5:amd64<br>library                                                      | 5.5.1-2ubuntu6                     | amd64 | Qt 5 Quick Test              |
| ii libqt5script5:amd64                                                                    | 5.5.1+dfsg-2build1                 | amd64 | Qt 5 script module           |
| ii libqt5sql5:amd64<br>amd64 Qt 5 SQL module                                              | 5.5.1+dfsg-16ubuntu7.2             |       |                              |
| ii libqt5sql5-sqlite:amd64<br>database driver                                             | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 SQLite 3                |
| ii libqt5svg5:amd64                                                                       | 5.5.1-2build1                      | amd64 | Qt 5 SVG module              |
| ii libqt5test5:amd64                                                                      | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 test module             |
| ii libqt5webkit5:amd64<br>engine library for Qt                                           | 5.5.1+dfsg-2ubuntu1                | amd64 | Web content                  |
| ii libqt5widgets5:amd64<br>module                                                         | 5.5.1+dfsg-16ubuntu7.2             | amd64 | Qt 5 widgets                 |
| ii libqt5x11extras5:amd64                                                                 | 5.5.1-3build1                      | amd64 | Qt 5 X11 extras              |
| ii libqt5xml5:amd64<br>amd64 Qt 5 XML module                                              | 5.5.1+dfsg-16ubuntu7.2             |       |                              |
| ii libqtcore4:amd64                                                                       | 4:4.8.7+dfsg-5ubuntu2              | amd64 | Qt 4 core module             |
| ii libqtcore4:i386                                                                        | 4:4.8.7+dfsg-5ubuntu2              | i386  | Qt 4 core module             |
| ii libqtdbus4:amd64<br>module library                                                     | 4:4.8.7+dfsg-5ubuntu2              | amd64 | Qt 4 D-Bus                   |
| ii libqtdbus4:i386<br>library                                                             | 4:4.8.7+dfsg-5ubuntu2              | i386  | Qt 4 D-Bus module            |
| ii libqtgui4:amd64                                                                        | 4:4.8.7+dfsg-5ubuntu2              | amd64 | Qt 4 GUI module              |
| ii libqtgui4:i386                                                                         | 4:4.8.7+dfsg-5ubuntu2              | i386  | Qt 4 GUI module              |
| ii libqtwebkit4:i386<br>i386 Web content engine library for Qt                            | 2.3.2-0ubuntu11                    |       |                              |
| ii libquadmath0:amd64<br>Precision Math Library                                           | 5.4.0-6ubuntu1~16.04.4             | amd64 | GCC Quad-                    |
| ii libquvi-scripts<br>download links (Lua scripts)                                        | 0.4.21-2                           | all   | library for parsing video    |
| ii libquvi7:amd64<br>download links (runtime libraries)                                   | 0.4.1-3                            | amd64 | library for parsing video    |
| ii libraptor2-0:amd64<br>library                                                          | 2.0.14-1                           | amd64 | Raptor 2 RDF syntax          |
| ii librasqal3:amd64<br>library                                                            | 0.9.32-1                           | amd64 | Rasqal RDF query             |
| ii libraw1394-11:amd64<br>amd64 library for direct access to IEEE 1394 bus (aka FireWire) | 2.1.1-2                            |       |                              |
| ii libraw1394-11:i386<br>IEEE 1394 bus (aka FireWire)                                     | 2.1.1-2                            | i386  | library for direct access to |

|                                          |                  |       |                                                                    |
|------------------------------------------|------------------|-------|--------------------------------------------------------------------|
| ii libraw1394-dev:amd64                  | 2.1.1-2          | amd64 | library for direct access to IEEE 1394 bus - development files     |
| ii libraw1394-tools                      | 2.1.1-2          | amd64 | library for direct access to IEEE 1394 bus (aka FireWire)          |
| ii libraw15:amd64                        | 0.17.1-1         | amd64 | raw image decoder library                                          |
| ii librdf0:amd64                         | 1.0.17-1build1   | amd64 | Redland Resource Description Framework (RDF) library               |
| ii libreadline6:amd64                    | 6.3-8ubuntu2     | amd64 | GNU readline and history libraries, run-time libraries             |
| ii librecode0:amd64                      | 3.6-22           | amd64 | Shared library on which recode is based                            |
| ii libregexp-common-perl                 | 2016020301-1     | all   | module with common regular expressions                             |
| ii libreoffice-avmedia-backend-gstreamer | 1:5.1.4-0ubuntu1 | amd64 | GStreamer backend for LibreOffice                                  |
| ii libreoffice-base-core                 | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- shared library                        |
| ii libreoffice-calc                      | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- spreadsheet                           |
| ii libreoffice-common                    | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- arch-independent files                |
| ii libreoffice-core                      | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- arch-dependent files                  |
| ii libreoffice-draw                      | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- drawing                               |
| ii libreoffice-gnome                     | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- GNOME integration                     |
| ii libreoffice-gtk                       | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- GTK+ integration                      |
| ii libreoffice-help-en-gb                | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- English_british help                  |
| ii libreoffice-help-en-us                | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- English_american help                 |
| ii libreoffice-help-it                   | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- Italian help                          |
| ii libreoffice-impress                   | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- presentation                          |
| ii libreoffice-l10n-en-gb                | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- English_british language package      |
| ii libreoffice-l10n-en-za                | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- English_southafrican language package |
| ii libreoffice-l10n-it                   | 1:5.1.4-0ubuntu1 | all   | office productivity suite -- Italian language package              |
| ii libreoffice-math                      | 1:5.1.4-0ubuntu1 | amd64 | office productivity suite -- equation editor                       |
| ii libreoffice-ogltrans                  | 1:5.1.4-0ubuntu1 | amd64 | LibreOffice Impress                                                |

|                                                                              |                                 |       |                                 |
|------------------------------------------------------------------------------|---------------------------------|-------|---------------------------------|
| extension for slide transitions using OpenGL                                 |                                 |       |                                 |
| ii libreoffice-pdfimport<br>component for LibreOffice                        | 1:5.1.4-0ubuntu1                | amd64 | PDF Import                      |
| ii libreoffice-style-breeze<br>suite -- Breeze symbol style                  | 1:5.1.4-0ubuntu1                | all   | office productivity             |
| ii libreoffice-style-galaxy<br>suite -- Galaxy (Default) symbol style        | 1:5.1.4-0ubuntu1                | all   | office productivity             |
| ii libreoffice-writer<br>office productivity suite -- word processor         | 1:5.1.4-0ubuntu1                | amd64 |                                 |
| ii librest-0.7-0:amd64<br>library                                            | 0.7.93-1                        | amd64 | REST service access             |
| ii librevenge-0.0-0:amd64<br>writing document interface filters              | 0.0.4-4ubuntu1                  | amd64 | Base Library for                |
| ii librhino-java<br>Engine                                                   | 1.7R4-3                         | all   | Libraries for rhino Java Script |
| ii librhythmbox-core9:amd64<br>for the rhythmbox music player                | 3.3-1ubuntu7                    | amd64 | support library                 |
| ii libroken18-heimdal:amd64<br>Kerberos - roken support library              | 1.7~git20150920+dfsg-4ubuntu1   | amd64 | Heimdal                         |
| ii libsvg2-2:amd64<br>renderer library for SVG files (runtime)               | 2.40.13-3                       | amd64 | SAX-based                       |
| ii libsvg2-common:amd64<br>renderer library for SVG files (extra runtime)    | 2.40.13-3                       | amd64 | SAX-based                       |
| ii libsync1:amd64<br>algorithm library                                       | 0.9.7-10                        | amd64 | rsync remote-delta              |
| ii librtmp1:amd64<br>RTMP streams (shared library)                           | 2.4+20151223.gitfa8646d-1build1 | amd64 | toolkit for                     |
| ii libruby2.3:amd64<br>run Ruby 2.3                                          | 2.3.1-2~16.04                   | amd64 | Libraries necessary to          |
| ii libsamplerate0:amd64<br>conversion library                                | 0.1.8-8                         | amd64 | Audio sample rate               |
| ii libsamplerate0:i386<br>rate conversion library                            | 0.1.8-8                         | i386  | Audio sample                    |
| ii libsane:amd64<br>scanners                                                 | 1.0.26-git20160712-xenial0      | amd64 | API library for                 |
| ii libsane-common<br>scanners -- documentation and support files             | 1.0.26-git20160712-xenial0      | amd64 | API library for                 |
| ii libsane-hpaio:amd64<br>for multi-function peripherals                     | 3.16.3+repack0-1                | amd64 | HP SANE backend                 |
| ii libsasl2-2:amd64<br>authentication abstraction library                    | 2.1.26.dfsg1-14build1           | amd64 | Cyrus SASL -                    |
| ii libsasl2-modules:amd64<br>pluggable authentication modules                | 2.1.26.dfsg1-14build1           | amd64 | Cyrus SASL -                    |
| ii libsasl2-modules-db:amd64<br>SASL - pluggable authentication modules (DB) | 2.1.26.dfsg1-14build1           | amd64 | Cyrus                           |
| ii libsbcl1:amd64<br>- runtime                                               | 1.3-1                           | amd64 | Sub Band CODEC library          |
| ii libschroedinger-1.0-0:amd64<br>library for                                | 1.0.11-2.1build1                | amd64 | library for                     |

|                                          |                                |       |       |                                                           |
|------------------------------------------|--------------------------------|-------|-------|-----------------------------------------------------------|
| encoding/decoding of Dirac video streams |                                |       |       |                                                           |
| ii libsd11.2debian:amd64                 | 1.2.15+dfsg1-3                 |       | amd64 | Simple                                                    |
| DirectMedia Layer                        |                                |       |       |                                                           |
| ii libseccomp2:amd64                     | 2.2.3-3ubuntu3                 |       | amd64 | high level interface                                      |
| to Linux seccomp filter                  |                                |       |       |                                                           |
| ii libsecret-1-0:amd64                   | 0.18.4-1ubuntu2                |       | amd64 | Secret store                                              |
| ii libsecret-1-0:i386                    | 0.18.4-1ubuntu2                |       | i386  | Secret store                                              |
| ii libsecret-common                      |                                |       |       |                                                           |
|                                          | 0.18.4-1ubuntu2                | all   |       | Secret store (common files)                               |
| ii libselinux1:amd64                     | 2.4-3build2                    |       | amd64 | SELinux runtime                                           |
| shared libraries                         |                                |       |       |                                                           |
| ii libselinux1:i386                      | 2.4-3build2                    |       | i386  | SELinux runtime shared                                    |
| libraries                                |                                |       |       |                                                           |
| ii libsemanage-common                    | 2.3-1build3                    |       | all   | Common files for                                          |
| SELinux policy management libraries      |                                |       |       |                                                           |
| ii libsemanage1:amd64                    | 2.3-1build3                    |       | amd64 | SELinux policy                                            |
| management library                       |                                |       |       |                                                           |
| ii libsensors4:amd64                     | 1:3.4.0-2                      |       | amd64 | library to read                                           |
| temperature/voltage/fan sensors          |                                |       |       |                                                           |
| ii libsepol1:amd64                       | 2.4-2                          |       |       |                                                           |
|                                          |                                | amd64 |       | SELinux library for manipulating binary security policies |
| ii libservlet2.5-java                    | 6.0.45+dfsg-1                  |       | all   | Servlet 2.5 and JSP 2.1                                   |
| Java API classes                         |                                |       |       |                                                           |
| ii libservlet3.1-java                    | 8.0.32-1ubuntu1.3              |       | all   | Servlet 3.1, JSP 2.3, EL                                  |
| 3.0 and WebSocket 1.0 Java API classes   |                                |       |       |                                                           |
| ii libsgutils2-2                         | 1.40-0ubuntu1                  |       | amd64 | utilities for devices using                               |
| the SCSI command set (shared libraries)  |                                |       |       |                                                           |
| ii libshine3:amd64                       | 3.1.0-4                        |       | amd64 | Fixed-point MP3                                           |
| encoding library - runtime files         |                                |       |       |                                                           |
| ii libshout3:amd64                       | 2.3.1-3                        |       | amd64 | MP3/Ogg Vorbis                                            |
| broadcast streaming library              |                                |       |       |                                                           |
| ii libshout3:i386                        |                                |       |       |                                                           |
|                                          | 2.3.1-3                        | i386  |       | MP3/Ogg Vorbis broadcast streaming library                |
| ii libsidplay1v5                         | 1.36.59-8                      |       | amd64 | SID (MOS 6581)                                            |
| emulation library                        |                                |       |       |                                                           |
| ii libsigc++-2.0-0v5:amd64               | 2.6.2-1                        |       | amd64 | type-safe Signal                                          |
| Framework for C++ - runtime              |                                |       |       |                                                           |
| ii libsignon-extension1:amd64            | 8.58+16.04.20151106-0ubuntu1   |       | amd64 | Single                                                    |
| Sign On framework                        |                                |       |       |                                                           |
| ii libsignon-glib1:amd64                 | 1.13+16.04.20151209.1-0ubuntu1 |       | amd64 | library for                                               |
| signond                                  |                                |       |       |                                                           |
| ii libsignon-plugins-common1:amd64       | 8.58+16.04.20151106-0ubuntu1   |       | amd64 |                                                           |
| Single Sign On framework                 |                                |       |       |                                                           |
| ii libsignon-qt5-1:amd64                 | 8.58+16.04.20151106-0ubuntu1   |       |       |                                                           |
|                                          |                                | amd64 |       | Single Sign On framework                                  |
| ii libsigsegv2:amd64                     | 2.10-4                         |       | amd64 | Library for handling                                      |
| page faults in a portable way            |                                |       |       |                                                           |
| ii libsisu-inject-java                   | 0.3.2-1                        |       | all   | Dependency Injection                                      |

|                                                     |                                |     |       |                                |
|-----------------------------------------------------|--------------------------------|-----|-------|--------------------------------|
| container for Java                                  |                                |     |       |                                |
| ii libsisu-plexus-java                              | 0.3.2-1                        | all |       | Plexus adapter for the Sisu    |
| dependency injection container                      |                                |     |       |                                |
| ii libslang2:amd64                                  | 2.3.0-2ubuntu1                 |     | amd64 | S-Lang programming             |
| library - runtime version                           |                                |     |       |                                |
| ii libslang2:i386                                   | 2.3.0-2ubuntu1                 |     | i386  | S-Lang programming             |
| library - runtime version                           |                                |     |       |                                |
| ii libslf4j-java                                    | 1.7.14-3                       |     |       |                                |
|                                                     | all                            |     |       | Simple Logging Facade for Java |
| ii libsm-dev:amd64                                  | 2:1.2.2-1                      |     | amd64 | X11 Session                    |
| Management library (development headers)            |                                |     |       |                                |
| ii libsm6:amd64                                     | 2:1.2.2-1                      |     | amd64 | X11 Session                    |
| Management library                                  |                                |     |       |                                |
| ii libsm6:i386                                      | 2:1.2.2-1                      |     | i386  | X11 Session Management         |
| library                                             |                                |     |       |                                |
| ii libsmartcols1:amd64                              | 2.27.1-6ubuntu3.2              |     | amd64 | smart column                   |
| output alignment library                            |                                |     |       |                                |
| ii libsmblclient:amd64                              | 2:4.3.11+dfsg-0ubuntu0.16.04.3 |     | amd64 | shared library                 |
| for communication with SMB/CIFS servers             |                                |     |       |                                |
| ii libsnapd-glib1:amd64                             | 1.2-0ubuntu1.1~xenial          |     |       |                                |
| amd64 GLib snapd library                            |                                |     |       |                                |
| ii libsnappy1v5:amd64                               | 1.1.3-2                        |     | amd64 | fast                           |
| compression/decompression library                   |                                |     |       |                                |
| ii libsndfile1:amd64                                | 1.0.25-10                      |     | amd64 | Library for                    |
| reading/writing audio files                         |                                |     |       |                                |
| ii libsndfile1:i386                                 | 1.0.25-10                      |     | i386  | Library for reading/writing    |
| audio files                                         |                                |     |       |                                |
| ii libsnmp-base                                     | 5.7.3+dfsg-1ubuntu4            |     | all   | SNMP configuration             |
| script, MIBs and documentation                      |                                |     |       |                                |
| ii libsnmp30:amd64                                  | 5.7.3+dfsg-1ubuntu4            |     | amd64 | SNMP (Simple                   |
| Network Management Protocol) library                |                                |     |       |                                |
| ii libsocket6-perl                                  | 0.25-1build2                   |     | amd64 |                                |
| Perl extensions for IPv6                            |                                |     |       |                                |
| ii libsodium18:amd64                                | 1.0.8-5                        |     | amd64 | Network                        |
| communication, cryptography and signaturing library |                                |     |       |                                |
| ii libsonic0:amd64                                  | 0.2.0-3                        |     | amd64 | Simple library to speed        |
| up or slow down speech                              |                                |     |       |                                |
| ii libsoundtouch1:amd64                             | 1.9.2-2                        |     | amd64 | Sound stretching               |
| library                                             |                                |     |       |                                |
| ii libsoup-gnome2.4-1:amd64                         | 2.52.2-1ubuntu0.1              |     | amd64 | HTTP library                   |
| implementation in C -- GNOME support library        |                                |     |       |                                |
| ii libsoup2.4-1:amd64                               | 2.52.2-1ubuntu0.1              |     | amd64 | HTTP library                   |
| implementation in C -- Shared library               |                                |     |       |                                |
| ii libsoup2.4-1:i386                                | 2.52.2-1ubuntu0.1              |     | i386  |                                |
| HTTP library implementation in C -- Shared library  |                                |     |       |                                |
| ii libsoxr0:amd64                                   | 0.1.2-1                        |     | amd64 | High quality 1D sample-        |
| rate conversion library                             |                                |     |       |                                |
| ii libspandsp2:amd64                                | 0.0.6-2.1                      |     | amd64 | Telephony signal               |

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| processing library                 |                                |  |       |                                                                           |
| ii libspectre1:amd64               | 0.2.7-3ubuntu2                 |  | amd64 | Library for rendering PostScript documents                                |
| ii libspeechd2:amd64               | 0.8.3-1ubuntu3                 |  | amd64 | Speech Dispatcher: Shared libraries                                       |
| ii libspeex1:amd64                 | 1.2~rc1.2-1ubuntu1             |  | amd64 | The Speex codec runtime library                                           |
| ii libspeex1:i386                  | 1.2~rc1.2-1ubuntu1             |  | i386  | The Speex codec runtime library                                           |
| ii libspeexdsp1:amd64              | 1.2~rc1.2-1ubuntu1             |  | amd64 | The Speex extended runtime library                                        |
| ii libspeexdsp1:i386               | 1.2~rc1.2-1ubuntu1             |  | i386  | The Speex extended runtime library                                        |
| ii libsqlite3-0:amd64              | 3.11.0-1ubuntu1                |  | amd64 | SQLite 3 shared library                                                   |
| ii libsqlite3-0:i386               | 3.11.0-1ubuntu1                |  | i386  | SQLite 3 shared library                                                   |
| ii libsrtp0                        | 1.4.5~20130609~dfsg-1.1ubuntu1 |  | amd64 | Secure RTP (SRTP) and UST Reference Implementations - shared library      |
| ii libss2:amd64                    | 1.42.13-1ubuntu1               |  | amd64 | command-line interface parsing library                                    |
| ii libssh-4:amd64                  | 0.6.3-4.3                      |  | amd64 | tiny C SSH library (OpenSSL flavor)                                       |
| ii libssh-gcrypt-4:amd64           | 0.6.3-4.3                      |  | amd64 | tiny C SSH library (gcrypt flavor)                                        |
| ii libssl-dev:amd64                | 1.0.2g-1ubuntu4.6              |  | amd64 | Secure Sockets Layer toolkit - development files                          |
| ii libssl-doc                      | 1.0.2g-1ubuntu4.6              |  | all   | Secure Sockets Layer toolkit - development documentation                  |
| ii libssl1.0.0:amd64               | 1.0.2g-1ubuntu4.6              |  | amd64 | Secure Sockets Layer toolkit - shared libraries                           |
| ii libssl1.0.0:i386                | 1.0.2g-1ubuntu4.6              |  | i386  | Secure Sockets Layer toolkit - shared libraries                           |
| ii libstartup-notification0:amd64  | 0.12-4build1                   |  | amd64 | library for program launch feedback (shared library)                      |
| ii libstdc++-4.9-dev:amd64         | 4.9.3-13ubuntu2                |  | amd64 | GNU Standard C++ Library v3 (development files)                           |
| ii libstdc++-5-dev:amd64           | 5.4.0-6ubuntu1~16.04.4         |  | amd64 | GNU Standard C++ Library v3 (development files)                           |
| ii libstdc++6:amd64                | 5.4.0-6ubuntu1~16.04.4         |  | amd64 | GNU Standard C++ Library v3                                               |
| ii libstdc++6:i386                 | 5.4.0-6ubuntu1~16.04.4         |  | i386  | GNU Standard C++ Library v3                                               |
| ii libsub-name-perl                | 0.14-1build1                   |  | amd64 | module for assigning a new name to referenced sub                         |
| ii libsuitesparseconfig4.4.6:amd64 | 1:4.4.6-1                      |  | amd64 | configuration routines for all SuiteSparse modules                        |
| ii libswresample-dev:amd64         | 7:2.8.10-0ubuntu0.16.04.1      |  | amd64 | FFmpeg library for audio resampling, rematrixing etc. - development files |

|                                                                       |                           |       |                                                |
|-----------------------------------------------------------------------|---------------------------|-------|------------------------------------------------|
| ii libswresample-ffmpeg1:amd64                                        | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg                                         |
| library for audio resampling, rematrixing etc. - runtime files        |                           |       |                                                |
| ii libswscale-dev:amd64                                               | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg                                         |
| library for image scaling and various conversions - development files |                           |       |                                                |
| ii libswscale-ffmpeg3:amd64                                           | 7:2.8.10-0ubuntu0.16.04.1 | amd64 | FFmpeg                                         |
| library for image scaling and various conversions - runtime files     |                           |       |                                                |
| ii libsyntax1:amd64                                                   | 2015.20160222.37495-1     | amd64 | TeX Live: SyncTeX parser library               |
| ii libsys-hostname-long-perl                                          | 1.5-1                     | all   | Figure out the long (fully-qualified) hostname |
| ii libsystemd0:amd64                                                  | 229-4ubuntu16             | amd64 | systemd utility                                |
| library                                                               |                           |       |                                                |
| ii libsystemd0:i386                                                   | 229-4ubuntu16             | i386  | systemd utility library                        |
| ii libtablelayout-java                                                | 20090826-2                | all   | Java layout manager for                        |
| creating user interfaces fast and easy                                |                           |       |                                                |
| ii libtag1v5:amd64                                                    | 1.9.1-2.4ubuntu1          | amd64 | audio meta-data                                |
| library                                                               |                           |       |                                                |
| ii libtag1v5:i386                                                     | 1.9.1-2.4ubuntu1          | i386  | audio meta-data library                        |
| i386 audio meta-data library                                          |                           |       |                                                |
| ii libtag1v5-vanilla:amd64                                            | 1.9.1-2.4ubuntu1          | amd64 | audio meta-data                                |
| library - vanilla flavour                                             |                           |       |                                                |
| ii libtag1v5-vanilla:i386                                             | 1.9.1-2.4ubuntu1          | i386  | audio meta-data                                |
| library - vanilla flavour                                             |                           |       |                                                |
| ii libtalloc2:amd64                                                   | 2.1.5-2                   | amd64 | hierarchical pool based                        |
| memory allocator                                                      |                           |       |                                                |
| ii libtasn1-6:amd64                                                   | 4.7-3ubuntu0.16.04.1      | amd64 | Manage ASN.1                                   |
| structures (runtime)                                                  |                           |       |                                                |
| ii libtasn1-6:i386                                                    | 4.7-3ubuntu0.16.04.1      | i386  | Manage ASN.1                                   |
| structures (runtime)                                                  |                           |       |                                                |
| ii libtbb2:amd64                                                      | 4.4~20151115-0ubuntu3     | amd64 | parallelism                                    |
| library for                                                           |                           |       |                                                |
| C++ - runtime files                                                   |                           |       |                                                |
| ii libtcl8.6:amd64                                                    | 8.6.5+dfsg-2              | amd64 | Tcl (the Tool Command                          |
| Language) v8.6 - run-time library files                               |                           |       |                                                |
| ii libtdb1:amd64                                                      | 1.3.8-2                   | amd64 | Trivial Database - shared                      |
| library                                                               |                           |       |                                                |
| ii libtelepathy-glib0:amd64                                           | 0.24.1-1.1                | amd64 | Telepathy framework                            |
| - GLib library                                                        |                           |       |                                                |
| ii libevent0:amd64                                                    | 0.9.28-0ubuntu0.16.04.1   | amd64 | talloc-based event                             |
| loop library - shared library                                         |                           |       |                                                |
| ii libtexlua52:amd64                                                  | 2015.20160222.37495-1     | amd64 | TeX Live: Lua                                  |
| 5.2, modified for use with LuaTeX                                     |                           |       |                                                |
| ii libtexluajit2:amd64                                                | 2015.20160222.37495-1     | amd64 | TeX Live:                                      |
| LuaJIT,                                                               |                           |       |                                                |
| modified for use with LuaJITTeX                                       |                           |       |                                                |
| ii libtext-charwidth-perl                                             | 0.04-7build5              | amd64 | get display widths of                          |
| characters on the terminal                                            |                           |       |                                                |
| ii libtext-iconv-perl                                                 | 1.7-5build4               | amd64 | converts between                               |



|                                                                                 |                       |       |       |                                       |
|---------------------------------------------------------------------------------|-----------------------|-------|-------|---------------------------------------|
| character sets in Perl                                                          |                       |       |       |                                       |
| ii libtext-levenshtein-perl<br>Levenshtein edit distance                        | 0.13-1                |       | all   | implementation of the                 |
| ii libtext-wrapi18n-perl<br>of Text::Wrap                                       | 0.06-7.1              |       | all   | internationalized substitute          |
| ii libthai-data<br>support library                                              | 0.1.24-2              |       | all   | Data files for Thai language          |
| ii libthai0:amd64<br>Thai language support library                              | 0.1.24-2              |       | amd64 |                                       |
| ii libthai0:i386                                                                | 0.1.24-2              |       | i386  | Thai language support library         |
| ii libtheora0:amd64<br>Compression Codec                                        | 1.1.1+dfsg.1-8        |       | amd64 | Theora Video                          |
| ii libtheora0:i386<br>Compression Codec                                         | 1.1.1+dfsg.1-8        |       | i386  | Theora Video                          |
| ii libtie-ixhash-perl<br>associative arrays                                     | 1.23-2                |       | all   | Perl module to order                  |
| ii libtiff5:amd64<br>(TIFF) library                                             | 4.0.6-1               |       | amd64 | Tag Image File Format                 |
| ii libtiff5:i386<br>library                                                     | 4.0.6-1               |       | i386  | Tag Image File Format (TIFF)          |
| ii libtiff5-dev:amd64<br>development files                                      | 4.0.6-1               | amd64 |       | Tag Image File Format library (TIFF), |
| ii libtiffxx5:amd64<br>(TIFF) library -- C++ interface                          | 4.0.6-1               |       | amd64 | Tag Image File Format                 |
| ii libtimedate-perl<br>manipulate date/time information                         | 2.3000-2              |       | all   | collection of modules to              |
| ii libtimezonemap-data<br>widget - data files                                   | 0.4.5                 |       | all   | GTK+3 timezone map                    |
| ii libtimezonemap1:amd64<br>widget                                              | 0.4.5                 |       | amd64 | GTK+3 timezone map                    |
| ii libtinfo-dev:amd64<br>library for the low-level terminfo library             | 6.0+20160213-1ubuntu1 |       | amd64 | developer's                           |
| ii libtinfo5:amd64<br>terminfo library for terminal handling                    | 6.0+20160213-1ubuntu1 |       | amd64 | shared low-level                      |
| ii libtinfo5:i386<br>terminfo library for terminal handling                     | 6.0+20160213-1ubuntu1 |       | i386  | shared low-level                      |
| ii libtk8.6:amd64<br>v8.6 - run-time files                                      | 8.6.5-1               |       | amd64 | Tk toolkit for Tcl and X11            |
| ii libtotem-plparser-common<br>Parser library - common files                    | 3.10.6-1ubuntu1       |       | all   | Totem Playlist                        |
| ii libtotem-plparser18:amd64<br>Parser library - runtime files                  | 3.10.6-1ubuntu1       |       | amd64 | Totem Playlist                        |
| ii libtotem0:amd64<br>for the Totem media player                                | 3.18.1-1ubuntu4       |       | amd64 | Main library                          |
| ii libtracker-sparql-1.0-0:amd64<br>database, indexer and search tool - library | 1.6.2-0ubuntu1.1      |       | amd64 | metadata                              |

|                                                                                        |                                      |       |                                                   |
|----------------------------------------------------------------------------------------|--------------------------------------|-------|---------------------------------------------------|
| ii libtsan0:amd64<br>a Valgrind-based detector of data races (runtime)                 | 5.4.0-6ubuntu1~16.04.4               | amd64 | ThreadSanitizer --                                |
| ii libtwolame0:amd64<br>encoding library                                               | 0.3.13-1.2                           | amd64 | MPEG Audio Layer 2                                |
| ii libtxc-dxtn-s2tc0:amd64<br>compression library for Mesa                             | 0~git20131104-1.1                    | amd64 | Texture                                           |
| ii libtxc-dxtn-s2tc0:i386<br>compression library for Mesa                              | 0~git20131104-1.1                    | i386  | Texture                                           |
| ii libubsan0:amd64<br>UBSan -- undefined behaviour sanitizer (runtime)                 | 5.4.0-6ubuntu1~16.04.4               | amd64 |                                                   |
| ii libubuntugestures5:amd64<br>gestures library for Ubuntu UI Toolkit                  | 1.3.1918+16.04.20160404-0ubuntu1     | amd64 | Ubuntu                                            |
| ii libubuntutoolkit5:amd64<br>toolkit common library for Ubuntu UI Toolkit             | 1.3.1918+16.04.20160404-0ubuntu1     | amd64 | Ubuntu                                            |
| ii libudev1:amd64<br>library                                                           | 229-4ubuntu16                        | amd64 | libudev shared                                    |
| ii libudev1:i386                                                                       | 229-4ubuntu16                        | i386  | libudev shared library                            |
| ii libudisks2-0:amd64<br>library to access udisks2                                     | 2.1.7-1ubuntu1                       | amd64 | GObject based                                     |
| ii libunistring0:amd64<br>library for<br>C                                             | 0.9.3-5.2ubuntu1                     | amd64 | Unicode string                                    |
| ii libunity-action-qt1:amd64<br>Action Qt API                                          | 1.1.0+14.04.20140304-0ubuntu2~gcc5.1 | amd64 | Unity                                             |
| ii libunity-control-center1<br>configure the GNOME desktop                             | 15.04.0+16.04.20160705-0ubuntu1      | amd64 | utilities to                                      |
| ii libunity-core-6.0-9:amd64<br>library for the Unity interface                        | 7.4.0+16.04.20160906-0ubuntu1        | amd64 | core                                              |
| ii libunity-gtk2-parser0:amd64<br>GtkMenuShell to GMenuModel parser                    | 0.0.0+15.04.20150118-0ubuntu2        | amd64 |                                                   |
| ii libunity-gtk3-parser0:amd64<br>GtkMenuShell to GMenuModel parser                    | 0.0.0+15.04.20150118-0ubuntu2        | amd64 |                                                   |
| ii libunity-misc4<br>functions for Unity - shared library                              | 4.0.5+14.04.20140115-0ubuntu1        | amd64 | Miscellaneous                                     |
| ii libunity-protocol-private0:amd64<br>library                                         | 7.1.4+16.04.20160701-0ubuntu1        | amd64 | binding to get places into the launcher - private |
| ii libunity-scopes-json-def-desktop<br>get places into the launcher - desktop def file | 7.1.4+16.04.20160701-0ubuntu1        | all   | binding to                                        |
| ii libunity-settings-daemon1:amd64<br>Helper library for accessing settings            | 15.04.1+16.04.20160701-0ubuntu1      | amd64 |                                                   |
| ii libunity-webapps0:amd64<br>Apps integration with the Unity desktop                  | 2.5.0~+16.04.20160201-0ubuntu1       | amd64 | Web                                               |
| ii libunity9:amd64<br>places into the launcher - shared library                        | 7.1.4+16.04.20160701-0ubuntu1        | amd64 | binding to get                                    |
| ii libunwind8<br>call-chain of a program                                               | 1.1-4.1                              | amd64 | library to determine the                          |

|                                                                               |                              |       |                                 |  |
|-------------------------------------------------------------------------------|------------------------------|-------|---------------------------------|--|
| - runtime                                                                     |                              |       |                                 |  |
| ii libupower-glib3:amd64<br>power management - shared library                 | 0.99.4-2ubuntu0.3            | amd64 | abstraction for                 |  |
| ii liburi-perl<br>URI strings                                                 | 1.71-1                       | all   | module to manipulate and access |  |
| ii liburl-dispatcher1:amd64<br>sending requests to the url dispatcher         | 0.1+16.04.20151110-0ubuntu2  | amd64 | library for                     |  |
| ii libusb-0.1-4:amd64<br>programming library                                  | 2:0.1.12-28                  | amd64 | userspace USB                   |  |
| ii libusb-1.0-0:amd64<br>programming library                                  | 2:1.0.20-1                   | amd64 | userspace USB                   |  |
| ii libusbmuxd4:amd64<br>daemon for iPhone and iPod<br>Touch devices - library | 1.0.10-2ubuntu0.1            | amd64 | USB multiplexor                 |  |
| ii libustr-1.0-1:amd64<br>shared library                                      | 1.0.4-5                      | amd64 | Micro string library:           |  |
| ii libutempter0:amd64<br>utmp/wtmp updates (runtime)                          | 1.1.6-3                      | amd64 | privileged helper for           |  |
| ii libuuid-perl<br>UUID interfaces as defined in e2fsprogs                    | 0.24-1build1                 | amd64 | Perl extension for using        |  |
| ii libuuid1:amd64<br>ID library                                               | 2.27.1-6ubuntu3.2            | amd64 | Universally Unique              |  |
| ii libuuid1:i386<br>library                                                   | 2.27.1-6ubuntu3.2            | i386  | Universally Unique ID           |  |
| ii libuv1:amd64<br>notification<br>library - runtime library                  | 1.8.0-1                      | amd64 | asynchronous event              |  |
| ii libuv1-dev:amd64<br>notification library - development files               | 1.8.0-1                      | amd64 | asynchronous event              |  |
| ii libv4l-0:amd64<br>support libraries                                        | 1.10.0-1                     | amd64 | Collection of video4linux       |  |
| ii libv4l-0:i386<br>support libraries                                         | 1.10.0-1                     | i386  | Collection of video4linux       |  |
| ii libv4lconvert0:amd64<br>format conversion library                          | 1.10.0-1                     | amd64 | Video4linux frame               |  |
| ii libv4lconvert0:i386<br>conversion library                                  | 1.10.0-1                     | i386  | Video4linux frame format        |  |
| ii libva1:amd64<br>Video Acceleration (VA) API for Linux -- runtime           | 1.7.0-1                      | amd64 |                                 |  |
| ii libvdpau1:amd64<br>Presentation API for Unix (libraries)                   | 1.1.1-3ubuntu1               | amd64 | Video Decode and                |  |
| ii libvisio-0.1-1:amd64<br>the visio file structure                           | 0.1.5-1ubuntu1               | amd64 | library for parsing             |  |
| ii libvisual-0.4-0:amd64<br>framework                                         | 0.4.0-8                      | amd64 | audio visualization             |  |
| ii libvisual-0.4-0:i386<br>framework                                          | 0.4.0-8                      | i386  | audio visualization             |  |
| ii libvncclient1:amd64                                                        | 0.9.10+dfsg-3ubuntu0.16.04.1 | amd64 | API to write                    |  |

|                                       |                   |       |       |                                                            |
|---------------------------------------|-------------------|-------|-------|------------------------------------------------------------|
| one's own VNC server - client library |                   |       |       |                                                            |
| ii libvo-aacenc0:amd64                | 0.1.3-1           |       | amd64 |                                                            |
| VisualOn AAC encoder library          |                   |       |       |                                                            |
| ii libvo-amrwbenc0:amd64              | 0.1.3-1           |       | amd64 | VisualOn AMR-WB encoder library                            |
| ii libvorbis0a:amd64                  | 1.3.5-3           |       | amd64 | decoder library for Vorbis General Audio Compression Codec |
| ii libvorbis0a:i386                   | 1.3.5-3           |       | i386  | decoder library for Vorbis General Audio Compression Codec |
| ii libvorbisenc2:amd64                | 1.3.5-3           |       | amd64 | encoder library for Vorbis General Audio Compression Codec |
| ii libvorbisenc2:i386                 | 1.3.5-3           |       | i386  | encoder library for Vorbis General Audio Compression Codec |
| ii libvorbisfile3:amd64               | 1.3.5-3           |       |       |                                                            |
| amd64                                 |                   |       |       | high-level API for Vorbis General Audio Compression Codec  |
| ii libvpx3:amd64                      | 1.5.0-2ubuntu1    |       | amd64 | VP8 and VP9 video codec (shared library)                   |
| ii libvpx3:i386                       | 1.5.0-2ubuntu1    |       | i386  | VP8 and VP9 video codec (shared library)                   |
| ii libvte-2.91-0:amd64                | 0.42.5-1ubuntu1   |       | amd64 | Terminal emulator widget for GTK+ 3.0 - runtime files      |
| ii libvte-2.91-common                 | 0.42.5-1ubuntu1   |       | all   | Terminal emulator widget for GTK+ 3.0 - common files       |
| ii libwacom-bin                       | 0.18-1            |       | amd64 | Wacom model feature query library -- binaries              |
| ii libwacom-common                    | 0.18-1            | all   |       | Wacom model feature query library (common files)           |
| ii libwacom2:amd64                    | 0.18-1            |       | amd64 | Wacom model feature query library                          |
| ii libwagon-java                      | 1.0.0-7           |       | all   | tools to manage Maven artifacts and deployment             |
| ii libwagon2-java                     | 2.10-3            |       | all   | resources' transport abstraction that is used in Maven     |
| ii libwaypack1:amd64                  | 4.75.2-2          |       | amd64 | audio codec (lossy and lossless) - library                 |
| ii libwaypack1:i386                   | 4.75.2-2          |       | i386  | audio codec (lossy and lossless) - library                 |
| ii libwayland-client0:amd64           | 1.9.0-1           | amd64 |       | wayland compositor infrastructure - client library         |
| ii libwayland-client0:i386            | 1.9.0-1           |       | i386  | wayland compositor infrastructure - client library         |
| ii libwayland-cursor0:amd64           | 1.9.0-1           |       | amd64 | wayland compositor infrastructure - cursor library         |
| ii libwayland-egl1-mesa:amd64         | 11.2.0-1ubuntu2.2 |       | amd64 | implementation of the Wayland EGL platform -- runtime      |
| ii libwayland-server0:amd64           | 1.9.0-1           |       | amd64 | wayland compositor infrastructure - server library         |
| ii libwayland-server0:i386            | 1.9.0-1           |       | i386  | wayland compositor infrastructure - server library         |

|                                                        |                                            |       |                              |  |
|--------------------------------------------------------|--------------------------------------------|-------|------------------------------|--|
| infrastructure - server library                        |                                            |       |                              |  |
| ii                                                     |                                            |       |                              |  |
| libwbclient0:amd64                                     | 2:4.3.11+dfsg-0ubuntu0.16.04.3             | amd64 | Samba                        |  |
| winbind client library                                 |                                            |       |                              |  |
| ii libwebkit2gtk-4.0-37:amd64                          | 2.14.3-0ubuntu0.16.04.1                    | amd64 | Web content                  |  |
| engine library for GTK+                                |                                            |       |                              |  |
| ii libwebkit2gtk-4.0-37-gtk2:amd64                     | 2.14.3-0ubuntu0.16.04.1                    | amd64 | Web                          |  |
| content engine library for GTK+ - GTK+2 plugin process |                                            |       |                              |  |
| ii libwebkitgtk-1.0-0:i386                             | 2.4.11-0ubuntu0.1                          | i386  | Web content engine           |  |
| library for GTK+                                       |                                            |       |                              |  |
| ii libwebkitgtk-1.0-common                             | 2.4.11-0ubuntu0.1                          | all   | Web content                  |  |
| engine library for GTK+ - data files                   |                                            |       |                              |  |
| ii libwebp5:amd64                                      | 0.4.4-1                                    | amd64 | Lossy compression of         |  |
| digital photographic images.                           |                                            |       |                              |  |
| ii                                                     |                                            |       |                              |  |
| libwebp5:i386                                          | 0.4.4-1                                    | i386  | Lossy compression of digital |  |
| photographic images.                                   |                                            |       |                              |  |
| ii libwebpmux1:amd64                                   | 0.4.4-1                                    | amd64 | Lossy compression of         |  |
| digital photographic images.                           |                                            |       |                              |  |
| ii libwebrtc-audio-processing-0:amd64                  | 0.1-3ubuntu1~gcc5.1                        | amd64 |                              |  |
| AudioProcessing module from the WebRTC project.        |                                            |       |                              |  |
| ii libwhoopsie-preferences0                            | 0.18                                       | amd64 | Ubuntu error tracker         |  |
| submission settings - shared library                   |                                            |       |                              |  |
| ii libwhoopsie0:amd64                                  | 0.2.52.2                                   | amd64 | Ubuntu error tracker         |  |
| submission - shared library                            |                                            |       |                              |  |
| ii libwildmidi-config                                  | 0.3.8-2                                    | all   | software                     |  |
| MIDI player configuration                              |                                            |       |                              |  |
| ii libwildmidi1:amd64                                  | 0.3.8-2                                    | amd64 | software MIDI player         |  |
| library                                                |                                            |       |                              |  |
| ii libwind0-heimdal:amd64                              | 1.7~git20150920+dfsg-4ubuntu1              | amd64 | Heimdal                      |  |
| Kerberos - stringprep implementation                   |                                            |       |                              |  |
| ii libwinpr-crt0.1:amd64                               | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (crt library)         |                                            |       |                              |  |
| ii libwinpr-dsparse0.1:amd64                           | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (dsparse library)     |                                            |       |                              |  |
| ii libwinpr-environment0.1:amd64                       | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (environment library) |                                            |       |                              |  |
| ii libwinpr-file0.1:amd64                              | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows                                                |                                            |       |                              |  |
| Portable Runtime library (file library)                |                                            |       |                              |  |
| ii libwinpr-handle0.1:amd64                            | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (handle library)      |                                            |       |                              |  |
| ii libwinpr-heap0.1:amd64                              | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (heap library)        |                                            |       |                              |  |
| ii libwinpr-input0.1:amd64                             | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (input library)       |                                            |       |                              |  |
| ii libwinpr-interlocked0.1:amd64                       | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 |                              |  |
| Windows Portable Runtime library (interlocked library) |                                            |       |                              |  |

|                               |                                            |       |                                                               |
|-------------------------------|--------------------------------------------|-------|---------------------------------------------------------------|
| ii libwinpr-library0.1:amd64  | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (library)                    |
| ii libwinpr-path0.1:amd64     | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (path library)               |
| ii libwinpr-pool0.1:amd64     | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (pool library)               |
| ii libwinpr-registry0.1:amd64 | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (registry library)           |
| ii libwinpr-rpc0.1:amd64      | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (RPC library)                |
| ii libwinpr-sspi0.1:amd64     | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (sspi library)               |
| ii libwinpr-synch0.1:amd64    | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (synch library)              |
| ii libwinpr-sysinfo0.1:amd64  | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (sysinfo library)            |
| ii libwinpr-thread0.1:amd64   | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (thread library)             |
| ii libwinpr-utils0.1:amd64    | 1.1.0~git20140921.1.440916e+dfsg1-5ubuntu1 | amd64 | Windows Portable Runtime library (utils library)              |
| ii libwmf0.2-7:amd64          | 0.2.8.4-10.5ubuntu1                        | amd64 | Windows metafile conversion library                           |
| ii libwmf0.2-7-gtk            | 0.2.8.4-10.5ubuntu1                        | amd64 | Windows metafile conversion library                           |
| ii libwnck-3-0:amd64          | 3.14.1-2                                   | amd64 | Window Navigator Construction Kit - runtime files             |
| ii libwnck-3-common           | 3.14.1-2                                   | all   | Window Navigator Construction Kit - common files              |
| ii libwpd-0.10-10:amd64       | 0.10.1-1ubuntu1                            | amd64 | Library for handling WordPerfect documents (shared library)   |
| ii libwpg-0.3-3:amd64         | 0.3.1-1ubuntu1                             | amd64 | WordPerfect graphics import/convert library (shared library)  |
| ii libwps-0.4-4:amd64         | 0.4.3-1ubuntu1                             | amd64 | Works text file format import filter library (shared library) |
| ii libwrap0:amd64             | 7.6.q-25                                   | amd64 | Wietse Venema's TCP wrappers library                          |
| ii libwrap0:i386              | 7.6.q-25                                   | i386  | Wietse Venema's TCP wrappers library                          |
| ii libwww-perl                | 6.15-1                                     | all   | simple and consistent interface to the world-wide web         |
| ii libwww-robotrules-perl     | 6.01-1                                     | all   | database of robots.txt-derived permissions                    |
| ii libx11-6:amd64             | 2:1.6.3-1ubuntu2                           | amd64 | X11 client-side library                                       |
| ii libx11-6:i386              | 2:1.6.3-1ubuntu2                           | i386  | X11 client-side library                                       |
| ii libx11-data                | 2:1.6.3-1ubuntu2                           | all   | X11 client-side library                                       |
| ii libx11-dev:amd64           | 2:1.6.3-1ubuntu2                           | amd64 | X11 client-side                                               |

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| library (development headers) |                           |        |                                                     |                                                              |
| ii libx11-doc                 | 2:1.6.3-1ubuntu2          | all    | X11 client-side library (development documentation) |                                                              |
| ii libx11-protocol-perl       |                           | 0.56-7 |                                                     | all Perl module for the X Window System Protocol, version 11 |
| ii libx11-xcb-dev:amd64       | 2:1.6.3-1ubuntu2          |        | amd64                                               | Xlib/XCB interface library (development headers)             |
| ii libx11-xcb1:amd64          | 2:1.6.3-1ubuntu2          |        | amd64                                               | Xlib/XCB interface library                                   |
| ii libx11-xcb1:i386           | 2:1.6.3-1ubuntu2          |        | i386                                                | Xlib/XCB interface library                                   |
| ii libx264-148:amd64          | 2:0.148.2643+git5c65704-1 |        | amd64                                               | x264 video coding library                                    |
| ii libx265-79:amd64           | 1.9-3                     |        |                                                     | amd64 H.265/HEVC video stream encoder (shared library)       |
| ii libx86-1:amd64             | 1.1+ds1-10                |        | amd64                                               | x86 real-mode library                                        |
| ii libxalan2-java             | 2.7.1-9                   |        | all                                                 | XSL Transformations (XSLT) processor in Java                 |
| ii libxapian22v5:amd64        | 1.2.22-2                  |        | amd64                                               | Search engine library                                        |
| ii libxatracker2:amd64        | 11.2.0-1ubuntu2.2         |        | amd64                                               | X acceleration library -- runtime                            |
| ii libxau-dev:amd64           | 1:1.0.8-1                 |        | amd64                                               | X11 authorisation library (development headers)              |
| ii libxau6:amd64              | 1:1.0.8-1                 |        | amd64                                               | X11 authorisation library                                    |
| ii libxau6:i386               | 1:1.0.8-1                 |        | i386                                                | X11 authorisation library                                    |
| ii libxaw7:amd64              | 2:1.0.13-1                |        | amd64                                               | X11 Athena Widget library                                    |
| ii libxbean-java              | 4.5-1                     |        | all                                                 | plugin based Java application server                         |
| ii libxcb-dri2-0:amd64        | 1.11.1-1ubuntu1           |        | amd64                                               | X C Binding, dri2 extension                                  |
| ii libxcb-dri2-0:i386         | 1.11.1-1ubuntu1           |        | i386                                                | X C Binding, dri2 extension                                  |
| ii libxcb-dri2-0-dev:amd64    | 1.11.1-1ubuntu1           |        | amd64                                               | X C Binding, dri2 extension, development files               |
| ii libxcb-dri3-0:amd64        | 1.11.1-1ubuntu1           |        | amd64                                               | X C Binding, dri3 extension                                  |
| ii libxcb-dri3-0:i386         | 1.11.1-1ubuntu1           |        | i386                                                | X C Binding, dri3 extension                                  |
| ii libxcb-dri3-dev:amd64      | 1.11.1-1ubuntu1           |        | amd64                                               | X C Binding, dri3 extension, development files               |
| ii libxcb-glx0:amd64          | 1.11.1-1ubuntu1           |        | amd64                                               | X C Binding, glx extension                                   |
| ii libxcb-glx0:i386           | 1.11.1-1ubuntu1           |        | i386                                                | X C Binding, glx extension                                   |
| ii libxcb-glx0-dev:amd64      | 1.11.1-1ubuntu1           |        | amd64                                               | X C Binding, glx extension, development files                |

|                                                  |                 |       |                         |
|--------------------------------------------------|-----------------|-------|-------------------------|
| ii libxcb-iccmm4:amd64                           | 0.4.1-1ubuntu1  |       |                         |
| amd64 utility libraries for X C Binding -- iccmm |                 |       |                         |
| ii libxcb-image0:amd64                           | 0.4.0-1build1   | amd64 | utility libraries for X |
| C Binding -- image                               |                 |       |                         |
| ii libxcb-keysyms1:amd64                         | 0.4.0-1         | amd64 | utility libraries for X |
| C Binding -- keysyms                             |                 |       |                         |
| ii libxcb-present-dev:amd64                      | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| present extension, development files             |                 |       |                         |
| ii libxcb-present0:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| present extension                                |                 |       |                         |
| ii libxcb-present0:i386                          | 1.11.1-1ubuntu1 | i386  | X C Binding, present    |
| extension                                        |                 |       |                         |
| ii libxcb-randr0:amd64                           | 1.11.1-1ubuntu1 | amd64 |                         |
| X C Binding, randr extension                     |                 |       |                         |
| ii libxcb-randr0-dev:amd64                       | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| randr extension, development files               |                 |       |                         |
| ii libxcb-render-util0:amd64                     | 0.3.9-1         | amd64 | utility libraries for X |
| C Binding -- render-util                         |                 |       |                         |
| ii libxcb-render0:amd64                          | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| render extension                                 |                 |       |                         |
| ii libxcb-render0:i386                           | 1.11.1-1ubuntu1 | i386  | X C Binding, render     |
| extension                                        |                 |       |                         |
| ii libxcb-render0-dev:amd64                      | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| render extension, development files              |                 |       |                         |
| ii libxcb-shape0:amd64                           | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| shape extension                                  |                 |       |                         |
| ii libxcb-shape0-dev:amd64                       | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| shape extension, development files               |                 |       |                         |
| ii libxcb-shm0:amd64                             | 1.11.1-1ubuntu1 | amd64 | X C Binding, shm        |
| extension                                        |                 |       |                         |
| ii libxcb-shm0:i386                              | 1.11.1-1ubuntu1 | i386  | X C Binding, shm        |
| extension                                        |                 |       |                         |
| ii libxcb-shm0-dev:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| shm extension, development files                 |                 |       |                         |
| ii libxcb-sync-dev:amd64                         | 1.11.1-1ubuntu1 | amd64 | X C Binding, sync       |
| extension, development files                     |                 |       |                         |
| ii libxcb-sync1:amd64                            | 1.11.1-1ubuntu1 | amd64 | X C Binding, sync       |
| extension                                        |                 |       |                         |
| ii libxcb-sync1:i386                             | 1.11.1-1ubuntu1 | i386  | X C Binding, sync       |
| extension                                        |                 |       |                         |
| ii libxcb-util1:amd64                            | 0.4.0-0ubuntu3  | amd64 | utility libraries for X |
| C Binding -- atom, aux and event                 |                 |       |                         |
| ii libxcb-xfixes0:amd64                          | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |
| xfixes extension                                 |                 |       |                         |
| ii libxcb-xfixes0:i386                           | 1.11.1-1ubuntu1 | i386  | X C Binding, xfixes     |
| extension                                        |                 |       |                         |
| ii libxcb-xfixes0-dev:amd64                      | 1.11.1-1ubuntu1 | amd64 | X C Binding,            |



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|-------------------------------------------------|-----------------|-------|-------------------------------------------------------------------|--|
| xfixes extension, development files             |                 |       |                                                                   |  |
| ii libxcb-xkb1:amd64                            | 1.11.1-1ubuntu1 | amd64 | X C Binding, XKEYBOARD extension                                  |  |
| XKEYBOARD extension                             |                 |       |                                                                   |  |
| ii libxcb1:amd64                                | 1.11.1-1ubuntu1 |       |                                                                   |  |
|                                                 |                 | amd64 | X C Binding                                                       |  |
| ii libxcb1:i386                                 | 1.11.1-1ubuntu1 | i386  | X C Binding                                                       |  |
| ii libxcb1-dev:amd64                            | 1.11.1-1ubuntu1 | amd64 | X C Binding, development files                                    |  |
| development files                               |                 |       |                                                                   |  |
| ii libxcomposite-dev                            | 1:0.4.4-1       | amd64 | X11 Composite extension library (development headers)             |  |
| extension library (development headers)         |                 |       |                                                                   |  |
| ii libxcomposite1:amd64                         | 1:0.4.4-1       | amd64 | X11 Composite extension library                                   |  |
| extension library                               |                 |       |                                                                   |  |
| ii libxcomposite1:i386                          | 1:0.4.4-1       | i386  | X11 Composite extension library                                   |  |
| extension library                               |                 |       |                                                                   |  |
| ii libxcursor-dev:amd64                         | 1:1.1.14-1      | amd64 | X cursor management library (development files)                   |  |
| library (development files)                     |                 |       |                                                                   |  |
| ii libxcursor1:amd64                            | 1:1.1.14-1      | amd64 | X cursor management library                                       |  |
| library                                         |                 |       |                                                                   |  |
| ii libxcursor1:i386                             | 1:1.1.14-1      | i386  | X cursor management library                                       |  |
| library                                         |                 |       |                                                                   |  |
| ii libxdamage-dev:amd64                         | 1:1.1.4-2       | amd64 | X11 damaged region extension library (development headers)        |  |
| extension library (development headers)         |                 |       |                                                                   |  |
| ii libxdamage1:amd64                            | 1:1.1.4-2       | amd64 | X11 damaged region extension library                              |  |
| extension library                               |                 |       |                                                                   |  |
| ii libxdamage1:i386                             | 1:1.1.4-2       | i386  | X11 damaged region extension library                              |  |
| extension library                               |                 |       |                                                                   |  |
| ii libxdmcp-dev:amd64                           | 1:1.1.2-1.1     | amd64 | X11 authorisation library (development headers)                   |  |
| library (development headers)                   |                 |       |                                                                   |  |
| ii libxdmcp6:amd64                              |                 |       |                                                                   |  |
|                                                 | 1:1.1.2-1.1     | amd64 | X11 Display Manager Control Protocol library                      |  |
| library                                         |                 |       |                                                                   |  |
| ii libxdmcp6:i386                               | 1:1.1.2-1.1     | i386  | X11 Display Manager Control Protocol library                      |  |
| Control Protocol library                        |                 |       |                                                                   |  |
| ii libxerces2-java                              | 2.11.0-7        | all   | Validating XML parser for Java with DOM level 3 support           |  |
| Java with DOM level 3 support                   |                 |       |                                                                   |  |
| ii libxext-dev:amd64                            | 2:1.3.3-1       | amd64 | X11 miscellaneous extensions library (development headers)        |  |
| extensions library (development headers)        |                 |       |                                                                   |  |
| ii libxext6:amd64                               | 2:1.3.3-1       | amd64 | X11 miscellaneous extension library                               |  |
| extension library                               |                 |       |                                                                   |  |
| ii libxext6:i386                                | 2:1.3.3-1       | i386  | X11 miscellaneous extension library                               |  |
| library                                         |                 |       |                                                                   |  |
| ii                                              |                 |       |                                                                   |  |
| libxfixes-dev:amd64                             | 1:5.0.1-2       | amd64 | X11 miscellaneous 'fixes' extension library (development headers) |  |
| 'fixes' extension library (development headers) |                 |       |                                                                   |  |
| ii libxfixes3:amd64                             | 1:5.0.1-2       | amd64 | X11 miscellaneous 'fixes' extension library                       |  |
| 'fixes' extension library                       |                 |       |                                                                   |  |
| ii libxfixes3:i386                              | 1:5.0.1-2       | i386  | X11 miscellaneous 'fixes' extension library                       |  |
| library                                         |                 |       |                                                                   |  |

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|-----------------------------------------|------------------------|-------|--------------------------------------------|--|
| extension library                       |                        |       |                                            |  |
| ii libxfont1:amd64                      | 1:1.5.1-1              | amd64 | X11 font rasterisation                     |  |
| library                                 |                        |       |                                            |  |
| ii libxft-dev                           | 2.3.2-1                | amd64 | FreeType-based font drawing                |  |
| library for X (development files)       |                        |       |                                            |  |
| ii libxft2:amd64                        | 2.3.2-1                | amd64 | FreeType-based                             |  |
| font drawing library for X              |                        |       |                                            |  |
| ii libxi-dev                            | 2:1.7.6-1              | amd64 | X11 Input extension library                |  |
| (development headers)                   |                        |       |                                            |  |
| ii libxi6:amd64                         | 2:1.7.6-1              | amd64 | X11 Input extension                        |  |
| library                                 |                        |       |                                            |  |
| ii libxi6:i386                          | 2:1.7.6-1              | i386  | X11 Input extension library                |  |
| ii libxinerama-dev:amd64                | 2:1.1.3-1              | amd64 | X11 Xinerama                               |  |
| extension library (development headers) |                        |       |                                            |  |
| ii libxinerama1:amd64                   | 2:1.1.3-1              | amd64 | X11 Xinerama                               |  |
| extension library                       |                        |       |                                            |  |
| ii libxinerama1:i386                    | 2:1.1.3-1              | i386  | X11 Xinerama extension                     |  |
| library                                 |                        |       |                                            |  |
| ii libxkbcommon-x11-0:amd64             |                        |       |                                            |  |
| 0.5.0-1ubuntu2                          |                        | amd64 | library to create keymaps with the XKB X11 |  |
| protocol                                |                        |       |                                            |  |
| ii libxkbcommon0:amd64                  | 0.5.0-1ubuntu2         | amd64 | library interface                          |  |
| to the XKB compiler - shared library    |                        |       |                                            |  |
| ii libxkbfile1:amd64                    | 1:1.0.9-0ubuntu1       | amd64 | X11 keyboard file                          |  |
| manipulation library                    |                        |       |                                            |  |
| ii libxklavier16:amd64                  | 5.4-0ubuntu2           | amd64 | X Keyboard                                 |  |
| Extension high-level API                |                        |       |                                            |  |
| ii libxml-commons-external-java         | 1.4.01-2build1         | all   | XML Commons                                |  |
| external code - DOM, SAX, and JAXP, etc |                        |       |                                            |  |
| ii libxml-commons-resolver1.1-java      | 1.2-7build1            | all   | XML entity and                             |  |
| URI resolver library                    |                        |       |                                            |  |
| ii libxml-dom-perl                      |                        |       |                                            |  |
| 1.44-2                                  |                        | all   | Perl module for building DOM Level 1       |  |
| compliant doc structures                |                        |       |                                            |  |
| ii libxml-parser-perl                   | 2.44-1build1           | amd64 | Perl module for parsing                    |  |
| XML files                               |                        |       |                                            |  |
| ii libxml-perl                          | 0.08-2                 | all   | Perl modules for working with              |  |
| XML                                     |                        |       |                                            |  |
| ii libxml-regexp-perl                   | 0.04-1                 | all   | Perl module for regular                    |  |
| expressions for XML tokens              |                        |       |                                            |  |
| ii libxml-twig-perl                     | 1:3.48-1               | all   | Perl module for processing                 |  |
| huge XML documents in tree mode         |                        |       |                                            |  |
| ii libxml-xpathengine-perl              | 0.13-1                 | all   | re-usable XPath engine                     |  |
| for DOM-like                            |                        |       |                                            |  |
| trees                                   |                        |       |                                            |  |
| ii libxml2:amd64                        | 2.9.3+dfsg1-1ubuntu0.1 | amd64 | GNOME XML                                  |  |
| library                                 |                        |       |                                            |  |
| ii libxml2:i386                         | 2.9.3+dfsg1-1ubuntu0.1 | i386  | GNOME XML                                  |  |

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|----------------------------------------------|-------------------------------|-------|-----------------------------------------|--|
| library                                      |                               |       |                                         |  |
| ii libxml2-dev:amd64                         | 2.9.3+dfsg1-1ubuntu0.1        | amd64 | Development                             |  |
| files for the GNOME XML library              |                               |       |                                         |  |
| ii libxml2-utils                             | 2.9.3+dfsg1-1ubuntu0.1        | amd64 | XML utilities                           |  |
| ii libxmu6:amd64                             | 2:1.1.2-2                     | amd64 | X11 miscellaneous                       |  |
| utility library                              |                               |       |                                         |  |
| ii libxmuu1:amd64                            | 2:1.1.2-2                     | amd64 | X11 miscellaneous                       |  |
| micro-utility library                        |                               |       |                                         |  |
| ii libxom-java                               | 1.2.10-1                      |       |                                         |  |
| all                                          | New XML object model for Java |       |                                         |  |
| ii libxpm4:amd64                             | 1:3.5.11-1ubuntu0.16.04.1     | amd64 | X11 pixmap                              |  |
| library                                      |                               |       |                                         |  |
| ii libxpp2-java                              | 2.1.10-7build1                | all   | XML pull parser library for             |  |
| java V2                                      |                               |       |                                         |  |
| ii libxpp3-java                              | 1.1.4c-2build1                | all   | XML pull parser library for             |  |
| java                                         |                               |       |                                         |  |
| ii libxrandr-dev:amd64                       | 2:1.5.0-1                     | amd64 | X11 RandR extension                     |  |
| library (development headers)                |                               |       |                                         |  |
| ii libxrandr2:amd64                          | 2:1.5.0-1                     | amd64 | X11 RandR extension                     |  |
| library                                      |                               |       |                                         |  |
| ii libxrandr2:i386                           | 2:1.5.0-1                     | i386  | X11 RandR extension                     |  |
| library                                      |                               |       |                                         |  |
| ii                                           |                               |       |                                         |  |
| libxrender-dev:amd64                         | 1:0.9.9-0ubuntu1              | amd64 | X Rendering                             |  |
| Extension client library (development files) |                               |       |                                         |  |
| ii libxrender1:amd64                         | 1:0.9.9-0ubuntu1              | amd64 | X Rendering                             |  |
| Extension client library                     |                               |       |                                         |  |
| ii libxrender1:i386                          | 1:0.9.9-0ubuntu1              | i386  | X Rendering Extension                   |  |
| client library                               |                               |       |                                         |  |
| ii libxres1:amd64                            | 2:1.0.7-1                     | amd64 | X11 Resource extension                  |  |
| library                                      |                               |       |                                         |  |
| ii libxshmfence-dev:amd64                    | 1.2-1                         | amd64 | X shared memory                         |  |
| fences - development files                   |                               |       |                                         |  |
| ii libxshmfence1:amd64                       | 1.2-1                         | amd64 | X shared memory                         |  |
| fences - shared library                      |                               |       |                                         |  |
| ii libxshmfence1:i386                        | 1.2-1                         | i386  | X shared memory fences - shared library |  |
| library                                      |                               |       |                                         |  |
| ii libxslt1.1:amd64                          | 1.1.28-2.1                    | amd64 | XSLT 1.0 processing                     |  |
| library - runtime library                    |                               |       |                                         |  |
| ii libxslt1.1:i386                           | 1.1.28-2.1                    | i386  | XSLT 1.0 processing library             |  |
| - runtime library                            |                               |       |                                         |  |
| ii libxss1:amd64                             | 1:1.2.2-1                     | amd64 | X11 Screen Saver                        |  |
| extension library                            |                               |       |                                         |  |
| ii libxss1:i386                              | 1:1.2.2-1                     | i386  | X11 Screen Saver extension              |  |
| library                                      |                               |       |                                         |  |
| ii libxt6:amd64                              | 1:1.1.5-0ubuntu1              | amd64 | X11 toolkit intrinsics                  |  |
| library                                      |                               |       |                                         |  |
| ii libxt6:i386                               |                               |       |                                         |  |

|                             |                               |                                |                                                                |  |
|-----------------------------|-------------------------------|--------------------------------|----------------------------------------------------------------|--|
| 1:1.1.5-0ubuntu1            | i386                          | X11 toolkit intrinsics library |                                                                |  |
| ii libxtables11:amd64       | 1.6.0-2ubuntu3                | amd64                          | netfilter xtables library                                      |  |
| ii libxtst6:amd64           | 2:1.2.2-1                     | amd64                          | X11 Testing -- Record extension library                        |  |
| ii libxtst6:i386            | 2:1.2.2-1                     | i386                           | X11 Testing -- Record extension library                        |  |
| ii libxv1:amd64             | 2:1.0.10-1                    | amd64                          | X11 Video extension library                                    |  |
| ii libxv1:i386              | 2:1.0.10-1                    | i386                           | X11 Video extension library                                    |  |
| ii libxvidcore4:amd64       | 2:1.3.4-1                     |                                |                                                                |  |
| amd64                       |                               |                                | Open source MPEG-4 video codec (library)                       |  |
| ii libxvmc1:amd64           | 2:1.0.9-1ubuntu1              | amd64                          | X11 Video extension library                                    |  |
| ii libxxf86dga1:amd64       | 2:1.1.4-1                     | amd64                          | X11 Direct Graphics Access extension library                   |  |
| ii libxxf86vm-dev:amd64     | 1:1.1.4-1                     | amd64                          | X11 XFree86 video mode extension library (development headers) |  |
| ii libxxf86vm1:amd64        | 1:1.1.4-1                     | amd64                          | X11 XFree86 video mode extension library                       |  |
| ii libxxf86vm1:i386         | 1:1.1.4-1                     | i386                           | X11 XFree86 video mode extension library                       |  |
| ii libyajl2:amd64           | 2.1.0-2                       | amd64                          | Yet Another JSON Library                                       |  |
| ii libyaml-0-2:amd64        | 0.1.6-3                       | amd64                          | Fast YAML 1.1 parser and emitter library                       |  |
| ii libyaml-libyaml-perl     | 0.41-6build1                  | amd64                          | Perl interface to libyaml, a YAML implementation               |  |
| ii libyaml-tiny-perl        | 1.69-1                        | all                            | Perl module for reading and writing YAML files                 |  |
| ii libyelp0:amd64           | 3.18.1-1ubuntu4               | amd64                          | Library for the GNOME help browser                             |  |
| ii libzbar0:amd64           | 0.10+doc-10ubuntu1            | amd64                          | bar code scanner and decoder (library)                         |  |
| ii libzeitgeist-1.0-1:amd64 | 0.3.18-1ubuntu3               | amd64                          | library to access Zeitgeist - shared library                   |  |
| ii libzeitgeist-2.0-0:amd64 | 0.9.16-0ubuntu4               | amd64                          | library to access Zeitgeist - shared library                   |  |
| ii libzmq5:amd64            | 4.1.4-7                       | amd64                          | lightweight messaging kernel (shared library)                  |  |
| ii libzvb-common            | 0.2.35-10                     | all                            | Vertical Blanking Interval decoder (VBI) - common files        |  |
| ii libzvb0:amd64            | 0.2.35-10                     | amd64                          | Vertical Blanking Interval decoder (VBI) - runtime files       |  |
| ii libzip-0-13:amd64        | 0.13.62-3                     | amd64                          | library providing read access on ZIP-archives - library        |  |
| ii light-themes             | 14.04+16.04.20161024-0ubuntu1 |                                |                                                                |  |

|     |                                                                                         |                      |                                                      |
|-----|-----------------------------------------------------------------------------------------|----------------------|------------------------------------------------------|
| all | Light Themes (Ambiance and Radiance)                                                    |                      |                                                      |
| ii  | lightdm                                                                                 | 1.18.3-0ubuntu1      | amd64 Display Manager                                |
| ii  | lintian                                                                                 | 2.5.43               | all Debian package checker                           |
| ii  | linux-base                                                                              | 4.0ubuntu1           | all Linux image base package                         |
| ii  | linux-firmware<br>drivers                                                               | 1.157.8              | all Firmware for Linux kernel                        |
| ii  | linux-generic<br>kernel and headers                                                     | 4.4.0.62.65          | amd64 Complete Generic Linux                         |
| ii  | linux-headers-4.4.0-59<br>Linux kernel version 4.4.0                                    | 4.4.0-59.80          | all Header files related to                          |
| ii  | linux-headers-4.4.0-59-generic<br>4.4.0-59.80                                           | amd64                | Linux kernel headers for version 4.4.0 on 64 bit x86 |
|     | SMP                                                                                     |                      |                                                      |
| ii  | linux-headers-4.4.0-62<br>Linux kernel version 4.4.0                                    | 4.4.0-62.83          | all Header files related to                          |
| ii  | linux-headers-4.4.0-62-generic<br>headers for version 4.4.0 on 64 bit x86 SMP           | 4.4.0-62.83          | amd64 Linux kernel                                   |
| ii  | linux-headers-generic<br>headers                                                        | 4.4.0.62.65          | amd64 Generic Linux kernel                           |
| rc  | linux-image-4.4.0-57-generic<br>image for version 4.4.0 on 64 bit x86 SMP               | 4.4.0-57.78          | amd64 Linux kernel                                   |
| ii  | linux-image-4.4.0-59-generic<br>for<br>version 4.4.0 on 64 bit x86 SMP                  | 4.4.0-59.80          | amd64 Linux kernel image                             |
| ii  | linux-image-4.4.0-62-generic<br>for version 4.4.0 on 64 bit x86 SMP                     | 4.4.0-62.83          | amd64 Linux kernel image                             |
| rc  | linux-image-extra-4.4.0-57-generic<br>extra modules for version 4.4.0 on 64 bit x86 SMP | 4.4.0-57.78          | amd64 Linux kernel                                   |
| ii  | linux-image-extra-4.4.0-59-generic<br>extra modules for version 4.4.0 on 64 bit x86 SMP | 4.4.0-59.80          | amd64 Linux kernel                                   |
| ii  | linux-image-extra-4.4.0-62-generic<br>extra modules for version 4.4.0 on 64 bit x86 SMP | 4.4.0-62.83          | amd64 Linux kernel                                   |
| ii  | linux-image-generic<br>image                                                            | 4.4.0.62.65          | amd64 Generic Linux kernel                           |
| ii  | linux-libc-dev:amd64<br>amd64 Linux Kernel Headers for development                      | 4.4.0-62.83          |                                                      |
| ii  | linux-signed-generic<br>Generic Linux kernel and headers                                | 4.4.0.62.65          | amd64 Complete Signed                                |
| rc  | linux-signed-image-4.4.0-57-generic<br>image generic                                    | 4.4.0-57.78          | amd64 Signed kernel                                  |
| ii  | linux-signed-image-4.4.0-59-generic<br>image generic                                    | 4.4.0-59.80          | amd64 Signed kernel                                  |
| ii  | linux-signed-image-4.4.0-62-generic<br>image generic                                    | 4.4.0-62.83          | amd64 Signed kernel                                  |
| ii  | linux-signed-image-generic<br>Linux kernel image                                        | 4.4.0.62.65          | amd64 Signed Generic                                 |
| ii  | linux-sound-base                                                                        | 1.0.25+dfsg-0ubuntu5 | all base package for                                 |

|                                               |                     |                                                                             |                                       |
|-----------------------------------------------|---------------------|-----------------------------------------------------------------------------|---------------------------------------|
| ALSA and OSS sound systems                    |                     |                                                                             |                                       |
| ii linux-tools-4.4.0-59                       | 4.4.0-59.80         | amd64                                                                       | Linux kernel version                  |
| specific tools for version 4.4.0-59           |                     |                                                                             |                                       |
| ii linux-tools-4.4.0-59-generic               | 4.4.0-59.80         | amd64                                                                       | Linux kernel version                  |
| specific tools for version 4.4.0-59           |                     |                                                                             |                                       |
| ii linux-tools-4.4.0-62                       | 4.4.0-62.83         | amd64                                                                       | Linux kernel version                  |
| specific tools for version 4.4.0-62           |                     |                                                                             |                                       |
| ii linux-tools-4.4.0-62-generic               | 4.4.0-62.83         | amd64                                                                       | Linux kernel version                  |
| specific tools for version 4.4.0-62           |                     |                                                                             |                                       |
| ii linux-tools-common                         | 4.4.0-62.83         | all                                                                         | Linux kernel version                  |
| specific tools for version 4.4.0              |                     |                                                                             |                                       |
| ii linux-tools-virtual                        | 4.4.0.62.65         |                                                                             |                                       |
|                                               | amd64               | This package will always depend on the latest minimal generic kernel tools. |                                       |
| ii lldb                                       | 1:3.8-33ubuntu3.1   | amd64                                                                       | Next generation, high-                |
| performance debugger                          |                     |                                                                             |                                       |
| ii lldb-3.8                                   | 1:3.8-2ubuntu4      | amd64                                                                       | Next generation, high-                |
| performance debugger                          |                     |                                                                             |                                       |
| ii llvm-3.8                                   | 1:3.8-2ubuntu4      | amd64                                                                       | Modular compiler and                  |
| toolchain technologies                        |                     |                                                                             |                                       |
| ii llvm-3.8-dev                               | 1:3.8-2ubuntu4      | amd64                                                                       | Modular compiler and                  |
| toolchain technologies, libraries and headers |                     |                                                                             |                                       |
| ii llvm-3.8-runtime                           | 1:3.8-2ubuntu4      | amd64                                                                       | Modular compiler and                  |
| toolchain technologies, IR interpreter        |                     |                                                                             |                                       |
| ii                                            |                     |                                                                             |                                       |
| Imodern                                       | 2.004.5-1           | all                                                                         | scalable PostScript and               |
| OpenType fonts based on Computer Modern       |                     |                                                                             |                                       |
| ii locales                                    | 2.23-0ubuntu5       | all                                                                         | GNU C Library: National               |
| Language (locale) data [support]              |                     |                                                                             |                                       |
| ii login                                      | 1:4.2-3.1ubuntu5    | amd64                                                                       | system login tools                    |
| ii logrotate                                  | 3.8.7-2ubuntu2      | amd64                                                                       | Log rotation utility                  |
| ii lp-solve                                   | 5.5.0.13-7build2    | amd64                                                                       | Solve (mixed integer)                 |
| linear programming problems                   |                     |                                                                             |                                       |
| ii lsb-base                                   | 9.20160110ubuntu0.2 | all                                                                         | Linux Standard Base init              |
| script functionality                          |                     |                                                                             |                                       |
| ii lsb-release                                | 9.20160110ubuntu0.2 | all                                                                         | Linux Standard Base version reporting |
| utility                                       |                     |                                                                             |                                       |
| ii lshw                                       | 02.17-1.1ubuntu3.2  | amd64                                                                       | information about                     |
| hardware configuration                        |                     |                                                                             |                                       |
| ii lsof                                       | 4.89+dfsg-0.1       | amd64                                                                       | Utility to list open files            |
| ii ltrace                                     | 0.7.3-5.1ubuntu4    | amd64                                                                       | Tracks runtime library                |
| calls in dynamically linked programs          |                     |                                                                             |                                       |
| ii m4                                         | 1.4.17-5            | amd64                                                                       | macro processing language             |
| ii make                                       | 4.1-6               | amd64                                                                       | utility for directing                 |
| compilation                                   |                     |                                                                             |                                       |
| ii makedev                                    | 2.3.1-93ubuntu1     | all                                                                         | creates device files in /dev          |
| ii man-db                                     | 2.7.5-1             | amd64                                                                       | on-line manual pager                  |

|                                                                                  |                          |       |                                |
|----------------------------------------------------------------------------------|--------------------------|-------|--------------------------------|
| ii manpages<br>GNU/Linux system                                                  | 4.04-2                   | all   | Manual pages about using a     |
| ii manpages-dev<br>GNU/Linux for development                                     | 4.04-2                   | all   | Manual pages about using       |
| ii mathpiper<br>System                                                           | 0.81f+svn4469+dfsg3-3    | all   | Java Computer Algebra          |
| ii maven<br>management and comprehension tool                                    | 3.3.9-3                  | all   | Java software project          |
| ii mawk<br>amd64 a pattern scanning and text processing language                 | 1.3.3-17ubuntu2          |       |                                |
| ii media-player-info<br>files                                                    | 22-2                     | all   | Media player identification    |
| ii memtest86+<br>memory tester                                                   | 5.01-3ubuntu2            | amd64 | thorough real-mode             |
| ii mesa-common-dev:amd64<br>documentation for Mesa                               | 11.2.0-1ubuntu2.2        | amd64 | Developer                      |
| ii mesa-vidpau-drivers:amd64<br>video acceleration drivers                       | 11.2.0-1ubuntu2.2        | amd64 | Mesa VDPAU                     |
| ii metacity-common<br>Metacity window manager                                    | 1:3.18.7-0ubuntu0.2      | all   | shared files for the           |
| ii mime-support<br>all MIME files 'mime.types' & 'mailcap', and support programs | 3.59ubuntu1              |       |                                |
| ii mlocate<br>filesystem based on their name                                     | 0.26-1ubuntu2            | amd64 | quickly find files on the      |
| ii mobile-broadband-provider-info<br>broadband service providers                 | 20140317-1               | all   | database of mobile             |
| ii modemmanager<br>managing modems                                               | 1.4.12-1ubuntu1          | amd64 | D-Bus service for              |
| ii mokutil<br>machine owner keys                                                 | 0.3.0-0ubuntu3           | amd64 | tools for manipulating         |
| ii mongodb-org-server<br>server                                                  | 3.0.14                   | amd64 | MongoDB database               |
| ii mongodb-org-shell<br>amd64 MongoDB shell client                               | 3.0.14                   |       |                                |
| ii mongodb-org-tools                                                             | 3.0.14                   | amd64 | MongoDB tools                  |
| ii mono-4.0-gac<br>CLI 4.0)                                                      | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono GAC tool (for             |
| ii mono-csharp-shell                                                             | 4.2.1.102+dfsg2-7ubuntu4 | all   | interactive C# shell           |
| ii mono-devel<br>tools                                                           | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono development               |
| ii mono-gac                                                                      | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono GAC tool                  |
| ii mono-mcs<br>4.0 / 5.0 compiler for CLI 2.0 / 4.0 / 4.5                        | 4.2.1.102+dfsg2-7ubuntu4 | all   | Mono C# 2.0 / 3.0 /            |
| ii mono-runtime<br>4.2.1.102+dfsg2-7ubuntu4                                      | amd64                    |       | Mono runtime - default version |
| ii mono-runtime-common<br>runtime - common files                                 | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono                           |
| ii mono-runtime-sgen                                                             | 4.2.1.102+dfsg2-7ubuntu4 | amd64 | Mono runtime                   |

|                                                     |                             |       |                                |
|-----------------------------------------------------|-----------------------------|-------|--------------------------------|
| - SGen                                              |                             |       |                                |
| ii mono-utils                                       | 4.2.1.102+dfsg2-7ubuntu4    | amd64 | Mono utilities                 |
| ii mono-xbuild                                      | 4.2.1.102+dfsg2-7ubuntu4    | all   | MSBuild-compatible             |
| build system for Mono                               |                             |       |                                |
| ii mount                                            | 2.27.1-6ubuntu3.2           | amd64 | tools for mounting and         |
| manipulating filesystems                            |                             |       |                                |
| ii mountall                                         | 2.54ubuntu1                 | amd64 | filesystem                     |
| mounting tool                                       |                             |       |                                |
| ii mousetweaks                                      | 3.12.0-1ubuntu2             | amd64 | mouse accessibility            |
| enhancements for the GNOME desktop                  |                             |       |                                |
| ii mscompress                                       | 0.4-3                       | amd64 | Microsoft                      |
| "compress.exe/expand.exe" compatible (de)compressor |                             |       |                                |
| ii mtools                                           | 4.0.18-2ubuntu0.16.04       | amd64 | Tools for manipulating         |
| MSDOS files                                         |                             |       |                                |
| ii mtr-tiny                                         | 0.86-1ubuntu0.1             | amd64 | Full screen ncurses            |
| traceroute tool                                     |                             |       |                                |
| ii multiarch-support                                | 2.23-0ubuntu5               | amd64 | Transitional package           |
| to ensure multiarch compatibility                   |                             |       |                                |
| ii mysql-common                                     | 5.7.17-0ubuntu0.16.04.1     | all   | MySQL                          |
| database common files, e.g. /etc/mysql/my.cnf       |                             |       |                                |
| ii mythes-en-au                                     | 2.1-5.4                     | all   | Australian English Thesaurus   |
| for OpenOffice.org                                  |                             |       |                                |
| ii mythes-en-us                                     | 1:5.1.0-1ubuntu2.2          | all   | English (USA)                  |
| Thesaurus for LibreOffice                           |                             |       |                                |
| ii mythes-it                                        | 2.0.7.gh.deb1-4.1           | all   | Italian Thesaurus for          |
| OpenOffice.org 2                                    |                             |       |                                |
| ii nano                                             | 2.5.3-2ubuntu1              | amd64 | small, friendly text editor    |
| inspired by Pico                                    |                             |       |                                |
| ii nautilus                                         | 1:3.18.4.is.3.14.3-0ubuntu5 | amd64 | file manager and               |
| graphical shell for GNOME                           |                             |       |                                |
| ii nautilus-data                                    | 1:3.18.4.is.3.14.3-0ubuntu5 | all   |                                |
| data files for nautilus                             |                             |       |                                |
| ii nautilus-sendto                                  | 3.8.2-1ubuntu1              | amd64 | integrates Evolution           |
| and Pidgin into the Nautilus file manager           |                             |       |                                |
| ii nautilus-share                                   | 0.7.3-2ubuntu1              | amd64 | Nautilus extension to          |
| share folder using Samba                            |                             |       |                                |
| ii ncurses-base                                     | 6.0+20160213-1ubuntu1       | all   | basic terminal type            |
| definitions                                         |                             |       |                                |
| ii ncurses-bin                                      | 6.0+20160213-1ubuntu1       | amd64 | terminal-related               |
| programs and man pages                              |                             |       |                                |
| ii net-tools                                        | 1.60-26ubuntu1              | amd64 | NET-3 networking               |
| toolkit                                             |                             |       |                                |
| ii netbase                                          | 5.3                         | all   | Basic TCP/IP networking system |
| ii                                                  |                             |       |                                |
| netcat-openbsd                                      | 1.105-7ubuntu1              | amd64 | TCP/IP swiss army              |
| knife                                               |                             |       |                                |
| ii netpbm                                           | 2:10.0-15.3                 | amd64 | Graphics conversion tools      |
| between image formats                               |                             |       |                                |



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|-------------------------------------------------------------------------------------------|------------------------|-------|----------------------------------|
| ii network-manager<br>management framework (daemon and userspace tools)                   | 1.2.2-0ubuntu0.16.04.3 | amd64 | network                          |
| ii network-manager-gnome<br>management framework (GNOME frontend)                         | 1.2.0-0ubuntu0.16.04.4 | amd64 | network                          |
| ii network-manager-pptp<br>management framework (PPTP plugin core)                        | 1.1.93-1ubuntu1        | amd64 | network                          |
| ii network-manager-pptp-gnome<br>management framework (PPTP<br>plugin GNOME GUI)          | 1.1.93-1ubuntu1        | amd64 | network                          |
| ii node-abbrev<br>set of strings - Node.js module                                         | 1.0.5-2                | all   | Get unique abbreviations for a   |
| ii node-ansi<br>for Node.js                                                               | 0.3.0-2                | all   | Advanced ANSI formatting tool    |
| ii node-ansi-color-table<br>ansi output - Node.js module                                  | 1.0.0-1                | all   | Color and format tables for      |
| ii node-archy<br>module for Node.js                                                       | 0.0.2-1                | all   | Pretty-print nested hierarchies  |
| ii node-async<br>common patterns for asynchronous Javascript                              | 0.8.0-1                | all   | higher-order functions and       |
| ii node-block-stream<br>all Stream of fixed-size blocks, with zero-padding when necessary | 0.0.7-1                |       |                                  |
| ii node-combined-stream<br>another - module for Node.js                                   | 0.0.5-1                | all   | Append streams one after         |
| ii node-cookie-jar<br>clients - module for Node.js                                        | 0.3.1-1                | all   | Cookie handling for HTTP         |
| ii node-delayed-stream<br>later handling - module for Node.js                             | 0.0.5-1                | all   | Buffer stream events for         |
| ii node-forever-agent<br>keep-alive requests - module for Node.js                         | 0.5.1-1                | all   | HTTP agent supporting            |
| ii node-form-data<br>streams module for Node.js                                           | 0.1.0-1                | all   | Create multipart/form-data       |
| ii<br>node-fstream<br>tools for Node.js                                                   | 0.1.24-1               | all   | Advanced filesystem streaming    |
| ii node-fstream-ignore<br>configurable by .ignore module for Node.js                      | 0.0.6-2                | all   | Directory reader                 |
| ii node-github-url-from-git<br>url to an http url - Node.js module                        | 1.1.1-1                | all   | Convert github git or gist       |
| ii node-glob                                                                              | 4.0.5-1                | all   | glob functionality for Node.js   |
| ii node-graceful-fs<br>improving the Node.js fs module                                    | 3.0.2-1                | all   | drop-in replacement              |
| ii node-gyp<br>addon build tool for Node.js                                               | 3.0.3-2ubuntu1         | all   | Native                           |
| ii node-inherits<br>Node.js environment                                                   | 2.0.1-3                | all   | Exposes inherits function from   |
| ii node-ini<br>for Node.js                                                                | 1.1.0-1                | all   | ini format parser and serializer |
| ii node-json-stringify-safe                                                               | 5.0.0-1                | all   | JSON.stringify with              |

|                                           |          |                                              |     |                                               |
|-------------------------------------------|----------|----------------------------------------------|-----|-----------------------------------------------|
| circular references module for Node.js    |          |                                              |     |                                               |
| ii node-lockfile                          | 0.4.1-1  |                                              | all | Asynchronous file lock                        |
| module for Node.js                        |          |                                              |     |                                               |
| ii node-lru-cache                         | 2.3.1-1  |                                              | all | least-recently-used cache                     |
| object for Node.js                        |          |                                              |     |                                               |
| ii node-mime                              | 1.3.4-1  |                                              | all |                                               |
| library for mime-type mapping for Node.js |          |                                              |     |                                               |
| ii node-minimatch                         | 1.0.0-1  |                                              | all | Convert glob expressions                      |
| into RegExp objects for Node.js           |          |                                              |     |                                               |
| ii node-mkdirp                            | 0.5.0-1  |                                              | all | Recursively create directories                |
| - Node.js module                          |          |                                              |     |                                               |
| ii node-mute-stream                       | 0.0.4-1  |                                              | all | Pass-through stream that                      |
| can be muted module for Node.js           |          |                                              |     |                                               |
| ii node-node-uuid                         | 1.4.0-1  |                                              | all | simple, fast generation of                    |
| RFC4122 UUIDs - Node module               |          |                                              |     |                                               |
| ii node-nopt                              | 3.0.1-1  |                                              | all | Command-line option parser                    |
| for Node.js                               |          |                                              |     |                                               |
| ii node-normalize-package-data            | 0.2.2-1  |                                              |     |                                               |
|                                           | all      | Normalizes package metadata - Node.js module |     |                                               |
| ii node-npmlog                            | 0.0.4-1  |                                              | all | Logger with custom levels                     |
| and colored output for Node.js            |          |                                              |     |                                               |
| ii node-once                              | 1.1.1-1  |                                              | all | Run a function only once with                 |
| this module for Node.js                   |          |                                              |     |                                               |
| ii node-osenv                             | 0.1.0-1  |                                              | all | Environment settings lookup                   |
| module for Node.js                        |          |                                              |     |                                               |
| ii node-qs                                | 2.2.4-1  |                                              | all | Parse, stringify query strings for            |
| Node.js                                   |          |                                              |     |                                               |
| ii node-read                              | 1.0.5-1  |                                              | all | Read user input from stdin                    |
| module for Node.js                        |          |                                              |     |                                               |
| ii node-read-package-json                 | 1.2.4-1  |                                              | all | Read package.json for npm module for Node.js  |
|                                           |          |                                              |     |                                               |
| ii node-request                           | 2.26.1-1 |                                              | all | simplified HTTP request                       |
| client module for Node.js                 |          |                                              |     |                                               |
| ii node-retry                             | 0.6.0-1  |                                              | all | Retry strategies for failed                   |
| operations module for Node.js             |          |                                              |     |                                               |
| ii node-rimraf                            | 2.2.8-1  |                                              | all | Deep deletion (like rm -rf)                   |
| module for Node.js                        |          |                                              |     |                                               |
| ii node-semver                            | 2.1.0-2  |                                              | all | Semantic Versioning for                       |
| Node.js                                   |          |                                              |     |                                               |
| ii node-sha                               | 1.2.3-1  |                                              | all | Check and get file or stream                  |
| hashes - module for Node.js               |          |                                              |     |                                               |
| ii node-sigmund                           | 1.0.0-1  |                                              | all | Quick and dirty signatures for Objects module |
| for Node.js                               |          |                                              |     |                                               |
| ii node-slide                             | 1.1.4-1  |                                              | all | Simple chain and asyncMap                     |
| flow control module for Node.js           |          |                                              |     |                                               |
| ii node-tar                               | 1.0.3-2  |                                              | all | read and write portable tar                   |
| archives module for Node.js               |          |                                              |     |                                               |

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|-------------------------------------------------------------------|--------------------------------|-------|-----------------------------------------|
| ii node-tunnel-agent<br>module for Node.js                        | 0.3.1-1                        | all   | HTTP proxy tunneling agent              |
| ii node-underscore<br>programming helper library - NodeJS         | 1.7.0~dfsg-1ubuntu1            | all   | JavaScript's functional                 |
| ii node-which<br>'which' module for Node.js                       | 1.0.5-2                        | all   | Cross-platform                          |
| ii nodejs<br>javascript                                           | 4.2.6~dfsg-1ubuntu4.1          | amd64 | evented I/O for V8                      |
| ii nodejs-dev<br>javascript (development files)                   | 4.2.6~dfsg-1ubuntu4.1          | amd64 | evented I/O for V8                      |
| ii nodejs-legacy<br>javascript (legacy symlink)                   | 4.2.6~dfsg-1ubuntu4.1          | all   | evented I/O for V8                      |
| ii notify-osd<br>displays passive pop-up notifications            | 0.9.35+16.04.20160415-0ubuntu1 | amd64 | daemon that                             |
| ii notify-osd-icons<br>icons                                      | 0.8+15.10.20151016.2-0ubuntu1  | all   | Notify-OSD                              |
| ii npm<br>ii                                                      | 3.5.2-0ubuntu4                 | all   | package manager for Node.js             |
| ntfs-3g<br>driver for FUSE                                        | 1:2015.3.14AR.1-1ubuntu0.1     | amd64 | read/write NTFS                         |
| ii nux-tools<br>toolkit for real-time applications - tools        | 4.0.8+16.04.20160705-0ubuntu1  | amd64 | Visual rendering                        |
| ii ocl-icd-libopencl1:amd64<br>Loader                             | 2.2.8-1                        | amd64 | Generic OpenCL ICD                      |
| ii ocl-icd-opencl-dev:amd64<br>files                              | 2.2.8-1                        | amd64 | OpenCL development                      |
| ii onboard<br>Keyboard                                            | 1.2.0-0ubuntu5                 | amd64 | Simple On-screen                        |
| ii onboard-data<br>the word suggestion feature of Onboard         | 1.2.0-0ubuntu5                 | all   | Language model files for                |
| ii opencl-headers<br>files                                        | 2.0~svn32091-2                 | all   | OpenCL (Open Computing Language) header |
| ii opencv-data<br>opencv                                          | 2.4.9.1+dfsg-1.5ubuntu1        | all   | development data for                    |
| ii openoffice.org-hyphenation<br>OpenOffice.org                   | 0.9                            | all   | Hyphenation patterns for                |
| ii openprinting-ppds<br>support - PostScript PPD files            | 20160212-0ubuntu1              | all   | OpenPrinting printer                    |
| ii openssh-client<br>client, for secure access to remote machines | 1:7.2p2-4ubuntu2.1             | amd64 | secure shell (SSH)                      |
| ii openssl<br>toolkit - cryptographic utility                     | 1.0.2g-1ubuntu4.6              | amd64 | Secure Sockets Layer                    |
| ii oracle-java8-installer<br>8u121-1~webupd8~0                    |                                | all   | Oracle Java(TM) Development Kit (JDK) 8 |
| ii oracle-java8-set-default<br>as default Java                    | 8u121-1~webupd8~0              | all   | Set Oracle JDK 8                        |
| ii os-prober                                                      | 1.70ubuntu3                    | amd64 | utility to detect other                 |

|                                                      |                                          |       |                                            |  |
|------------------------------------------------------|------------------------------------------|-------|--------------------------------------------|--|
| OSes on a set of drives                              |                                          |       |                                            |  |
| ii overlay-scrollbar                                 | 0.2.17.1+16.04.20151117-0ubuntu1.16.04.1 | all   | Scrollbar                                  |  |
| overlay - configuration                              |                                          |       |                                            |  |
| ii overlay-scrollbar-gtk2:amd64                      | 0.2.17.1+16.04.20151117-0ubuntu1.16.04.1 | amd64 |                                            |  |
| GTK 2 module for overlay scrollbars                  |                                          |       |                                            |  |
| ii oxideqt-codecs-extra:amd64                        | 1.20.4-0ubuntu0.16.04.1                  | amd64 | Web browser                                |  |
| engine for Qt (codecs)                               |                                          |       |                                            |  |
| ii p11-kit                                           |                                          |       |                                            |  |
|                                                      | 0.23.2-5~ubuntu16.04.1                   | amd64 | p11-glue utilities                         |  |
| ii p11-kit-modules:amd64                             | 0.23.2-5~ubuntu16.04.1                   | amd64 | p11-glue                                   |  |
| proxy and trust modules                              |                                          |       |                                            |  |
| ii pandoc                                            | 1.16.0.2~dfsg-1                          | amd64 | general markup converter                   |  |
| ii pandoc-data                                       | 1.16.0.2~dfsg-1                          | all   | general markup converter -                 |  |
| data files                                           |                                          |       |                                            |  |
| ii parted                                            | 3.2-15                                   | amd64 | disk partition manipulator                 |  |
| ii passwd                                            | 1:4.2-3.1ubuntu5                         | amd64 | change and administer                      |  |
| password and group data                              |                                          |       |                                            |  |
| ii patch                                             | 2.7.5-1                                  | amd64 |                                            |  |
| Apply a diff file to an original                     |                                          |       |                                            |  |
| ii patchutils                                        | 0.3.4-1                                  | amd64 | Utilities to work with patches             |  |
| ii pciutils                                          | 1:3.3.1-1.1ubuntu1                       | amd64 | Linux PCI Utilities                        |  |
| ii pcmciautils                                       | 018-8                                    | amd64 | PCMCIA utilities for Linux                 |  |
| 2.6                                                  |                                          |       |                                            |  |
| ii perl                                              | 5.22.1-9                                 | amd64 | Larry Wall's Practical                     |  |
| Extraction and Report Language                       |                                          |       |                                            |  |
| ii perl-base                                         | 5.22.1-9                                 | amd64 | minimal Perl system                        |  |
| ii perl-modules-5.22                                 | 5.22.1-9                                 | all   | Core Perl modules                          |  |
| ii pgdg-keyring                                      |                                          |       |                                            |  |
|                                                      | 2014.1                                   | all   | keyring for apt.postgresql.org             |  |
| ii pinentry-gnome3                                   | 0.9.7-3                                  | amd64 | GNOME 3 PIN or pass-                       |  |
| phrase entry dialog for GnuPG                        |                                          |       |                                            |  |
| ii pkg-config                                        | 0.29.1-0ubuntu1                          | amd64 | manage compile and                         |  |
| link flags for libraries                             |                                          |       |                                            |  |
| ii plainbox-provider-checkbox                        | 0.25-1                                   | amd64 | CheckBox provider                          |  |
| for PlainBox                                         |                                          |       |                                            |  |
| ii plainbox-provider-resource-generic                | 0.23-1                                   | amd64 | CheckBox generic                           |  |
| resource jobs provider                               |                                          |       |                                            |  |
| ii plainbox-secure-policy                            | 0.25-1                                   | all   | policykit policy required to               |  |
| use plainbox (secure version)                        |                                          |       |                                            |  |
| ii plymouth                                          |                                          |       |                                            |  |
|                                                      | 0.9.2-3ubuntu13.1                        | amd64 | boot animation, logger and I/O multiplexer |  |
| ii plymouth-label                                    | 0.9.2-3ubuntu13.1                        | amd64 | boot animation,                            |  |
| logger and I/O multiplexer - label control           |                                          |       |                                            |  |
| ii plymouth-theme-ubuntu-logo                        | 0.9.2-3ubuntu13.1                        | amd64 | boot                                       |  |
| animation, logger and I/O multiplexer - ubuntu theme |                                          |       |                                            |  |
| ii plymouth-theme-ubuntu-text                        | 0.9.2-3ubuntu13.1                        | amd64 | boot animation,                            |  |
| logger and I/O multiplexer - ubuntu text theme       |                                          |       |                                            |  |
| ii pm-utils                                          | 1.4.1-16                                 | all   | utilities and scripts for power            |  |

|                                        |                     |       |                               |
|----------------------------------------|---------------------|-------|-------------------------------|
| management                             |                     |       |                               |
| ii po-debconf                          | 1.0.19              | all   | tool for managing templates   |
| file translations with gettext         |                     |       |                               |
| ii                                     |                     |       |                               |
| policykit-1                            | 0.105-14.1          | amd64 | framework for managing        |
| administrative policies and privileges |                     |       |                               |
| ii policykit-1-gnome                   | 0.105-2ubuntu2      | amd64 | GNOME                         |
| authentication agent for PolicyKit-1   |                     |       |                               |
| ii policykit-desktop-privileges        | 0.20                | all   | run common desktop            |
| actions without password               |                     |       |                               |
| ii poppler-data                        | 0.4.7-7             | all   | encoding data for the poppler |
| PDF rendering library                  |                     |       |                               |
| ii poppler-utils                       | 0.41.0-0ubuntu1.1   | amd64 | PDF utilities (based on       |
| Poppler)                               |                     |       |                               |
| ii popularity-contest                  | 1.64ubuntu2         | all   | Vote for your favourite       |
| packages automatically                 |                     |       |                               |
| ii postgresql                          | 9.6+178.pgdg16.04+1 | all   | object-relational SQL         |
| database (supported version)           |                     |       |                               |
| ii postgresql-9.5                      | 9.5.5-1.pgdg16.04+1 | amd64 | object-relational             |
| SQL database, version 9.5 server       |                     |       |                               |
| ii postgresql-9.6                      | 9.6.1-2.pgdg16.04+1 | amd64 | object-relational             |
| SQL database, version 9.6 server       |                     |       |                               |
| ii postgresql-client-9.5               | 9.5.5-1.pgdg16.04+1 | amd64 | front-end programs            |
| for PostgreSQL 9.5                     |                     |       |                               |
| ii postgresql-client-9.6               | 9.6.1-2.pgdg16.04+1 | amd64 | front-end programs            |
| for PostgreSQL 9.6                     |                     |       |                               |
| ii postgresql-client-common            | 178.pgdg16.04+1     | all   | manager for                   |
| multiple PostgreSQL client versions    |                     |       |                               |
| ii postgresql-common                   | 178.pgdg16.04+1     | all   | PostgreSQL                    |
| database-cluster manager               |                     |       |                               |
| ii postgresql-contrib                  | 9.6+178.pgdg16.04+1 | all   | additional facilities         |
| for PostgreSQL (supported version)     |                     |       |                               |
| ii postgresql-contrib-9.5              | 9.5.5-1.pgdg16.04+1 | amd64 | additional                    |
| facilities for PostgreSQL              |                     |       |                               |
| ii postgresql-contrib-9.6              | 9.6.1-2.pgdg16.04+1 | amd64 | additional                    |
| facilities for PostgreSQL              |                     |       |                               |
| ii powermgmt-base                      | 1.31+nmul           | all   | Common utils and              |
| configs for power management           |                     |       |                               |
| ii ppp                                 | 2.4.7-1+2ubuntu1    | amd64 | Point-to-Point                |
| Protocol (PPP) - daemon                |                     |       |                               |
| ii pppconfig                           | 2.3.22              | all   | Text menu based utility for   |
| configuring ppp                        |                     |       |                               |
| ii pppoeconf                           | 1.21ubuntu1         | all   | configures PPPoE/ADSL         |
| connections                            |                     |       |                               |
| ii pptp-linux                          | 1.8.0-1             | amd64 | Point-to-Point Tunneling      |
| Protocol (PPTP) Client                 |                     |       |                               |
| ii preview-latex-style                 | 11.88-1.1ubuntu1    | all   | extraction of elements        |
| from LaTeX documents as graphics       |                     |       |                               |

|                                                                                |                         |       |                                |
|--------------------------------------------------------------------------------|-------------------------|-------|--------------------------------|
| ii printer-driver-brlaser<br>(some) Brother laser printers                     | 3-5~ubuntu1             | amd64 | printer driver for             |
| ii printer-driver-c2esp<br>driver for Kodak ESP AiO color inkjet Series        | 27-2                    | amd64 | printer                        |
| ii printer-driver-foo2zjs<br>for ZjStream-based printers                       | 20151024dfsg0-1ubuntu1  | amd64 | printer driver                 |
| ii printer-driver-foo2zjs-common<br>for ZjStream-based printers - common files | 20151024dfsg0-1ubuntu1  | all   | printer driver                 |
| ii printer-driver-gutenprint<br>CUPS                                           | 5.2.11-1                | amd64 | printer drivers for            |
| ii printer-driver-hpcups<br>and Imaging - CUPS Raster driver (hpcups)          | 3.16.3+repack0-1        | amd64 | HP Linux Printing              |
| ii printer-driver-min12xxw<br>KonicaMinolta PagePro 1[234]xxW                  | 0.0.9-9                 | amd64 | printer driver for             |
| ii printer-driver-pnm2ppa<br>amd64 printer driver for HP-GDI printers          | 1.13+nondbs-0ubuntu5    |       |                                |
| ii printer-driver-postscript-hp<br>PostScript Descriptions                     | 3.16.3+repack0-1        | all   | HP Printers                    |
| ii printer-driver-ptouch<br>touch label printers                               | 1.4-1                   | amd64 | printer driver Brother P-      |
| ii printer-driver-pxljr<br>Color LaserJet 35xx/36xx                            | 1.4+repack0-4           | amd64 | printer driver for HP          |
| ii printer-driver-sag-gdi<br>Aficio SP 1000s/SP 1100s                          | 0.1-4ubuntu1            | all   | printer driver for Ricoh       |
| ii printer-driver-splix<br>Samsung and Xerox SPL2 and SPLc laser printers      | 2.0.0+svn315-4fakesync1 | amd64 | Driver for                     |
| ii procps<br>amd64 /proc file system utilities                                 | 2:3.3.10-4ubuntu2.3     |       |                                |
| ii prosper<br>transparencies                                                   | 1.00.4+cvs.2007.05.01-4 | all   | LaTeX class for writing        |
| ii ps2eps<br>EPS (Encapsulated PostScript) files                               | 1.68+binaryfree-1       | amd64 | convert PostScript to          |
| ii psmisc<br>file system                                                       | 22.21-2.1build1         | amd64 | utilities that use the proc    |
| ii psutils<br>handling utilities                                               | 1.17.dfsg-2             | amd64 | PostScript document            |
| ii pulse<br>PulseAudio sound server                                            | 8.2                     | all   | Pulse Secure Client for Linux  |
| ii pulseaudio<br>PulseAudio sound server                                       | 1:8.0-0ubuntu3.2        | amd64 |                                |
| ii pulseaudio-module-bluetooth<br>module for PulseAudio sound server           | 1:8.0-0ubuntu3.2        | amd64 | Bluetooth                      |
| ii pulseaudio-module-x11<br>PulseAudio sound server                            | 1:8.0-0ubuntu3.2        | amd64 | X11 module for                 |
| ii pulseaudio-utils<br>for the PulseAudio sound server                         | 1:8.0-0ubuntu3.2        | amd64 | Command line tools             |
| ii pyotherside                                                                 | 1.4.0-2                 | all   | transitional dummy package     |
| ii python<br>oriented language (default version)                               | 2.7.11-1                | amd64 | interactive high-level object- |

|                                                                   |                                    |       |                                                          |
|-------------------------------------------------------------------|------------------------------------|-------|----------------------------------------------------------|
| ii python-alabaster                                               | 0.7.7-1                            | all   | Configurable                                             |
| sidebar-enabled Sphinx theme (Python 2)                           |                                    |       |                                                          |
| ii python-all                                                     | 2.7.11-1                           | amd64 | package depending on all                                 |
| supported Python runtime versions                                 |                                    |       |                                                          |
| ii python-all-dev                                                 | 2.7.11-1                           | amd64 | package depending on all                                 |
| supported Python development packages                             |                                    |       |                                                          |
| ii python-appindicator                                            | 12.10.1+15.04.20141110-0ubuntu1    | amd64 | Python                                                   |
| bindings for libappindicator                                      |                                    |       |                                                          |
| ii python-apt                                                     | 1.1.0~beta1build1                  | amd64 | Python interface to                                      |
| libapt-pkg                                                        |                                    |       |                                                          |
| ii python-apt-common                                              | 1.1.0~beta1build1                  | all   | Python interface to                                      |
| libapt-pkg (locales)                                              |                                    |       |                                                          |
| ii python-babel                                                   | 1.3+dfsg.1-6                       |       |                                                          |
| all tools for internationalizing Python applications - Python 2.x |                                    |       |                                                          |
| ii python-babel-localedata                                        | 1.3+dfsg.1-6                       | all   | tools for                                                |
| internationalizing Python applications - locale data files        |                                    |       |                                                          |
| ii python-cairo                                                   | 1.8.8-2                            | amd64 | Python bindings for the                                  |
| Cairo vector graphics library                                     |                                    |       |                                                          |
| ii python-chardet                                                 | 2.3.0-2                            | all   | universal character encoding                             |
| detector for Python2                                              |                                    |       |                                                          |
| ii python-compizconfig:amd64                                      | 1:0.9.12.2+16.04.20160823-0ubuntu1 | amd64 |                                                          |
| Compizconfig bindings for Python                                  |                                    |       |                                                          |
| ii python-dev                                                     | 2.7.11-1                           | amd64 | header files and a static                                |
| library for Python (default)                                      |                                    |       |                                                          |
| ii python-docutils                                                | 0.12+dfsg-1                        | all   | text processing system for reStructuredText (implemented |
| in Python 2)                                                      |                                    |       |                                                          |
| ii python-gi                                                      | 3.20.0-0ubuntu1                    | amd64 | Python 2.x bindings for                                  |
| object-introspection libraries                                    |                                    |       |                                                          |
| ii python-gobject                                                 | 3.20.0-0ubuntu1                    | all   | Python 2.x bindings for                                  |
| GObject - transitional package                                    |                                    |       |                                                          |
| ii python-gobject-2                                               | 2.28.6-12ubuntu1                   | amd64 | deprecated static                                        |
| Python bindings for the GObject library                           |                                    |       |                                                          |
| ii python-gtk2                                                    | 2.24.0-4ubuntu1                    | amd64 | Python bindings for the                                  |
| GTK+ widget set                                                   |                                    |       |                                                          |
| ii python-jinja2                                                  | 2.8-1                              | all   | small but fast and easy to                               |
| use stand-alone template engine                                   |                                    |       |                                                          |
| ii python-lldb-3.8                                                | 1:3.8-2ubuntu4                     | amd64 | Next generation, high-                                   |
| performance debugger, python lib                                  |                                    |       |                                                          |
| ii python-lockfile                                                | 1:0.12.2-1                         | all   | file locking library for                                 |
| Python — Python 2 library                                         |                                    |       |                                                          |
| ii python-markupsafe                                              | 0.23-2build2                       | amd64 |                                                          |
| HTML/XHTML/XML string library for Python                          |                                    |       |                                                          |
| ii python-minimal                                                 | 2.7.11-1                           | amd64 | minimal subset of the                                    |
| Python language (default version)                                 |                                    |       |                                                          |
| ii python-numpy                                                   | 1:1.11.0-1ubuntu1                  | amd64 | Numerical Python                                         |
| adds a fast array facility to the Python language                 |                                    |       |                                                          |
| ii python-pil:amd64                                               | 3.1.2-0ubuntu1                     |       |                                                          |

|    |                               |                                               |       |                                                                           |
|----|-------------------------------|-----------------------------------------------|-------|---------------------------------------------------------------------------|
|    | amd64                         | Python Imaging Library (Pillow fork)          |       |                                                                           |
| ii | python-pil.imagetk:amd64      | 3.1.2-0ubuntu1                                | amd64 | Python Imaging Library - ImageTk Module (Pillow fork)                     |
| ii | python-pip                    | 8.1.1-2ubuntu0.4                              | all   | alternative Python package installer                                      |
| ii | python-pip-whl                | 8.1.1-2ubuntu0.4                              | all   | alternative Python package installer                                      |
| ii | python-pkg-resources          | 20.7.0-1                                      | all   | Package Discovery and Resource Access using pkg_resources                 |
| ii | python-ply                    | 3.7-1                                         | all   | Lex and Yacc implementation for Python2                                   |
| ii | python-pygments               | 2.1+dfsg-1                                    |       |                                                                           |
|    | all                           | syntax highlighting package written in Python |       |                                                                           |
| ii | python-roman                  | 2.0.0-2                                       | all   | module for generating/analyzing Roman numerals for Python 2               |
| ii | python-setuptools             | 20.7.0-1                                      | all   | Python Distutils Enhancements                                             |
| ii | python-six                    | 1.10.0-3                                      | all   | Python 2 and 3 compatibility library (Python 2 interface)                 |
| ii | python-sphinx                 | 1.3.6-2ubuntu1                                | all   | documentation generator for Python projects (implemented in Python 2)     |
| ii | python-sphinx-rtd-theme       | 0.1.9-1                                       | all   | sphinx theme from readthedocs.org (Python 2)                              |
| ii | python-talloc                 | 2.1.5-2                                       | amd64 | hierarchical pool based memory allocator - Python bindings                |
| ii | python-tk                     | 2.7.11-2                                      | amd64 | Tkinter - Writing Tk applications with Python                             |
| ii | python-tz                     | 2014.10~dfsg1-0ubuntu2                        | all   | Python version of the Olson timezone database                             |
| ii | python-wheel                  | 0.29.0-1                                      | all   | built-package format for Python                                           |
| ii | python2.7                     | 2.7.12-1ubuntu0~16.04.1                       | amd64 | Interactive high-level object-oriented language (version 2.7)             |
| ii | python2.7-dev                 | 2.7.12-1ubuntu0~16.04.1                       | amd64 | Header files and a static library for Python (v2.7)                       |
| ii | python2.7-minimal             | 2.7.12-1ubuntu0~16.04.1                       | amd64 | Minimal subset of the Python language (version 2.7)                       |
| ii | python3                       | 3.5.1-3                                       | amd64 | interactive high-level object-oriented language (default python3 version) |
| ii | python3-apport                | 2.20.1-0ubuntu2.5                             | all   | Python 3 library for Apport crash report handling                         |
| ii | python3-apt                   | 1.1.0~beta1build1                             | amd64 | Python 3 interface to libapt-pkg                                          |
| ii | python3-aptdaemon             | 1.1.1+bzr982-0ubuntu14                        | all   | Python 3 module for the server and client of aptdaemon                    |
| ii | python3-aptdaemon.gtk3widgets | 1.1.1+bzr982-0ubuntu14                        | all   |                                                                           |



Python 3 GTK+ 3 widgets to run an aptdaemon client

|    |                                                          |                                                                  |       |                                               |
|----|----------------------------------------------------------|------------------------------------------------------------------|-------|-----------------------------------------------|
| ii | python3-aptdaemon.pkcompat                               | 1.1.1+bzr982-0ubuntu14                                           | all   | PackageKit                                    |
|    | compatibility for AptDaemon                              |                                                                  |       |                                               |
| ii | python3-blinker                                          | 1.3.dfsg2-1build1                                                | all   | fast, simple object-to-                       |
|    | object and broadcast signaling library                   |                                                                  |       |                                               |
| ii | python3-brlapi                                           | 5.3.1-2ubuntu2.1                                                 | amd64 | Braille display access                        |
|    | via BRLTTY - Python3 bindings                            |                                                                  |       |                                               |
| ii | python3-bs4                                              | 4.4.1-1                                                          | all   | error-tolerant HTML parser                    |
|    | for Python 3                                             |                                                                  |       |                                               |
| ii | python3-cairo                                            | 1.10.0+dfsg-5build1                                              | amd64 | Python 3 bindings for                         |
|    | the Cairo vector graphics library                        |                                                                  |       |                                               |
| ii | python3-cffi-backend                                     | 1.5.2-1ubuntu1                                                   |       |                                               |
|    | amd64                                                    | Foreign Function Interface for Python 3 calling C code - runtime |       |                                               |
| ii | python3-chardet                                          | 2.3.0-2                                                          | all   | universal character encoding                  |
|    | detector for Python3                                     |                                                                  |       |                                               |
| ii | python3-checkbox-support                                 | 0.22-1                                                           | all   | collection of Python                          |
|    | modules used by PlainBox providers                       |                                                                  |       |                                               |
| ii | python3-commandnotfound                                  | 0.3ubuntu16.04.2                                                 | all   | Python 3 bindings                             |
|    | for command-not-found.                                   |                                                                  |       |                                               |
| ii | python3-cryptography                                     | 1.2.3-1ubuntu0.1                                                 | amd64 | Python library                                |
|    | exposing cryptographic recipes and primitives (Python 3) |                                                                  |       |                                               |
| ii | python3-cups                                             | 1.9.73-0ubuntu2                                                  | amd64 | Python3 bindings for                          |
|    | CUPS                                                     |                                                                  |       |                                               |
| ii | python3-cupshelpers                                      | 1.5.7+20160212-0ubuntu2                                          | all   | Python modules for printer configuration with |
|    | CUPS                                                     |                                                                  |       |                                               |
| ii | python3-dbus                                             | 1.2.0-3                                                          | amd64 | simple interprocess                           |
|    | messaging system (Python 3 interface)                    |                                                                  |       |                                               |
| ii | python3-debian                                           | 0.1.27ubuntu2                                                    | all   | Python 3 modules to                           |
|    | work with Debian-related data formats                    |                                                                  |       |                                               |
| ii | python3-defer                                            | 1.0.6-2build1                                                    | all   | Small framework for                           |
|    | asynchronous programming (Python 3)                      |                                                                  |       |                                               |
| ii | python3-distupgrade                                      | 1:16.04.20                                                       | all   | manage release upgrades                       |
| ii | python3-feedparser                                       | 5.1.3-3build1                                                    | all   | Universal Feed Parser for                     |
|    | Python 3                                                 |                                                                  |       |                                               |
| ii | python3-gdbm:amd64                                       | 3.5.1-1                                                          | amd64 | GNU dbm database support for Python 3.x       |
|    | Python 3 bindings for                                    |                                                                  |       |                                               |
| ii | python3-gi                                               | 3.20.0-0ubuntu1                                                  | amd64 | Python 3 bindings for                         |
|    | gobject-introspection libraries                          |                                                                  |       |                                               |
| ii | python3-gi-cairo                                         | 3.20.0-0ubuntu1                                                  | amd64 | Python 3 Cairo                                |
|    | bindings for the GObject library                         |                                                                  |       |                                               |
| ii | python3-guacamole                                        | 0.9.2-1                                                          | all   | framework for creating                        |
|    | command line applications (Python 3)                     |                                                                  |       |                                               |
| ii | python3-html5lib                                         | 0.999-4                                                          | all   | HTML parser/tokenizer                         |
|    | based on the WHATWG HTML5 specification (Python 3)       |                                                                  |       |                                               |
| ii | python3-httplib2                                         | 0.9.1+dfsg-1                                                     | all   | comprehensive                                 |
|    | HTTP client library written for Python3                  |                                                                  |       |                                               |
| ii | python3-idna                                             | 2.0-3                                                            | all   | Python IDNA2008 (RFC                          |

|                                                               |                        |       |                                       |  |
|---------------------------------------------------------------|------------------------|-------|---------------------------------------|--|
| 5891) handling (Python 3)                                     |                        |       |                                       |  |
| ii python3-jinja2                                             | 2.8-1                  | all   | small but fast and easy to use        |  |
| stand-alone template engine                                   |                        |       |                                       |  |
| ii python3-jwt                                                | 1.3.0-1                | all   | Python 3 implementation of            |  |
| JSON Web Token                                                |                        |       |                                       |  |
| ii python3-louis                                              | 2.6.4-2                | all   | Python bindings for liblouis          |  |
| ii python3-lxml                                               | 3.5.0-1build1          | amd64 | pythonic binding for the              |  |
| libxml2 and libxslt libraries                                 |                        |       |                                       |  |
| ii python3-mako                                               | 1.0.3+ds1-1ubuntu1     |       |                                       |  |
| all fast and lightweight templating for the Python 3 platform |                        |       |                                       |  |
| ii python3-markupsafe                                         | 0.23-2build2           | amd64 |                                       |  |
| HTML/XHTML/XML string library for Python 3                    |                        |       |                                       |  |
| ii python3-minimal                                            | 3.5.1-3                | amd64 | minimal subset of the                 |  |
| Python language (default python3 version)                     |                        |       |                                       |  |
| ii python3-oauthlib                                           | 1.0.3-1                | all   | generic, spec-compliant               |  |
| implementation of OAuth for Python3                           |                        |       |                                       |  |
| ii python3-padme                                              | 1.1.1-2                | all   | mostly transparent proxy              |  |
| class for Python 3                                            |                        |       |                                       |  |
| ii python3-pexpect                                            | 4.0.1-1                | all   | Python 3 module for                   |  |
| automating interactive applications                           |                        |       |                                       |  |
| ii python3-pil:amd64                                          | 3.1.2-0ubuntu1         | amd64 | Python Imaging Library (Python3)      |  |
|                                                               |                        |       |                                       |  |
| ii python3-pkg-resources                                      | 20.7.0-1               | all   | Package Discovery and                 |  |
| Resource Access using pkg_resources                           |                        |       |                                       |  |
| ii python3-plainbox                                           | 0.25-1                 | all   | toolkit for software and              |  |
| hardware testing (python3 module)                             |                        |       |                                       |  |
| ii python3-problem-report                                     | 2.20.1-0ubuntu2.5      | all   | Python 3 library to                   |  |
| handle problem reports                                        |                        |       |                                       |  |
| ii python3-ptyprocess                                         | 0.5-1                  | all   | Run a subprocess in a                 |  |
| pseudo terminal from Python 3                                 |                        |       |                                       |  |
| ii python3-pyasn1                                             | 0.1.9-1                | all   | ASN.1 library for Python              |  |
| (Python 3 module)                                             |                        |       |                                       |  |
| ii python3-pyatspi                                            | 2.18.0+dfsg-3          | all   | Assistive Technology Service Provider |  |
| Interface - Python3 bindings                                  |                        |       |                                       |  |
| ii python3-pycurl                                             | 7.43.0-1ubuntu1        | amd64 | Python bindings to                    |  |
| libcurl (Python 3)                                            |                        |       |                                       |  |
| ii python3-pyparsing                                          | 2.0.3+dfsg1-1ubuntu0.1 | all   | Python parsing                        |  |
| module, Python3 package                                       |                        |       |                                       |  |
| ii python3-renderpm:amd64                                     | 3.3.0-1                | amd64 | python low level                      |  |
| render interface                                              |                        |       |                                       |  |
| ii python3-reportlab                                          | 3.3.0-1                | all   | ReportLab library to create           |  |
| PDF documents using Python3                                   |                        |       |                                       |  |
| ii python3-reportlab-accel:amd64                              | 3.3.0-1                | amd64 | C coded extension                     |  |
| accelerator for the ReportLab                                 |                        |       |                                       |  |
| Toolkit                                                       |                        |       |                                       |  |
| ii python3-requests                                           | 2.9.1-3                | all   | elegant and simple HTTP               |  |
| library for Python3, built for human beings                   |                        |       |                                       |  |

|                                                                                           |                                  |       |                              |
|-------------------------------------------------------------------------------------------|----------------------------------|-------|------------------------------|
| ii python3-six<br>library (Python 3 interface)                                            | 1.10.0-3                         | all   | Python 2 and 3 compatibility |
| ii python3-software-properties<br>that you install software from                          | 0.96.20.5                        | all   | manage the repositories      |
| ii python3-speechd<br>Speech Dispatcher                                                   | 0.8.3-1ubuntu3                   | all   | Python interface to          |
| ii python3-systemd<br>systemd                                                             | 231-2build1                      | amd64 | Python 3 bindings for        |
| ii python3-uno<br>Python-UNO bridge                                                       | 1:5.1.4-0ubuntu1                 | amd64 |                              |
| ii python3-update-manager<br>update-manager                                               | 1:16.04.5                        | all   | python 3.x module for        |
| ii python3-urllib3<br>thread-safe connection pooling for Python3                          | 1.13.1-2ubuntu0.16.04.1          | all   | HTTP library with            |
| ii python3-xdg<br>freedesktop.org standards                                               | 0.25-4                           | all   | Python 3 library to access   |
| ii python3-xkit<br>of xorg.conf files (Python 3)                                          | 0.5.0ubuntu2                     | all   | library for the manipulation |
| ii python3-xlsxwriter<br>creating Excel XLSX files                                        | 0.7.3-1                          | all   | Python 3 module for          |
| ii python3.5<br>amd64 Interactive high-level object-oriented language (version 3.5)       | 3.5.2-2ubuntu0~16.04.1           |       |                              |
| ii python3.5-minimal<br>of the Python language (version 3.5)                              | 3.5.2-2ubuntu0~16.04.1           | amd64 | Minimal subset               |
| ii qdbus                                                                                  | 4:4.8.7+dfsg-5ubuntu2            | amd64 | Qt 4 D-Bus tool              |
| ii qml-module-io-thp-pyotherside:amd64<br>Python 3 Bindings for Qt 5 (QML plugin)         | 1.4.0-2                          | amd64 | asynchronous                 |
| ii qml-module-qt-labs-folderlistmodel:amd64<br>folderlistmodel QML module                 | 5.5.1-2ubuntu6                   | amd64 | Qt 5                         |
| ii qml-module-qt-labs-settings:amd64<br>QML module                                        | 5.5.1-2ubuntu6                   | amd64 | Qt 5 settings                |
| ii qml-module-qtfeedback:amd64<br>Feedback<br>QML module                                  | 5.0~git20130529-0ubuntu13        | amd64 | Qt 5                         |
| ii qml-module-qtgraphicaleffects:amd64<br>Graphical Effects module                        | 5.5.1-1ubuntu1                   | amd64 | Qt 5                         |
| ii qml-module-qtquick-layouts:amd64<br>Layouts QML module                                 | 5.5.1-1ubuntu1                   | amd64 | Qt 5 Quick                   |
| ii qml-module-qtquick-window2:amd64<br>window 2 QML module                                | 5.5.1-2ubuntu6                   | amd64 | Qt 5                         |
| ii qml-module-qtquick2:amd64<br>2 QML module                                              | 5.5.1-2ubuntu6                   | amd64 | Qt 5 Qt Quick                |
| ii qml-module-qttest:amd64<br>module                                                      | 5.5.1-2ubuntu6                   | amd64 | Qt 5 test QML                |
| ii qml-module-ubuntu-components:amd64<br>Qt Components for Ubuntu - Components QML plugin | 1.3.1918+16.04.20160404-0ubuntu1 | amd64 |                              |
| ii qml-module-ubuntu-layouts:amd64                                                        |                                  |       |                              |

|                                                             |                                      |                                                 |                                                          |
|-------------------------------------------------------------|--------------------------------------|-------------------------------------------------|----------------------------------------------------------|
| 1.3.1918+16.04.20160404-0ubuntu1                            | amd64                                | Qt Components for Ubuntu - Layouts QML plugin   |                                                          |
| ii qml-module-ubuntu-onlineaccounts:amd64                   | 0.6+16.04.20151106-0ubuntu1          | amd64                                           |                                                          |
| Expose the Online Accounts API to QML applications          |                                      |                                                 |                                                          |
| ii qml-module-ubuntu-performancemetrics:amd64               | 1.3.1918+16.04.20160404-0ubuntu1     | amd64                                           |                                                          |
| Qt Components for Ubuntu - PerformanceMetrics QML plugin    |                                      |                                                 |                                                          |
| ii qml-module-ubuntu-test:amd64                             | 1.3.1918+16.04.20160404-0ubuntu1     | amd64                                           | Qt                                                       |
| Components for Ubuntu - Test QML plugin                     |                                      |                                                 |                                                          |
| ii qml-module-ubuntu-web:amd64                              | 0.23+16.04.20161028-0ubuntu2         | amd64                                           |                                                          |
| Ubuntu web QML module                                       |                                      |                                                 |                                                          |
| ii qmlscene                                                 | 5.5.1-2ubuntu6                       | amd64                                           | Qt 5 QML scene viewer                                    |
| ii qpdf                                                     | 6.0.0-2                              |                                                 |                                                          |
|                                                             | amd64                                | tools for transforming and inspecting PDF files |                                                          |
| ii qt-at-spi:amd64                                          | 0.4.0-3                              | amd64                                           | at-spi accessibility plugin for Qt                       |
| ii qt-at-spi:i386                                           | 0.4.0-3                              | i386                                            | at-spi accessibility plugin for Qt                       |
| ii qtchooser                                                | 52-gae5eeef-2build1~gcc5.2           | amd64                                           | Wrapper to select between Qt development binary versions |
| ii qtcore4-110n                                             | 4:4.8.7+dfsg-5ubuntu2                | all                                             | Qt 4 core module translations                            |
| ii qtdeclarative5-accounts-plugin:amd64                     | 0.6+16.04.20151106-0ubuntu1          | amd64                                           |                                                          |
| transitional dummy package for Online Accounts QML clients  |                                      |                                                 |                                                          |
| ii qtdeclarative5-dev-tools                                 | 5.5.1-2ubuntu6                       |                                                 |                                                          |
|                                                             | amd64                                | Qt 5 declarative development programs           |                                                          |
| ii qtdeclarative5-qtquick2-plugin:amd64                     | 5.5.1-2ubuntu6                       | amd64                                           | transitional                                             |
| dummy package Qt 5 Qt Quick 2 QML module                    |                                      |                                                 |                                                          |
| ii qtdeclarative5-test-plugin:amd64                         | 5.5.1-2ubuntu6                       | amd64                                           | transitional                                             |
| dummy package for Qt 5 test QML module                      |                                      |                                                 |                                                          |
| ii qtdeclarative5-ubuntu-ui-toolkit-plugin                  | 1.3.1918+16.04.20160404-0ubuntu1     | amd64                                           |                                                          |
| Transitional dummy package for Ubuntu UI Toolkit QML plugin |                                      |                                                 |                                                          |
| ii qtdeclarative5-unity-action-plugin:amd64                 | 1.1.0+14.04.20140304-0ubuntu2~gcc5.1 | amd64                                           |                                                          |
| Unity Action QML Components                                 |                                      |                                                 |                                                          |
| ii qttranslations5-110n                                     | 5.5.1-2build1                        | all                                             | translations for Qt 5                                    |
| ii rake                                                     | 10.5.0-2                             |                                                 |                                                          |
|                                                             | all                                  | ruby make-like utility                          |                                                          |
| ii readline-common                                          | 6.3-8ubuntu2                         | all                                             | GNU readline and history libraries, common files         |
| ii remmina                                                  | 1.1.2-3ubuntu1                       | amd64                                           | remote desktop client for GNOME desktop environment      |
| ii remmina-common                                           | 1.1.2-3ubuntu1                       | all                                             | common files for remmina remote desktop client           |
| ii remmina-plugin-rdp                                       | 1.1.2-3ubuntu1                       | amd64                                           | RDP plugin for remmina remote desktop client             |
| ii remmina-plugin-vnc                                       | 1.1.2-3ubuntu1                       | amd64                                           | VNC plugin for remmina remote desktop client             |
| ii rename                                                   | 0.20-4                               |                                                 |                                                          |
|                                                             | all                                  | Perl extension for renaming multiple files      |                                                          |
| ii resolvconf                                               | 1.78ubuntu2                          | all                                             | name server information                                  |

|                               |                                |       |                                                                          |
|-------------------------------|--------------------------------|-------|--------------------------------------------------------------------------|
| handler                       |                                |       |                                                                          |
| ii rkill                      | 0.5-1ubuntu3                   | amd64 | tool for enabling and disabling wireless devices                         |
| ii rhythmbox                  | 3.3-1ubuntu7                   | amd64 | music player and organizer for GNOME                                     |
| ii rhythmbox-data             | 3.3-1ubuntu7                   | all   | data files for rhythmbox                                                 |
| ii rhythmbox-plugin-zeitgeist | 3.3-1ubuntu7                   | all   | zeitgeist plugin for rhythmbox music player                              |
| ii rhythmbox-plugins          | 3.3-1ubuntu7                   | amd64 | plugins for rhythmbox music player                                       |
| ii rsync                      | 3.1.1-3ubuntu1                 | amd64 | fast, versatile, remote (and local) file-copying tool                    |
| ii rsyslog                    | 8.16.0-1ubuntu3                | amd64 | reliable system and kernel logging daemon                                |
| ii rtkit                      | 0.11-4                         | amd64 | Realtime Policy and Watchdog Daemon                                      |
| ii ruby                       | 1:2.3.0+1                      | all   | Interpreter of object-oriented scripting language Ruby (default version) |
| ii ruby-did-you-mean          | 1.0.0-2                        | all   | smart error messages for Ruby > 2.3                                      |
| ii ruby-minitest              | 5.8.4-2                        |       |                                                                          |
| all                           |                                |       | Ruby test tools supporting TDD, BDD, mocking, and benchmarking           |
| ii ruby-net-telnet            | 0.1.1-2                        | all   | telnet client library                                                    |
| ii ruby-power-assert          | 0.2.7-1                        | all   | library showing values of variables and method calls in an expression    |
| ii ruby-test-unit             | 3.1.7-2                        | all   | unit testing framework for Ruby                                          |
| ii ruby2.3                    | 2.3.1-2~16.04                  | amd64 | Interpreter of object-oriented scripting language Ruby                   |
| ii rubygems-integration       | 1.10                           | all   | integration of Debian Ruby packages with Rubygems                        |
| ii s-nail                     | 14.8.6-1                       |       |                                                                          |
|                               | amd64                          |       | feature-rich BSD mail(1)                                                 |
| ii samba-libs:amd64           | 2:4.3.11+dfsg-0ubuntu0.16.04.3 | amd64 | Samba core libraries                                                     |
| ii sane-utils                 | 1.0.26-git20160712-xenial0     | amd64 | API library for scanners -- utilities                                    |
| ii sbsigntool                 | 0.6-0ubuntu10.1                | amd64 | utility for signing and verifying files for UEFI Secure Boot             |
| ii seahorse                   | 3.18.0-2ubuntu1                | amd64 | GNOME front end for GnuPG                                                |
| ii secureboot-db              | 1.1                            | amd64 | Secure Boot updates for DB and DBX                                       |
| ii sed                        | 4.2.2-7                        | amd64 | The GNU sed stream editor                                                |
| ii sensible-utils             | 0.0.9                          | all   | Utilities for sensible alternative selection                             |
| ii session-migration          | 0.2.3                          | amd64 | Tool to migrate in user                                                  |

|                                                                      |                                        |       |                                     |  |
|----------------------------------------------------------------------|----------------------------------------|-------|-------------------------------------|--|
| session settings                                                     |                                        |       |                                     |  |
| ii session-shortcuts<br>logout, and reboot from dash                 | 1.2                                    | all   | Allows you to shutdown,             |  |
| ii sessioninstaller<br>using PackageKit's session DBus API           | 0.20+bzr150-0ubuntu4.1                 | all   | APT based installer                 |  |
| ii sgml-base<br>and SGML catalog file support                        | 1.26+nmu4ubuntu1                       | all   | SGML infrastructure                 |  |
| ii shared-mime-info<br>shared MIME database and spec                 | 1.5-2ubuntu0.1                         | amd64 | FreeDesktop.org                     |  |
| ii shim<br>signed boot loaders under Secure Boot                     | 0.8-0ubuntu2                           | amd64 | boot loader to chain-load           |  |
| ii shim-signed<br>chain-loading bootloader (Microsoft-signed binary) | 1.19~16.04.1+0.8-0ubuntu2              | amd64 | Secure Boot                         |  |
| ii shotwell<br>organizer                                             | 0.22.0+git20160108.r1.f2fb1f7-0ubuntu1 | amd64 | digital photo                       |  |
| ii shotwell-common<br>organizer - common files                       | 0.22.0+git20160108.r1.f2fb1f7-0ubuntu1 | all   | digital photo                       |  |
| ii signon-keyring-extension<br>keyring extension for signond         | 0.6+14.10.20140513-0ubuntu2            | amd64 | GNOME                               |  |
| ii signon-plugin-oauth2<br>Single Signon oauth2 plugin               | 0.23+16.04.20151209-0ubuntu1           | amd64 |                                     |  |
| ii signon-plugin-password<br>Password plugin for Single Sign On      | 8.58+16.04.20151106-0ubuntu1           | amd64 | Plain                               |  |
| ii signon-ui<br>package for signon-ui                                | 0.17+16.04.20151125-0ubuntu1           | all   | Dummy transitional                  |  |
| ii signon-ui-service<br>file for signon-ui                           | 0.17+16.04.20151125-0ubuntu1           | all   | D-Bus service                       |  |
| ii signon-ui-x11<br>UI                                               | 0.17+16.04.20151125-0ubuntu1           | amd64 | Single Sign-on                      |  |
| ii signond<br>framework                                              | 8.58+16.04.20151106-0ubuntu1           | amd64 | Single Sign On                      |  |
| ii simple-scan<br>Utility                                            | 3.20.0-0ubuntu1                        | amd64 | Simple Scanning                     |  |
| ii skype:i386<br>4.3.0.37-1                                          | i386                                   |       | Wherever you are, wherever they are |  |
| ii slack-desktop                                                     | 2.4.2                                  | amd64 | Slack Desktop                       |  |
| ii smartmontools<br>storage systems using S.M.A.R.T.                 | 6.4+svn4214-1                          | amd64 | control and monitor                 |  |
| ii snap-confine<br>apply confinement for snappy apps                 | 2.20.1ubuntu1                          | amd64 | Support executable to               |  |
| ii snapd<br>Ubuntu Core Snappy.                                      | 2.20.1ubuntu1                          | amd64 | Tool to interact with               |  |
| ii snapd-login-service<br>non-root access to snapd                   | 1.2-0ubuntu1.1~xenial                  | amd64 | Daemon to allow                     |  |
| ii sni-qt:amd64<br>0.2.7+15.10.20150729-0ubuntu1                     | amd64                                  |       | indicator support for Qt            |  |
| ii sni-qt:i386<br>for Qt                                             | 0.2.7+15.10.20150729-0ubuntu1          | i386  | indicator support                   |  |

|    |                                       |                               |       |                                                                 |
|----|---------------------------------------|-------------------------------|-------|-----------------------------------------------------------------|
| ii | software-properties-common            | 0.96.20.5                     | all   | manage the repositories that you install software from (common) |
| ii | software-properties-gtk               | 0.96.20.5                     | all   | manage the repositories that you install software from (gtk)    |
| ii | sound-theme-freedesktop               | 0.8-1                         | all   | freedesktop.org sound theme                                     |
| ii | speech-dispatcher                     | 0.8.3-1ubuntu3                | amd64 | Common interface to speech synthesizers                         |
| ii | speech-dispatcher-audio-plugins:amd64 | 0.8.3-1ubuntu3                | amd64 | Speech Dispatcher: Audio output plugins                         |
| ii | sphinx-common                         | 1.3.6-2ubuntu1                | all   | documentation generator for Python projects - common data       |
| ii | sphinx-doc                            | 1.3.6-2ubuntu1                | all   | documentation generator for Python projects - documentation     |
| ii | sphinx-rtd-theme-common               | 0.1.9-1                       | all   | sphinx theme from readthedocs.org (common files)                |
| ii | squashfs-tools                        | 1:4.3-3ubuntu2                | amd64 | Tool to create and append to squashfs filesystems               |
| ii | ssl-cert                              | 1.0.37                        | all   | simple debconf wrapper for OpenSSL                              |
| ii | steam-launcher                        | 1.0.0.54                      | all   | Launcher for the Steam software distribution service            |
| ii | strace                                | 4.11-1ubuntu3                 | amd64 | System call tracer                                              |
| ii | sudo                                  | 1.8.16-0ubuntu1.2             | amd64 | Provide limited super user privileges to specific users         |
| ii | suru-icon-theme                       | 14.04+16.04.20161024-0ubuntu1 | all   | Ubuntu Suru Icon theme                                          |
| ii | swig                                  | 3.0.8-0ubuntu3                | amd64 | Generate scripting interfaces to C/C++ code                     |
| ii | swig3.0                               | 3.0.8-0ubuntu3                | amd64 | Generate scripting interfaces to C/C++ code                     |
| ii | syslinux                              | 3:6.03+dfsg-11ubuntu1         | amd64 | collection of bootloaders (DOS FAT and NTFS bootloader)         |
| ii | syslinux-common                       | 3:6.03+dfsg-11ubuntu1         | all   | collection of bootloaders (common)                              |
| ii | syslinux-legacy                       | 2:3.63+dfsg-2ubuntu8          | amd64 | Bootloader for Linux/i386 using MS-DOS floppies                 |
| ii | sysstat                               | 11.2.0-1ubuntu0.1             | amd64 | system performance tools for Linux                              |
| ii | system-config-printer-common          | 1.5.7+20160212-0ubuntu2       | all   | Printer configuration GUI                                       |
| ii | system-config-printer-gnome           | 1.5.7+20160212-0ubuntu2       | all   | Printer configuration GUI                                       |
| ii | system-config-printer-udev            | 1.5.7+20160212-0ubuntu2       | amd64 | Printer auto-configuration facility based on udev               |
| ii | systemd                               | 229-4ubuntu16                 | amd64 | system and service manager                                      |
| ii | systemd-sysv                          | 229-4ubuntu16                 | amd64 | system and service                                              |

|                                                   |                       |     |       |                                        |
|---------------------------------------------------|-----------------------|-----|-------|----------------------------------------|
| manager - SysV links                              |                       |     |       |                                        |
| ii sysv-rc                                        | 2.88dsf-59.3ubuntu2   |     | all   | System-V-like runlevel                 |
| change mechanism                                  |                       |     |       |                                        |
| ii sysvinit-utils                                 | 2.88dsf-59.3ubuntu2   |     | amd64 | System-V-like utilities                |
| ii t1utils                                        | 1.39-2                |     | amd64 | Collection of simple Type 1            |
| font manipulation programs                        |                       |     |       |                                        |
| ii tar                                            | 1.28-2.1ubuntu0.1     |     | amd64 | GNU version of                         |
| the tar archiving utility                         |                       |     |       |                                        |
| ii tcl                                            | 8.6.0+9               |     | amd64 | Tool Command Language                  |
| (default version) - shell                         |                       |     |       |                                        |
| ii tcl8.6                                         | 8.6.5+dfsg-2          |     | amd64 | Tcl (the Tool Command                  |
| Language) v8.6 - shell                            |                       |     |       |                                        |
| ii tcpd                                           | 7.6.q-25              |     | amd64 | Wietse Venema's TCP                    |
| wrapper utilities                                 |                       |     |       |                                        |
| ii tcpdump                                        | 4.7.4-1ubuntu1        |     | amd64 | command-line network                   |
| traffic analyzer                                  |                       |     |       |                                        |
| ii teamviewer:i386                                | 11.0.57095            |     | i386  | TeamViewer (Remote                     |
| Control Application)                              |                       |     |       |                                        |
| ii telnet                                         | 0.17-40               |     | amd64 | basic telnet client                    |
| ii tex-common                                     |                       |     |       |                                        |
|                                                   | 6.04                  | all |       | common infrastructure for building and |
| installing TeX                                    |                       |     |       |                                        |
| ii tex-gyre                                       | 20150923-1            |     | all   | scalable PostScript and                |
| OpenType fonts based on URW Fonts                 |                       |     |       |                                        |
| ii texlive                                        | 2015.20160320-1       |     | all   | TeX Live: A decent                     |
| selection of the TeX Live packages                |                       |     |       |                                        |
| ii texlive-base                                   | 2015.20160320-1       |     | all   | TeX Live: Essential                    |
| programs and files                                |                       |     |       |                                        |
| ii texlive-binaries                               | 2015.20160222.37495-1 |     | amd64 | Binaries for TeX                       |
| Live                                              |                       |     |       |                                        |
| ii texlive-extra-utils                            | 2015.20160320-1       |     | all   | TeX Live: TeX auxiliary                |
| programs                                          |                       |     |       |                                        |
| ii texlive-font-utils                             |                       |     |       |                                        |
|                                                   | 2015.20160320-1       | all |       | TeX Live: Graphics and font utilities  |
| ii texlive-fonts-recommended                      | 2015.20160320-1       |     | all   | TeX Live:                              |
| Recommended fonts                                 |                       |     |       |                                        |
| ii texlive-fonts-recommended-doc                  | 2015.20160320-1       |     | all   | TeX Live:                              |
| Documentation files for texlive-fonts-recommended |                       |     |       |                                        |
| ii texlive-generic-recommended                    | 2015.20160320-1       |     | all   | TeX Live:                              |
| Generic recommended packages                      |                       |     |       |                                        |
| ii texlive-lang-english                           | 2015.20160223-1       |     | all   | TeX Live: US and UK                    |
| English                                           |                       |     |       |                                        |
| ii texlive-lang-italian                           | 2015.20160223-1       |     | all   | TeX Live: Italian                      |
| ii texlive-latex-base                             |                       |     |       |                                        |
|                                                   | 2015.20160320-1       | all |       | TeX Live: LaTeX fundamental packages   |
| ii texlive-latex-base-doc                         | 2015.20160320-1       |     | all   | TeX Live:                              |
| Documentation files for texlive-latex-base        |                       |     |       |                                        |
| ii texlive-latex-extra                            | 2015.20160320-1       |     | all   | TeX Live: LaTeX                        |



|                                                   |                                  |       |       |                                                             |
|---------------------------------------------------|----------------------------------|-------|-------|-------------------------------------------------------------|
| additional packages                               |                                  |       |       |                                                             |
| ii texlive-latex-extra-doc                        | 2015.20160320-1                  |       | all   | TeX Live:                                                   |
| Documentation files for texlive-latex-extra       |                                  |       |       |                                                             |
| ii texlive-latex-recommended                      | 2015.20160320-1                  |       | all   | TeX Live: LaTeX                                             |
| recommended packages                              |                                  |       |       |                                                             |
| ii texlive-latex-recommended-doc                  | 2015.20160320-1                  |       | all   | TeX Live:                                                   |
| Documentation files for texlive-latex-recommended |                                  |       |       |                                                             |
| ii texlive-pictures                               | 2015.20160320-1                  |       | all   | TeX Live: Graphics, pictures, diagrams                      |
| ii texlive-pictures-doc                           | 2015.20160320-1                  |       | all   | TeX Live:                                                   |
| Documentation files for texlive-pictures          |                                  |       |       |                                                             |
| ii texlive-pstricks                               | 2015.20160320-1                  |       | all   | TeX Live: PSTricks                                          |
| ii texlive-pstricks-doc                           | 2015.20160320-1                  |       | all   | TeX Live:                                                   |
| Documentation files for texlive-pstricks          |                                  |       |       |                                                             |
| ii texlive-science                                | 2015.20160320-1                  |       | all   | TeX Live: Natural and computer sciences                     |
| ii texlive-science-doc                            | 2015.20160320-1                  |       | all   | TeX Live:                                                   |
| Documentation files for texlive-science           |                                  |       |       |                                                             |
| ii texmaker                                       | 4.4.1-1.1                        | amd64 |       | cross-platform LaTeX editor                                 |
| ii texmaker-data                                  | 4.4.1-1.1                        |       | all   | Texmaker LaTeX editor -- arch-independent files             |
| ii thermald                                       | 1.5-2ubuntu2                     |       | amd64 | Thermal monitoring and controlling daemon                   |
| ii thunderbird                                    | 1:45.7.0+build1-0ubuntu0.16.04.1 |       | amd64 | Email, RSS and newsgroup client with integrated spam filter |
| ii thunderbird-gnome-support                      | 1:45.7.0+build1-0ubuntu0.16.04.1 |       | amd64 | Email, RSS and newsgroup client - GNOME support             |
| ii thunderbird-locale-en                          | 1:45.7.0+build1-0ubuntu0.16.04.1 |       | amd64 | English language pack for Thunderbird                       |
| ii thunderbird-locale-en-gb                       | 1:45.7.0+build1-0ubuntu0.16.04.1 |       | all   | Transitional English language pack for Thunderbird          |
| ii thunderbird-locale-en-us                       | 1:45.7.0+build1-0ubuntu0.16.04.1 |       | all   | Transitional English language pack for Thunderbird          |
| ii thunderbird-locale-it                          | 1:45.7.0+build1-0ubuntu0.16.04.1 |       | amd64 | Italian language pack for Thunderbird                       |
| ii time                                           | 1.7-25.1                         |       | amd64 | GNU time program for measuring CPU resource usage           |
| ii tipa                                           | 2:1.3-20                         |       | all   | system for processing phonetic symbols in LaTeX             |
| ii tk                                             | 8.6.0+9                          |       | amd64 | Toolkit for Tcl and X11 (default version) - windowing shell |
| ii tk8.6                                          | 8.6.5-1                          |       | amd64 | Tk toolkit for Tcl and X11 v8.6 - windowing shell           |
| ii tk8.6-blts2.5                                  | 2.5.3+dfsg-3                     |       | amd64 | graphics extension library for Tcl/Tk - library             |
| ii tlp                                            | 0.8-1                            |       | all   | Save battery power on laptops                               |

|                                                                     |                                 |       |                                               |
|---------------------------------------------------------------------|---------------------------------|-------|-----------------------------------------------|
| ii tlp-rdw                                                          | 0.8-1                           | all   | Radio device wizard                           |
| ii toshset<br>laptop hardware interface                             | 1.76-4                          | amd64 | Access much of the Toshiba                    |
| ii totem<br>the GNOME desktop based on GStreamer                    | 3.18.1-1ubuntu4                 | amd64 | Simple media player for                       |
| ii totem-common                                                     | 3.18.1-1ubuntu4                 | all   | Data files for the Totem media player         |
| ii totem-plugins<br>media player                                    | 3.18.1-1ubuntu4                 | amd64 | Plugins for the Totem                         |
| ii traceroute<br>packets over an IPv4/IPv6 network                  | 1:2.0.21-1                      | amd64 | Traces the route taken by                     |
| ii transmission-common<br>BitTorrent client (common files)          | 2.84-3ubuntu3                   | all   | lightweight                                   |
| ii transmission-gtk<br>client (GTK+ interface)                      | 2.84-3ubuntu3                   | amd64 | lightweight BitTorrent                        |
| ii tree<br>tree, in color                                           | 1.7.0-3                         | amd64 | displays an indented directory                |
| ii ttf-ancient-fonts-symbola<br>Unicode 7.0 (transitional package)  | 2.59-1                          | all   | symbolic font providing emoji characters from |
| ii ttf-bitstream-vera<br>free TrueType fonts                        | 1.10-8                          | all   | The Bitstream Vera family of                  |
| ii ttf-ubuntu-font-family<br>sans-serif typeface hinted for clarity | 1:0.83-0ubuntu2                 | all   | Ubuntu Font Family,                           |
| ii tzdata<br>saving time data                                       | 2016j-0ubuntu0.16.04            | all   | time zone and daylight-                       |
| ii ubuntu-artwork<br>and artwork                                    | 1:14.04+16.04.20161024-0ubuntu1 | all   | Ubuntu themes                                 |
| ii ubuntu-core-launcher<br>ubuntu-core<br>(snappy) apps             | 2.20.1ubuntu1                   | amd64 | Launcher for                                  |
| ii ubuntu-desktop<br>system                                         | 1.361                           | amd64 | The Ubuntu desktop                            |
| ii ubuntu-docs                                                      | 16.04.4                         | all   | Ubuntu Desktop Guide                          |
| ii ubuntu-drivers-common<br>additional Ubuntu driver packages       | 1:0.4.17.2                      | amd64 | Detect and install                            |
| ii ubuntu-keyring<br>archive                                        | 2012.05.19                      | all   | GnuPG keys of the Ubuntu                      |
| ii ubuntu-minimal                                                   | 1.361                           | amd64 | Minimal core of Ubuntu                        |
| ii ubuntu-mobile-icons<br>Mobile Icon theme                         | 14.04+16.04.20161024-0ubuntu1   | all   | Ubuntu                                        |
| ii ubuntu-mono<br>14.04+16.04.20161024-0ubuntu1                     | all                             | all   | Ubuntu Mono Icon theme                        |
| ii ubuntu-release-upgrader-core<br>upgrades                         | 1:16.04.20                      | all   | manage release                                |
| ii ubuntu-release-upgrader-gtk<br>upgrades                          | 1:16.04.20                      | all   | manage release                                |
| ii ubuntu-restricted-addons                                         | 23                              | amd64 | Commonly used                                 |

|                                                    |                                               |       |       |                                      |
|----------------------------------------------------|-----------------------------------------------|-------|-------|--------------------------------------|
| restricted packages for Ubuntu                     |                                               |       |       |                                      |
| ii ubuntu-session                                  | 3.18.1.2-1ubuntu1.16.04.2                     |       | all   | Ubuntu session                       |
| ii ubuntu-settings                                 | 15.10.8                                       |       | all   | default settings for the             |
| Ubuntu desktop                                     |                                               |       |       |                                      |
| ii ubuntu-software                                 | 3.20.1+git20161013.0.d77d6cf-0ubuntu2~xenial1 | amd64 |       | Utility                              |
| for browsing, installing,<br>and removing software |                                               |       |       |                                      |
| ii ubuntu-sounds                                   | 0.13                                          |       | all   | Ubuntu's GNOME audio                 |
| theme                                              |                                               |       |       |                                      |
| ii ubuntu-standard                                 | 1.361                                         |       | amd64 | The Ubuntu standard                  |
| system                                             |                                               |       |       |                                      |
| ii ubuntu-system-service                           | 0.3                                           |       | all   | DBus service to set various          |
| system-wide configurations                         |                                               |       |       |                                      |
| ii ubuntu-touch-sounds                             | 15.08                                         |       | all   | sounds for the Ubuntu                |
| Touch image                                        |                                               |       |       |                                      |
| ii ubuntu-ui-toolkit-theme                         | 1.3.1918+16.04.20160404-0ubuntu1              |       | amd64 | Qt                                   |
| Components for Ubuntu - Ubuntu Theme               |                                               |       |       |                                      |
| ii ubuntu-wallpapers                               | 16.04.1-0ubuntu1                              |       | all   | Ubuntu Wallpapers                    |
| ii ubuntu-wallpapers-xenial                        |                                               |       |       |                                      |
|                                                    | 16.04.1-0ubuntu1                              |       | all   | Ubuntu 16.04 Wallpapers              |
| ii ucf                                             | 3.0036                                        |       | all   | Update Configuration File(s):        |
| preserve user changes to config files              |                                               |       |       |                                      |
| ii udev                                            | 229-4ubuntu16                                 |       | amd64 | /dev/ and hotplug                    |
| management daemon                                  |                                               |       |       |                                      |
| ii udisks2                                         | 2.1.7-1ubuntu1                                |       | amd64 | D-Bus service to access              |
| and manipulate storage devices                     |                                               |       |       |                                      |
| ii ufw                                             | 0.35-0ubuntu2                                 |       | all   | program for managing a               |
| Netfilter firewall                                 |                                               |       |       |                                      |
| ii unattended-upgrades                             | 0.90ubuntu0.3                                 |       | all   | automatic installation               |
| of security upgrades                               |                                               |       |       |                                      |
| ii unity                                           |                                               |       |       |                                      |
|                                                    | 7.4.0+16.04.20160906-0ubuntu1                 |       | amd64 | Interface designed for efficiency of |
| space and interaction.                             |                                               |       |       |                                      |
| ii unity-accessibility-profiles                    | 0.1.10-0ubuntu3                               |       | all   | Accessibility Profile                |
| Manager - Unity profile data                       |                                               |       |       |                                      |
| ii unity-asset-pool                                | 0.8.24+15.04.20141217-0ubuntu2                |       | all   | Unity Assets                         |
| Pool                                               |                                               |       |       |                                      |
| ii unity-control-center                            | 15.04.0+16.04.20160705-0ubuntu1               |       | amd64 | utilities to                         |
| configure the GNOME desktop                        |                                               |       |       |                                      |
| ii unity-control-center-faces                      | 15.04.0+16.04.20160705-0ubuntu1               |       | all   | utilities to                         |
| configure the GNOME desktop - faces images         |                                               |       |       |                                      |
| ii unity-control-center-signon                     | 0.1.8+16.04.20160201-0ubuntu1                 |       | amd64 | Unity                                |
| Control Center extension for single signon         |                                               |       |       |                                      |
| ii unity-greeter                                   |                                               |       |       |                                      |
|                                                    | 16.04.2-0ubuntu1                              |       | amd64 | Unity Greeter                        |
| ii unity-gtk-module-common                         | 0.0.0+15.04.20150118-0ubuntu2                 |       | all   | Common                               |
| files for GtkMenuShell D-Bus exporter              |                                               |       |       |                                      |
| ii unity-gtk2-module:amd64                         | 0.0.0+15.04.20150118-0ubuntu2                 |       | amd64 |                                      |

|                                                   |                                  |     |       |                         |
|---------------------------------------------------|----------------------------------|-----|-------|-------------------------|
| GtkMenuShell D-Bus exporter                       |                                  |     |       |                         |
| ii unity-gtk3-module:amd64                        | 0.0.0+15.04.20150118-0ubuntu2    |     | amd64 |                         |
| GtkMenuShell D-Bus exporter                       |                                  |     |       |                         |
| ii unity-lens-applications                        | 7.1.0+16.04.20160701-0ubuntu1    |     | amd64 | Application             |
| lens for unity                                    |                                  |     |       |                         |
| ii unity-lens-files                               | 7.1.0+16.04.20151217-0ubuntu1    |     | amd64 | File lens for           |
| unity                                             |                                  |     |       |                         |
| ii unity-lens-music                               | 6.9.1+16.04-0ubuntu1             |     | amd64 |                         |
| Music lens for unity                              |                                  |     |       |                         |
| ii unity-lens-photos                              | 1.0+14.04.20140318-0ubuntu1      |     | all   | Photos lens for         |
| Unity                                             |                                  |     |       |                         |
| ii unity-lens-video                               | 0.3.15+16.04.20160212.1-0ubuntu1 |     | amd64 | Unity Video             |
| lens                                              |                                  |     |       |                         |
| ii unity-schemas                                  | 7.4.0+16.04.20160906-0ubuntu1    |     | all   | Interface               |
| designed for efficiency of space and interaction. |                                  |     |       |                         |
| ii unity-scope-calculator                         | 0.1+14.04.20140328-0ubuntu1      |     | all   | Calculator              |
| scope for Unity                                   |                                  |     |       |                         |
| ii unity-scope-chromiumbookmarks                  | 0.1+13.10.20130723-0ubuntu1      |     | all   |                         |
| Chromium bookmarks scope for Unity                |                                  |     |       |                         |
| ii unity-scope-colourlovers                       | 0.1+13.10.20130723-0ubuntu1      |     | all   |                         |
| COLOURlovers scope for Unity                      |                                  |     |       |                         |
| ii unity-scope-devhelp                            | 0.1+14.04.20140328-0ubuntu1      | all |       | devhelp scope for Unity |
| devhelp scope for Unity                           |                                  |     |       |                         |
| ii unity-scope-firefoxbookmarks                   | 0.1+13.10.20130809.1-0ubuntu1    |     | all   | Firefox                 |
| bookmarks scope for Unity                         |                                  |     |       |                         |
| ii unity-scope-gdrive                             | 0.9+16.04.20151125-0ubuntu1      |     | all   | Google Drive            |
| scope for Unity                                   |                                  |     |       |                         |
| ii unity-scope-home                               | 6.8.2+16.04.20160212.1-0ubuntu1  |     | amd64 | Home scope              |
| that aggregates results from multiple scopes      |                                  |     |       |                         |
| ii unity-scope-manpages                           | 3.0+14.04.20140324-0ubuntu1      |     | all   | Manual pages            |
| scope for Unity                                   |                                  |     |       |                         |
| ii unity-scope-openclipart                        | 0.1+13.10.20130723-0ubuntu1      |     | all   | OpenClipArt             |
| scope for Unity                                   |                                  |     |       |                         |
| ii unity-scope-texdoc                             | 0.1+14.04.20140328-0ubuntu1      |     |       |                         |
| all    Texdoc scope for Unity                     |                                  |     |       |                         |
| ii unity-scope-tomboy                             | 0.1+13.10.20130723-0ubuntu1      |     | all   | Tomboy scope            |
| for Unity                                         |                                  |     |       |                         |
| ii unity-scope-video-remote                       | 0.3.15+16.04.20160212.1-0ubuntu1 |     | amd64 | Remote                  |
| videos engine                                     |                                  |     |       |                         |
| ii unity-scope-virtualbox                         | 0.1+13.10.20130723-0ubuntu1      |     | all   | VirtualBox              |
| scope for Unity                                   |                                  |     |       |                         |
| ii unity-scope-yelp                               | 0.1+13.10.20130723-0ubuntu1      |     | all   | Help scope for          |
| Unity                                             |                                  |     |       |                         |
| ii unity-scope-zotero                             | 0.1+13.10.20130723-0ubuntu1      |     | all   | Zotero scope for        |
| Unity                                             |                                  |     |       |                         |
| ii unity-scopes-master-default                    | 6.8.2+16.04.20160212.1-0ubuntu1  |     | all   | Home scope              |
| that aggregates results from multiple scopes      |                                  |     |       |                         |
| ii unity-scopes-runner                            |                                  |     |       |                         |

|                           |                                 |       |                                                                |
|---------------------------|---------------------------------|-------|----------------------------------------------------------------|
|                           | 7.1.4+16.04.20160701-0ubuntu1   | all   | desktop runner for misceallenous scopes                        |
| ii unity-services         | 7.4.0+16.04.20160906-0ubuntu1   | amd64 | Services for the Unity interface                               |
| ii unity-settings-daemon  | 15.04.1+16.04.20160701-0ubuntu1 | amd64 | daemon handling the Unity session settings                     |
| ii unity-webapps-common   | 2.4.17+15.10.20150616-0ubuntu2  | all   | Unity WebApp integration scripts                               |
| ii unity-webapps-qml      | 0.1+16.04.20160114-0ubuntu1     | amd64 | Unity Webapps QML component                                    |
| ii unity-webapps-service  | 2.5.0~+16.04.20160201-0ubuntu1  | amd64 | Service for Web Apps integration with the Unity desktop        |
| ii uno-libs3              | 5.1.4-0ubuntu1                  |       |                                                                |
|                           | amd64                           |       | LibreOffice UNO runtime environment -- public shared libraries |
| ii unzip                  | 6.0-20ubuntu1                   | amd64 | De-archiver for .zip files                                     |
| ii update-inetd           | 4.43                            | all   | inetd configuration file updater                               |
| ii update-manager         | 1:16.04.5                       | all   | GNOME application that manages apt updates                     |
| ii update-manager-core    | 1:16.04.5                       | all   | manage release upgrades                                        |
| ii update-notifier        | 3.168.3                         | amd64 | Daemon which notifies about package updates                    |
| ii update-notifier-common | 3.168.3                         |       |                                                                |
|                           | all                             |       | Files shared between update-notifier and other packages        |
| ii upower                 | 0.99.4-2ubuntu0.3               | amd64 | abstraction for power management                               |
| ii upstart                | 1.13.2-0ubuntu21.1              | amd64 | event-based init daemon - essential binaries                   |
| ii ure                    | 5.1.4-0ubuntu1                  | amd64 | LibreOffice UNO runtime environment                            |
| ii ureadahead             | 0.100.0-19                      | amd64 | Read required files in advance                                 |
| ii usb-creator-common     | 0.3.2                           | amd64 | create a startup disk using a CD or disc image (common files)  |
| ii usb-creator-gtk        | 0.3.2                           |       |                                                                |
|                           | amd64                           |       | create a startup disk using a CD or disc image (for GNOME)     |
| ii usb-modeswitch         | 2.2.5+repack0-1ubuntu1          | amd64 | mode switching tool for controlling "flip flop" USB devices    |
| ii usb-modeswitch-data    | 20151101-1                      | all   | mode switching data for usb-modeswitch                         |
| ii usbmuxd                | 1.1.0-2                         | amd64 | USB multiplexor daemon for iPhone and iPod Touch devices       |
| ii usbutils               | 1:007-4                         | amd64 | Linux USB utilities                                            |
| ii util-linux             | 2.27.1-6ubuntu3.2               | amd64 | miscellaneous system utilities                                 |
| ii uuid-runtime           | 2.27.1-6ubuntu3.2               |       |                                                                |
|                           | amd64                           |       | runtime components for the Universally Unique ID library       |
| ii va-driver-all:amd64    | 1.7.0-1                         | amd64 | Video Acceleration (VA) API -- driver metapackage              |
| ii vbetool                | 1.1-3                           | amd64 | run real-mode video BIOS                                       |

|                                                |                              |       |                                        |  |
|------------------------------------------------|------------------------------|-------|----------------------------------------|--|
| code to alter hardware state                   |                              |       |                                        |  |
| ii vdpau-driver-all:amd64                      | 1.1.1-3ubuntu1               | amd64 | Video Decode and                       |  |
| Presentation API for Unix (driver metapackage) |                              |       |                                        |  |
| ii vdpau-va-driver:amd64                       | 0.7.4-5                      | amd64 | VDPAAU-based                           |  |
| backend for VA API                             |                              |       |                                        |  |
| ii vim                                         | 2:7.4.1689-3ubuntu1.2        | amd64 | Vi IMproved -                          |  |
| enhanced vi editor                             |                              |       |                                        |  |
| ii vim-common                                  | 2:7.4.1689-3ubuntu1.2        |       |                                        |  |
| amd64 Vi IMproved - Common files               |                              |       |                                        |  |
| ii vim-runtime                                 | 2:7.4.1689-3ubuntu1.2        | all   | Vi IMproved - Runtime                  |  |
| files                                          |                              |       |                                        |  |
| ii vim-tiny                                    | 2:7.4.1689-3ubuntu1.2        | amd64 | Vi IMproved -                          |  |
| enhanced vi editor - compact version           |                              |       |                                        |  |
| ii vino                                        | 3.8.1-0ubuntu9.1             | amd64 | VNC server for GNOME                   |  |
| ii virtualbox-5.1                              | 5.1.14-112924~Ubuntu~xenial  | amd64 | Oracle VM                              |  |
| VirtualBox                                     |                              |       |                                        |  |
| ii wamerican                                   | 7.1-1                        | all   | American English dictionary            |  |
| words for /usr/share/dict                      |                              |       |                                        |  |
| ii wbritish                                    | 7.1-1                        | all   | British                                |  |
| English dictionary words for /usr/share/dict   |                              |       |                                        |  |
| ii webapp-container                            | 0.23+16.04.20161028-0ubuntu2 | amd64 | Ubuntu web                             |  |
| applications container                         |                              |       |                                        |  |
| ii webbrowser-app                              | 0.23+16.04.20161028-0ubuntu2 | amd64 | Ubuntu web                             |  |
| browser                                        |                              |       |                                        |  |
| ii wget                                        | 1.17.1-1ubuntu1.1            | amd64 | retrieves files from the               |  |
| web                                            |                              |       |                                        |  |
| ii whiptail                                    | 0.52.18-1ubuntu2             | amd64 | Displays user-friendly                 |  |
| dialog boxes from shell scripts                |                              |       |                                        |  |
| ii whois                                       | 5.2.11                       | amd64 | intelligent WHOIS client               |  |
| ii whoopsie                                    | 0.2.52.2                     | amd64 | Ubuntu error tracker                   |  |
| submission                                     |                              |       |                                        |  |
| ii whoopsie-preferences                        | 0.18                         | amd64 | System preferences for error reporting |  |
|                                                |                              |       |                                        |  |
| ii wireless-regdb                              | 2015.07.20-1ubuntu1          | all   | wireless regulatory                    |  |
| database                                       |                              |       |                                        |  |
| ii wireless-tools                              | 30~pre9-8ubuntu1             | amd64 | Tools for                              |  |
| manipulating Linux Wireless Extensions         |                              |       |                                        |  |
| ii witalian                                    | 1.7.6                        | all   | Italian dictionary words for           |  |
| /usr/share/dict/                               |                              |       |                                        |  |
| ii wpasupplicant                               | 2.4-0ubuntu6                 | amd64 | client support for WPA                 |  |
| and WPA2 (IEEE 802.11i)                        |                              |       |                                        |  |
| ii wxcrafter                                   | 2.7-1.xenial                 | amd64 | gui generator plugin for               |  |
| codelite                                       |                              |       |                                        |  |
| ii x11-apps                                    | 7.7+5+nmu1ubuntu1            | amd64 | X applications                         |  |
|                                                |                              |       |                                        |  |
| ii x11-common                                  | 1:7.7+13ubuntu3              | all   | X Window System                        |  |
| (X.Org) infrastructure                         |                              |       |                                        |  |
| ii x11-session-utils                           | 7.7+2                        | amd64 | X session utilities                    |  |

|                                                                |                        |       |                                              |
|----------------------------------------------------------------|------------------------|-------|----------------------------------------------|
| ii x11-utils                                                   | 7.7+3                  | amd64 | X11 utilities                                |
| ii x11-xkb-utils                                               | 7.7+2                  | amd64 | X11 XKB utilities                            |
| ii x11-xserver-utils                                           | 7.7+7                  | amd64 | X server utilities                           |
| ii x11proto-composite-dev<br>extension wire protocol           | 1:0.4.2-2              | all   | X11 Composite                                |
| ii x11proto-core-dev                                           | 7.0.28-2ubuntu1        | all   | X11 core wire protocol and auxiliary headers |
| ii x11proto-damage-dev<br>wire protocol                        | 1:1.2.1-2              | all   | X11 Damage extension                         |
| ii x11proto-dri2-dev<br>protocol                               | 2.8-2                  | all   | X11 DRI2 extension wire                      |
| ii x11proto-fixes-dev<br>wire protocol                         | 1:5.0-2ubuntu2         | all   | X11 Fixes extension                          |
| ii x11proto-gl-dev<br>protocol                                 | 1.4.17-1               | all   | X11 OpenGL extension wire                    |
| ii x11proto-input-dev<br>protocol                              | 2.3.1-1                | all   | X11 Input extension wire                     |
| ii x11proto-kb-dev<br>1.0.7-0ubuntu1                           | all                    |       | X11 XKB extension wire protocol              |
| ii x11proto-randr-dev<br>protocol                              | 1.5.0-1                | all   | X11 RandR extension wire                     |
| ii x11proto-render-dev<br>wire protocol                        | 2:0.11.1-2             | all   | X11 Render extension                         |
| ii x11proto-xext-dev<br>protocol                               | 7.3.0-1                | all   | X11 various extension wire                   |
| ii x11proto-xf86vidmode-dev<br>extension wire protocol         | 2.3.1-2                | all   | X11 Video Mode                               |
| ii x11proto-xinerama-dev<br>wire protocol                      | 1.2.1-2                | all   | X11 Xinerama extension                       |
| ii xauth<br>X authentication utility                           | 1:1.0.9-1ubuntu2       | amd64 |                                              |
| ii xbitmaps                                                    | 1.1.1-2                | all   | Base X bitmaps                               |
| ii xbrlapi<br>blind person using a braille display - xbrlapi   | 5.3.1-2ubuntu2.1       | amd64 | Access software for a                        |
| ii xcursor-themes                                              | 1.0.4-1                | all   | Base X cursor themes                         |
| ii xdg-user-dirs<br>known user directories                     | 0.15-2ubuntu6          | amd64 | tool to manage well                          |
| ii xdg-user-dirs-gtk<br>known user directories (Gtk extension) | 0.10-1ubuntu1          | amd64 | tool to manage well                          |
| ii xdg-utils<br>utilities from freedesktop.org                 | 1.1.1-1ubuntu1.16.04.1 | all   | desktop integration                          |
| ii xdiagnose                                                   | 3.8.4.1                | all   | X.org diagnosis tool                         |
| ii xfonts-base                                                 | 1:1.0.4+nmu1           | all   | standard fonts for X                         |
| ii xfonts-encodings                                            | 1:1.0.4-2              | all   | Encodings for X.Org fonts                    |
| ii xfonts-scalable                                             | 1:1.0.3-1.1            | all   | scalable fonts for X                         |
| ii xfonts-utils<br>utility programs                            | 1:7.7+3                | amd64 | X Window System font                         |
| ii xinit                                                       | 1.3.4-3ubuntu0.1       | amd64 | X server initialisation tool                 |

|    |                                                                                  |       |                                   |       |                                                  |
|----|----------------------------------------------------------------------------------|-------|-----------------------------------|-------|--------------------------------------------------|
| ii | xinput                                                                           | amd64 | 1.6.2-1                           |       | Runtime configuration and test of XInput devices |
| ii | xkb-data<br>(XKB) configuration data                                             |       | 2.16-1ubuntu1                     | all   | X Keyboard Extension                             |
| ii | xml-core<br>XML catalog file support                                             |       | 0.13+nmu2                         | all   | XML infrastructure and                           |
| ii | xorg                                                                             |       | 1:7.7+13ubuntu3                   | amd64 | X.Org X Window System                            |
| ii | xorg-docs-core<br>the X.org X Window System                                      |       | 1:1.7.1-1ubuntu1                  | all   | Core documentation for                           |
| ii | xorg-sgml-doctools<br>X.Org SGML documentation                                   |       | 1:1.11-1                          | all   | Common tools for building                        |
| ii | xserver-common<br>all common files used by various X servers                     |       | 2:1.18.4-0ubuntu0.2               |       |                                                  |
| ii | xserver-xorg                                                                     |       | 1:7.7+13ubuntu3                   | amd64 | X.Org X server                                   |
| ii | xserver-xorg-core<br>core server                                                 |       | 2:1.18.4-0ubuntu0.2               | amd64 | Xorg X server -                                  |
| ii | xserver-xorg-input-all<br>input driver metapackage                               |       | 1:7.7+13ubuntu3                   | amd64 | X.Org X server --                                |
| ii | xserver-xorg-input-evdev<br>evdev input driver                                   |       | 1:2.10.1-1ubuntu2                 | amd64 | X.Org X server --                                |
| ii | xserver-xorg-input-synaptics<br>TouchPad driver for X.Org server                 |       | 1.8.2-1ubuntu3                    | amd64 | Synaptics                                        |
| ii | xserver-xorg-input-vmouse<br>X server -- VMMouse input driver to use with VMWare |       | 1:13.1.0-1ubuntu2                 | amd64 | X.Org                                            |
| ii | xserver-xorg-input-wacom<br>-- Wacom input driver                                |       | 1:0.32.0-0ubuntu3                 | amd64 | X.Org X server                                   |
| ii | xserver-xorg-video-all<br>output driver metapackage                              |       | 1:7.7+13ubuntu3                   | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-amdgpu<br>AMDGPU display driver                               |       | 1.1.0-1                           | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-ati<br>AMD/ATI display driver wrapper                         |       | 1:7.7.0-1                         | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-fbdev<br>fbdev display driver                                 |       | 1:0.4.4-1build5                   | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-intel<br>X.Org X server -- Intel i8xx, i9xx display driver    |       | 2:2.99.917+git20160325-1ubuntu1.2 | amd64 |                                                  |
| ii | xserver-xorg-video-nouveau<br>- Nouveau display driver                           |       | 1:1.0.12-1build2                  | amd64 | X.Org X server -                                 |
| ii | xserver-xorg-video-qxl<br>QXL display driver                                     |       | 0.1.4-3ubuntu3                    | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-radeon<br>AMD/ATI Radeon display driver                       |       | 1:7.7.0-1                         | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-vesa<br>VESA display driver                                   |       | 1:2.3.4-1build2                   | amd64 | X.Org X server --                                |
| ii | xserver-xorg-video-vmware<br>-- VMware display driver                            |       | 1:13.1.0-2ubuntu3                 | amd64 | X.Org X server                                   |
| ii | xterm                                                                            |       | 322-1ubuntu1                      | amd64 | X terminal                                       |



|                      |                              |       |                                                                  |
|----------------------|------------------------------|-------|------------------------------------------------------------------|
| emulator             |                              |       |                                                                  |
| ii xtrans-dev        | 1.3.5-1                      | all   | X transport library                                              |
| (development files)  |                              |       |                                                                  |
| ii xul-ext-ubufox    | 3.2-0ubuntu1                 | all   | Ubuntu modifications for Firefox                                 |
| ii xz-utils          | 5.1.1alpha+20120614-2ubuntu2 | amd64 | XZ-format compression utilities                                  |
| ii yelp              | 3.18.1-1ubuntu4              | amd64 | Help browser for GNOME                                           |
| ii yelp-xsl          | 3.18.1-1                     | all   | XSL stylesheets for the yelp help browser                        |
| ii zeitgeist-core    | 0.9.16-0ubuntu4              | amd64 | event logging framework - engine                                 |
| ii zeitgeist-datahub | 0.9.16-0ubuntu4              | amd64 | event logging framework - passive logging daemon                 |
| ii zenity            | 3.18.1.1-1ubuntu2            | amd64 | Display graphical dialog boxes from shell scripts                |
| ii zenity-common     | 3.18.1.1-1ubuntu2            | all   | Display graphical dialog boxes from shell scripts (common files) |
| ii zip               | 3.0-11                       | amd64 | Archiver for .zip files                                          |
| ii zlib1g:amd64      | 1:1.2.8.dfsg-2ubuntu4        | amd64 | compression library - runtime                                    |
| ii zlib1g:i386       | 1:1.2.8.dfsg-2ubuntu4        | i386  | compression library - runtime                                    |
| ii zlib1g-dev:amd64  | 1:1.2.8.dfsg-2ubuntu4        | amd64 | compression library - development                                |

Found in path(s):

```
* /opt/cola/permits/1847414501_1702138933.17577/0/295b9e165630428509cb78428a3228df-a33984527a42fe4c3a6bea86d6b9a4e91b9b88e7-zip/295b9e165630428509cb78428a3228df-a33984527a42fe4c3a6bea86d6b9a4e91b9b88e7/packages.list
```

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1992 Branko Lankester  
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the

software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

All

Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

| Release        | Derived from | Year      | Owner      | GPL-compatible? (1) |
|----------------|--------------|-----------|------------|---------------------|
| 0.9.0 thru 1.2 |              | 1991-1995 | CWI        | yes                 |
| 1.3 thru 1.5.2 | 1.2          | 1995-1999 | CNRI       | yes                 |
| 1.6            | 1.5.2        | 2000      | CNRI       | no                  |
| 2.0            | 1.6          | 2000      | BeOpen.com | no                  |
| 1.6.1          | 1.6          | 2001      | CNRI       | yes (2)             |
| 2.1            | 2.0+1.6.1    | 2001      | PSF        | no                  |
| 2.0.1          | 2.0+1.6.1    | 2001      | PSF        | yes                 |
| 2.1.1          | 2.1+2.0.1    | 2001      | PSF        | yes                 |
| 2.1.2          | 2.1.1        | 2002      | PSF        | yes                 |
| 2.1.3          | 2.1.2        | 2002      | PSF        | yes                 |
| 2.2 and above  | 2.1.1        | 2001-now  | PSF        | yes                 |

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```

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package compute_test

import (
    "context"

    compute "cloud.google.com/go/compute/apiv1"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
)

func ExampleNewLicenseCodesRESTClient() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    // TODO: Use
    client.
    _ = c
}

func ExampleLicenseCodesClient_Get() {
    ctx := context.Background()
    c, err := compute.NewLicenseCodesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetLicenseCodeRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseCodeRequest.
    }
    resp, err := c.Get(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicenseCodesClient_TestIamPermissions() {
    ctx := context.Background()

```

```

c, err := compute.NewLicenseCodesRESTClient(ctx)
if err != nil {
    // TODO: Handle error.
}
defer c.Close()

req := &computepb.TestIamPermissionsLicenseCodeRequest{
    // TODO: Fill request struct fields.
    // See
    https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseCodeRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
    // TODO: Handle error.
}
//
// TODO: Use resp.
_ = resp
}

```

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```
package compute_test
```

```
import (  
    "context"
```

```
    compute "cloud.google.com/go/compute/apiv1"  
    "google.golang.org/api/iterator"  
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"  
)
```

```
func ExampleNewLicensesRESTClient() {  
    ctx := context.Background()  
    c, err := compute.NewLicensesRESTClient(ctx)  
    if err != nil {
```

```

// TODO: Handle error.
}
defer
c.Close()

// TODO: Use client.
_ = c
}

func ExampleLicensesClient_Delete() {
ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.DeleteLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#DeleteLicenseRequest.
}
resp, err := c.Delete(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func ExampleLicensesClient_Get() {
ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.GetLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetLicenseRequest.
}
resp, err := c.Get(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

```



```

func ExampleLicensesClient_GetIamPolicy()
{
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.GetIamPolicyLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#GetIamPolicyLicenseRequest.
    }
    resp, err := c.GetIamPolicy(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_Insert() {
    ctx := context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }
    defer c.Close()

    req := &computepb.InsertLicenseRequest{
        // TODO: Fill request struct fields.
        // See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#InsertLicenseRequest.
    }
    resp, err := c.Insert(ctx, req)
    if err != nil {
        // TODO: Handle error.
    }
    // TODO: Use resp.
    _ = resp
}

func ExampleLicensesClient_List() {
    ctx :=
    context.Background()
    c, err := compute.NewLicensesRESTClient(ctx)
    if err != nil {
        // TODO: Handle error.
    }

```

```

}
defer c.Close()

req := &computepb.ListLicensesRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#ListLicensesRequest.
}
it := c.List(ctx, req)
for {
resp, err := it.Next()
if err == iterator.Done {
break
}
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
}

func ExampleLicensesClient_SetIamPolicy() {
ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
defer c.Close()

req := &computepb.SetIamPolicyLicenseRequest{
// TODO: Fill request struct fields.
// See https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#SetIamPolicyLicenseRequest.
}
resp, err := c.SetIamPolicy(ctx, req)
if err != nil {
// TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}

func
ExampleLicensesClient_TestIamPermissions() {
ctx := context.Background()
c, err := compute.NewLicensesRESTClient(ctx)
if err != nil {
// TODO: Handle error.
}
}

```

```

defer c.Close()

req := &computepb.TestIamPermissionsLicenseRequest{
    // TODO: Fill request struct fields.
    // See
    https://pkg.go.dev/google.golang.org/genproto/googleapis/cloud/compute/v1#TestIamPermissionsLicenseRequest.
}
resp, err := c.TestIamPermissions(ctx, req)
if err != nil {
    // TODO: Handle error.
}
// TODO: Use resp.
_ = resp
}
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package compute

import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "net/http"
    "net/url"

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"

```

```

"google.golang.org/protobuf/encoding/protojson"
)

var
newLicenseCodesClientHook clientHook

// LicenseCodesCallOptions contains the retry settings for each method of LicenseCodesClient.
type LicenseCodesCallOptions struct {
    Get          []gax.CallOption
    TestIamPermissions []gax.CallOption
}

// internalLicenseCodesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicenseCodesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Get(context.Context, *computepb.GetLicenseCodeRequest, ...gax.CallOption) (*computepb.LicenseCode, error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseCodeRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

// LicenseCodesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently.
// However, fields must not be modified concurrently with method calls.
//
// The LicenseCodes API.
type LicenseCodesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicenseCodesClient

    // The call options for this service.
    CallOptions *LicenseCodesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicenseCodesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicenseCodesClient) setGoogleClientInfo(keyval ...string) {
    c.internalClient.setGoogleClientInfo(keyval...)
}

```

```

}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicenseCodesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

//
// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
// License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
// Marketplace images.
func (c *LicenseCodesClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
// intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicenseCodesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}

// Methods, except Close, may be called concurrently. However,
// fields must not be modified concurrently with method calls.
type licenseCodesRESTClient struct {
    // The http endpoint to connect to.
    endpoint string

    // The http client.
    httpClient *http.Client

    // The x-goog-* metadata to be sent with each request.
    xGoogMetadata metadata.MD
}

// NewLicenseCodesRESTClient creates a new license codes rest client.
//
// The LicenseCodes API.
func NewLicenseCodesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicenseCodesClient, error) {
    clientOpts := append(defaultLicenseCodesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }
}

```

```

c := &licenseCodesRESTClient{
    endpoint: endpoint,
    httpClient: httpClient,
}
c.setGoogleClientInfo()

return &LicenseCodesClient{internalClient: c, CallOptions: &LicenseCodesCallOptions{}}, nil
}

func defaultLicenseCodesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
    internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
    internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
    internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
    internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licenseCodesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go", versionGo()}, keyval...)
kv = append(kv, "gopic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licenseCodesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}

//
// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licenseCodesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Get return a specified license code. License codes are mirrored across all projects that have permissions to read the
License Code. Caution This resource is intended for use only by third-party partners who are creating Cloud
Marketplace images.

```

```

func (c *licenseCodesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseCodeRequest, opts
...gax.CallOption) (*computepb.LicenseCode, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v", req.GetProject(),
req.GetLicenseCode())

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp,
err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }

    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    rsp := &computepb.LicenseCode{}

    if err := unmarshalOptions.Unmarshal(buf, rsp); err != nil {
        return nil, maybeUnknownEnum(err)
    }
    return rsp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is
intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licenseCodesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseCodeRequest, opts ...gax.CallOption)
(*computepb.TestPermissionsResponse, error) {
    marshalOptions := protojson.MarshalOptions{AllowPartial: true}

```

```

body := req.GetTestPermissionsRequestResource()
jsonReq, err := m.Marshal(body)
if
err != nil {
return nil, err
}

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenseCodes/%v/testIamPermissions",
req.GetProject(), req.GetResource())

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.TestPermissionsResponse{}

if err := unm.Unmarshal(buf, rsp); err != nil {
return nil, maybeUnknownEnum(err)
}
return
rsp, nil
}
// Copyright 2021 Google LLC
//

```



```
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// distributed under the License is distributed on an "AS IS" BASIS,
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// limitations under the License.

// Code generated by protoc-gen-go_gapic. DO NOT EDIT.
```

```
package compute
```

```
import (
    "bytes"
    "context"
    "fmt"
    "io/ioutil"
    "math"
    "net/http"
    "net/url"

    gax "github.com/googleapis/gax-go/v2"
    "google.golang.org/api/googleapi"
    "google.golang.org/api/iterator"
    "google.golang.org/api/option"
    "google.golang.org/api/option/internaloption"
    httptransport "google.golang.org/api/transport/http"
    computepb "google.golang.org/genproto/googleapis/cloud/compute/v1"
    "google.golang.org/grpc"
    "google.golang.org/grpc/metadata"
    "google.golang.org/protobuf/encoding/protojson"
    "google.golang.org/protobuf/proto"
)
```

```
var
```

```
    newLicensesClientHook clientHook
```

```
// LicensesCallOptions contains the retry settings for each method of LicensesClient.
```

```
type LicensesCallOptions struct {
    Delete      []gax.CallOption
    Get         []gax.CallOption
    GetIamPolicy []gax.CallOption
    Insert      []gax.CallOption
    List       []gax.CallOption
}
```

```

SetIamPolicy []gax.CallOption
TestIamPermissions []gax.CallOption
}

// internalLicensesClient is an interface that defines the methods available from Google Compute Engine API.
type internalLicensesClient interface {
    Close() error
    setGoogleClientInfo(...string)
    Connection() *grpc.ClientConn
    Delete(context.Context, *computepb.DeleteLicenseRequest, ...gax.CallOption) (*Operation, error)
    Get(context.Context, *computepb.GetLicenseRequest, ...gax.CallOption)
    (*computepb.License, error)
    GetIamPolicy(context.Context, *computepb.GetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
    error)
    Insert(context.Context, *computepb.InsertLicenseRequest, ...gax.CallOption) (*Operation, error)
    List(context.Context, *computepb.ListLicensesRequest, ...gax.CallOption) *LicenseIterator
    SetIamPolicy(context.Context, *computepb.SetIamPolicyLicenseRequest, ...gax.CallOption) (*computepb.Policy,
    error)
    TestIamPermissions(context.Context, *computepb.TestIamPermissionsLicenseRequest, ...gax.CallOption)
    (*computepb.TestPermissionsResponse, error)
}

// LicensesClient is a client for interacting with Google Compute Engine API.
// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with
// method calls.
//
// The Licenses API.
type LicensesClient struct {
    // The internal transport-dependent client.
    internalClient internalLicensesClient

    // The call options for this service.
    CallOptions
    *LicensesCallOptions
}

// Wrapper methods routed to the internal client.

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *LicensesClient) Close() error {
    return c.internalClient.Close()
}

// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *LicensesClient) setGoogleClientInfo(keyval ...string) {

```

```

c.internalClient.setGoogleClientInfo(keyval...)
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *LicensesClient) Connection() *grpc.ClientConn {
    return c.internalClient.Connection()
}

// Delete deletes the specified license. Caution This resource is intended for use only by third-party partners who are
creating Cloud Marketplace images.
func (c *LicensesClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Delete(ctx, req, opts...)
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *LicensesClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    return c.internalClient.Get(ctx, req, opts...)
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *LicensesClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.GetIamPolicy(ctx, req, opts...)
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party
partners who are creating Cloud Marketplace images.
func (c *LicensesClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts ...gax.CallOption)
(*Operation, error) {
    return c.internalClient.Insert(ctx, req, opts...)
}

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
list of publicly-available licenses, use this method to make a request to the respective image project, such as debian-
cloud or windows-cloud. Caution This resource is intended for use only by third-party partners who are creating
Cloud Marketplace images.
func (c *LicensesClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts ...gax.CallOption)
*LicenseIterator {
    return c.internalClient.List(ctx, req, opts...)
}

```

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *LicensesClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts ...gax.CallOption) (*computepb.Policy, error) {
    return c.internalClient.SetIamPolicy(ctx, req, opts...)
}
```

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *LicensesClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    return c.internalClient.TestIamPermissions(ctx, req, opts...)
}
```

// Methods, except Close, may be called concurrently. However, fields must not be modified concurrently with method calls.

```
type licensesRESTClient struct {
    // The http endpoint to connect to.
    endpoint
    string
}
```

// The http client.

```
httpClient *http.Client
```

// The x-goog-\* metadata to be sent with each request.

```
xGoogMetadata metadata.MD
}
```

// NewLicensesRESTClient creates a new licenses rest client.

//

// The Licenses API.

```
func NewLicensesRESTClient(ctx context.Context, opts ...option.ClientOption) (*LicensesClient, error) {
    clientOpts := append(defaultLicensesRESTClientOptions(), opts...)
    httpClient, endpoint, err := httptransport.NewClient(ctx, clientOpts...)
    if err != nil {
        return nil, err
    }
}
```

```
c := &licensesRESTClient{
    endpoint: endpoint,
    httpClient: httpClient,
}
c.setGoogleClientInfo()
```

```
return &LicensesClient{internalClient: c, CallOptions: &LicensesCallOptions{}}, nil
```

```

}

func defaultLicensesRESTClientOptions() []option.ClientOption {
return []option.ClientOption{
    internaloption.WithDefaultEndpoint("https://compute.googleapis.com"),
    internaloption.WithDefaultMTLSEndpoint("https://compute.mtls.googleapis.com"),
    internaloption.WithDefaultAudience("https://compute.googleapis.com/"),
    internaloption.WithDefaultScopes(DefaultAuthScopes()...),
}
}

//
// setGoogleClientInfo sets the name and version of the application in
// the `x-goog-api-client` header passed on each request. Intended for
// use by Google-written clients.
func (c *licensesRESTClient) setGoogleClientInfo(keyval ...string) {
kv := append([]string{"gl-go", versionGo()}, keyval...)
kv = append(kv, "gopic", versionClient, "gax", gax.Version, "rest", "UNKNOWN")
c.xGoogMetadata = metadata.Pairs("x-goog-api-client", gax.XGoogHeader(kv...))
}

// Close closes the connection to the API service. The user should invoke this when
// the client is no longer required.
func (c *licensesRESTClient) Close() error {
// Replace httpClient with nil to force cleanup.
c.httpClient = nil
return nil
}

// Connection returns a connection to the API service.
//
// Deprecated.
func (c *licensesRESTClient) Connection() *grpc.ClientConn {
return nil
}

// Delete deletes the specified license.
// Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Delete(ctx context.Context, req *computepb.DeleteLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

params := url.Values{ }
if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}
}

```

```

baseUrl.RawQuery = params.Encode()

httpReq, err := http.NewRequest("DELETE", baseUrl.String(), nil)
if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp);
err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.Operation{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

// Get returns the specified License resource. Caution This resource is intended for use only by third-party partners
who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Get(ctx context.Context, req *computepb.GetLicenseRequest, opts ...gax.CallOption)
(*computepb.License, error) {
    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v", req.GetProject(), req.GetLicense())

    httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
    if err != nil {

```

```

    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v
:= range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &computepb.License{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// GetIamPolicy gets the access control policy for a resource. May be empty if no such policy or resource exists.
Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) GetIamPolicy(ctx context.Context, req *computepb.GetIamPolicyLicenseRequest,
opts ...gax.CallOption) (*computepb.Policy, error) {
    baseUrl, _
:= url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/getIamPolicy", req.GetProject(),
req.GetResource())

    params := url.Values{}
    if req != nil && req.OptionsRequestedPolicyVersion != nil {
        params.Add("optionsRequestedPolicyVersion", fmt.Sprintf("%v", req.GetOptionsRequestedPolicyVersion()))
    }

```

```

baseUrl.RawQuery = params.Encode()

httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown:
true}
rsp := &computepb.Policy{ }

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// Insert create a License resource in the specified project. Caution This resource is intended for use only by third-
party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) Insert(ctx context.Context, req *computepb.InsertLicenseRequest, opts
...gax.CallOption) (*Operation, error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetLicenseResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }
}

```



```

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses", req.GetProject())

params := url.Values{ }
if req != nil && req.RequestId != nil {
    params.Add("requestId", fmt.Sprintf("%v", req.GetRequestId()))
}

baseUrl.RawQuery = params.Encode()

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if
err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
rsp := &compute.Operation{ }

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
op := &Operation{proto: rsp}
return op, err
}

```

```

// List retrieves the list of licenses available in the specified project. This method does not get any licenses that
// belong to other projects, including licenses attached to publicly-available images, like Debian 9. If you want to get a
// list of publicly-available
// licenses, use this method to make a request to the respective image project, such as debian-cloud or windows-cloud.
// Caution This resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c *licensesRESTClient) List(ctx context.Context, req *computepb.ListLicensesRequest, opts
...gax.CallOption) *LicenseIterator {
    it := &LicenseIterator{}
    req = proto.Clone(req).(*computepb.ListLicensesRequest)
    unmarshalOptions := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    it.InternalFetch = func(pageSize int, pageToken string) ([]*computepb.License, string, error) {
        resp := &computepb.LicensesListResponse{}
        if pageToken != "" {
            req.PageToken = proto.String(pageToken)
        }
        if pageSize > math.MaxInt32 {
            req.MaxResults = proto.Uint32(math.MaxInt32)
        } else if pageSize != 0 {
            req.MaxResults = proto.Uint32(uint32(pageSize))
        }
        baseUrl, _ := url.Parse(c.endpoint)
        baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses",
req.GetProject())

        params := url.Values{}
        if req != nil && req.Filter != nil {
            params.Add("filter", fmt.Sprintf("%v", req.GetFilter()))
        }
        if req != nil && req.MaxResults != nil {
            params.Add("maxResults", fmt.Sprintf("%v", req.GetMaxResults()))
        }
        if req != nil && req.OrderBy != nil {
            params.Add("orderBy", fmt.Sprintf("%v", req.GetOrderBy()))
        }
        if req != nil && req.PageToken != nil {
            params.Add("pageToken", fmt.Sprintf("%v", req.GetPageToken()))
        }
        if req != nil && req.ReturnPartialSuccess != nil {
            params.Add("returnPartialSuccess", fmt.Sprintf("%v", req.GetReturnPartialSuccess()))
        }

        baseUrl.RawQuery = params.Encode()

        httpReq, err := http.NewRequest("GET", baseUrl.String(), nil)
        if err != nil {
            return nil, "", err
        }

```

```

// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}

httpReq.Header["Content-Type"] = []string{"application/json"}
httpRsp, err := c.httpClient.Do(httpReq)
if err !=
nil {
    return nil, "", err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, "", err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if err != nil {
    return nil, "", err
}

unm.Unmarshal(buf, resp)
it.Response = resp
return resp.GetItems(), resp.GetNextPageToken(), nil
}

fetch := func(pageSize int, pageToken string) (string, error) {
    items, nextPageToken, err := it.InternalFetch(pageSize, pageToken)
    if err != nil {
        return "", err
    }
    it.items = append(it.items, items...)
    return nextPageToken, nil
}

it.pageInfo, it.nextFunc = iterator.NewPageInfo(fetch, it.bufLen, it.takeBuf)
it.pageInfo.MaxSize = int(req.GetMaxResults())
it.pageInfo.Token = req.GetPageToken()

return it
}

// SetIamPolicy sets the access control policy on the specified resource. Replaces any existing policy. Caution This
resource is intended for use only by third-party partners who are creating Cloud Marketplace images.
func (c
*IcensesRESTClient) SetIamPolicy(ctx context.Context, req *computepb.SetIamPolicyLicenseRequest, opts
...gax.CallOption) (*computepb.Policy, error) {

```

```

m := protojson.MarshalOptions{ AllowPartial: true }
body := req.GetGlobalSetPolicyRequestResource()
jsonReq, err := m.Marshal(body)
if err != nil {
    return nil, err
}

baseUrl, _ := url.Parse(c.endpoint)
baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/setIamPolicy", req.GetProject(),
req.GetResource())

httpReq, err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
if err != nil {
    return nil, err
}
httpReq = httpReq.WithContext(ctx)
// Set the headers
for k, v := range c.xGoogMetadata {
    httpReq.Header[k] = v
}
httpReq.Header["Content-Type"] = []string{"application/json"}

httpRsp, err := c.httpClient.Do(httpReq)
if err != nil {
    return nil, err
}
defer httpRsp.Body.Close()

if err = googleapi.CheckResponse(httpRsp); err != nil {
    return nil, err
}

buf, err := ioutil.ReadAll(httpRsp.Body)
if
err != nil {
    return nil, err
}

unm := protojson.UnmarshalOptions{ AllowPartial: true, DiscardUnknown: true }
rsp := &computepb.Policy{}

if err := unm.Unmarshal(buf, rsp); err != nil {
    return nil, maybeUnknownEnum(err)
}
return rsp, nil
}

// TestIamPermissions returns permissions that a caller has on the specified resource. Caution This resource is

```

intended for use only by third-party partners who are creating Cloud Marketplace images.

```
func (c *licensesRESTClient) TestIamPermissions(ctx context.Context, req
*computepb.TestIamPermissionsLicenseRequest, opts ...gax.CallOption) (*computepb.TestPermissionsResponse,
error) {
    m := protojson.MarshalOptions{AllowPartial: true}
    body := req.GetTestPermissionsRequestResource()
    jsonReq, err := m.Marshal(body)
    if err != nil {
        return nil, err
    }

    baseUrl, _ := url.Parse(c.endpoint)
    baseUrl.Path += fmt.Sprintf("/compute/v1/projects/%v/global/licenses/%v/testIamPermissions", req.GetProject(),
req.GetResource())

    httpReq,
err := http.NewRequest("POST", baseUrl.String(), bytes.NewReader(jsonReq))
    if err != nil {
        return nil, err
    }
    httpReq = httpReq.WithContext(ctx)
    // Set the headers
    for k, v := range c.xGoogMetadata {
        httpReq.Header[k] = v
    }
    httpReq.Header["Content-Type"] = []string{"application/json"}

    httpRsp, err := c.httpClient.Do(httpReq)
    if err != nil {
        return nil, err
    }
    defer httpRsp.Body.Close()

    if err = googleapi.CheckResponse(httpRsp); err != nil {
        return nil, err
    }

    buf, err := ioutil.ReadAll(httpRsp.Body)
    if err != nil {
        return nil, err
    }

    unmarshal := protojson.UnmarshalOptions{AllowPartial: true, DiscardUnknown: true}
    rsp := &computepb.TestPermissionsResponse{}

    if err := unmarshal(buf, rsp); err != nil {
        return nil, maybeUnknownEnum(err)
    }
}
```

```

return rsp, nil
}

// LicenseIterator manages a stream of *computepb.License.
type LicenseIterator struct {
    items []*computepb.License
    pageInfo *iterator.PageInfo
    nextFunc func() error

    // Response is
    // the raw response for the current page.
    // It must be cast to the RPC response type.
    // Calling Next() or InternalFetch() updates this value.
    Response interface{}

    // InternalFetch is for use by the Google Cloud Libraries only.
    // It is not part of the stable interface of this package.
    //
    // InternalFetch returns results from a single call to the underlying RPC.
    // The number of results is no greater than pageSize.
    // If there are no more results, nextPageToken is empty and err is nil.
    InternalFetch func(pageSize int, pageToken string) (results []*computepb.License, nextPageToken string, err error)
}

// PageInfo supports pagination. See the google.golang.org/api/iterator package for details.
func (it *LicenseIterator) PageInfo() *iterator.PageInfo {
    return it.pageInfo
}

// Next returns the next result. Its second return value is iterator.Done if there are no more
// results. Once Next returns Done, all subsequent calls will return Done.
func (it *LicenseIterator) Next() (*computepb.License,
error) {
    var item *computepb.License
    if err := it.nextFunc(); err != nil {
        return item, err
    }
    item = it.items[0]
    it.items = it.items[1:]
    return item, nil
}

func (it *LicenseIterator) bufLen() int {
    return len(it.items)
}

func (it *LicenseIterator) takeBuf() interface{} {
    b := it.items

```

```
it.items = nil
return b
}
```

# 1.837 genproto-googleapis-rpc 0.0.0-20231127180814-3a041ad873d4

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# 1.838 genproto-googleapis-api 0.0.0-20231127180814-3a041ad873d4

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# 1.839 google-golang-org-genproto 0.0.0-20231127180814-3a041ad873d4

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```
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import (
    dao "github3.cisco.com/ROBOT/infra-utils/golang/nso/dao/impl"
)
type Smart_license struct {
    dao.Dao
    Development_mode bool `json:"development-mode,omitempty"`
}
func (e *Smart_license) GetDevelopment_mode() bool {
    e.Conn_.GET(e)
    return e.Development_mode
}

func (e *Smart_license) SetDevelopment_mode(v bool) {
    e.Development_mode = v
}
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## cw\_ztp\_license\_device.proto

[cwztpsvc-ZtpLicenseDevice](#)

### ZtpLicenseDevice

| Field              | Type     | Label   | Description |
|--------------------|----------|---------|-------------|
| deviceSerialNumber | [string] | #string |             |

## Scalar Value Types

| .proto Type | Notes                                                                                                                                         | C++    | Java   | Python | Go    | C#      | PHP     | Ruby                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------|---------|---------|--------------------------------|
| double      |                                                                                                                                               | double | double | double | float | float64 | double  | float   Float                  |
| float       |                                                                                                                                               | float  | float  | float  | float | float32 | float   | Float                          |
| int32       | Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint32 instead. | int32  | int    | int    | int32 | int     | integer | Bignum or Fixnum (as required) |



| [int64](#) | Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use [sint64](#) instead. | [int64](#) | [long](#) | [int/long](#) | [int64](#) | [long](#) | [integer/string](#) | [Bignum](#) |

| [uint32](#) | Uses variable-length encoding. | [uint32](#) | [int](#) | [int/long](#) | [uint32](#) | [uint](#) | [integer](#) | [Bignum](#) or [Fixnum](#) (as required) |

| [uint64](#) | Uses variable-length encoding. | [uint64](#) | [long](#) | [int/long](#) | [uint64](#) | [ulong](#) | [integer/string](#) | [Bignum](#) or [Fixnum](#) (as required) |

| [sint32](#) | Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int32s. | [int32](#) | [int](#) | [int](#) | [int32](#) | [int](#) | [integer](#) | [Bignum](#) or [Fixnum](#) (as required) |

| [sint64](#) | Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int64s. | [int64](#) | [long](#) | [int/long](#) | [int64](#) | [long](#) | [integer/string](#) | [Bignum](#) |

| [fixed32](#) | Always four bytes. More efficient than [uint32](#) if values are often greater than 2<sup>28</sup>. | [uint32](#) | [int](#) | [int](#) | [uint32](#) | [uint](#) | [integer](#) | [Bignum](#) or [Fixnum](#) (as required) |

| [fixed64](#) | Always eight bytes. More efficient than [uint64](#) if values are often greater than 2<sup>56</sup>. | [uint64](#) | [long](#) | [int/long](#) | [uint64](#) | [ulong](#) | [integer/string](#) | [Bignum](#) |

| [sfixed32](#) | Always four bytes. | [int32](#) | [int](#) | [int](#) | [int32](#) | [int](#) | [integer](#) | [Bignum](#) or [Fixnum](#) (as required) |

| [sfixed64](#) | Always eight bytes. | [int64](#) | [long](#) | [int/long](#) | [int64](#) | [long](#) | [integer/string](#) | [Bignum](#) |

| [bool](#) | | [bool](#) | [boolean](#) | [boolean](#) | [bool](#) | [bool](#) | [boolean](#) | [TrueClass/FalseClass](#) |

| [string](#) | A string must always contain UTF-8 encoded or 7-bit ASCII text. | [string](#) | [String](#) | [str/unicode](#) | [string](#) | [string](#) | [string](#) | [String \(UTF-8\)](#) |

| [bytes](#) | May contain any arbitrary sequence of bytes. | [string](#) | [ByteString](#) | [str](#) | [\[\]byte](#) | [ByteString](#) | [string](#) | [String \(ASCII-8BIT\)](#) |

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## cw\_ztp\_license\_device\_v2.proto

[cwztpsvc-ZtpLicenseDeviceV2](#)

### ZtpLicenseDeviceV2

| Field        | Type              | Label    | Description |
|--------------|-------------------|----------|-------------|
| uuid         | [string](#string) |          |             |
| serialNumber | [string](#string) | repeated |             |
| locationId   | [string](#string) |          |             |

## ## Scalar Value Types

| .proto Type | Notes                                                                                                                                         | C++    | Java   | Python   | Go      | C#     | PHP            | Ruby                           |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|----------|---------|--------|----------------|--------------------------------|
| double      |                                                                                                                                               | double | double | float    | float64 | double | float          | Float                          |
| float       |                                                                                                                                               | float  | float  | float    | float32 | float  | float          | Float                          |
| int32       | Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint32 instead. | int32  | int    | int      | int32   | int    | integer        | Bignum or Fixnum (as required) |
| int64       | Uses variable-length encoding. Inefficient for encoding negative numbers if your field is likely to have negative values, use sint64 instead. | int64  | long   | int/long | int64   | long   | integer/string | Bignum                         |
| uint32      | Uses variable-length encoding.                                                                                                                | uint32 | int    | int/long | uint32  | uint   | integer        | Bignum or Fixnum (as required) |
| uint64      | Uses variable-length encoding.                                                                                                                | uint64 | long   | int/long | uint64  | ulong  | integer/string | Bignum or Fixnum (as required) |
| sint32      | Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int32s.                          | int32  | int    | int      | int32   | int    | integer        | Bignum or Fixnum (as required) |
| sint64      | Uses variable-length encoding. Signed int value. These more efficiently encode negative numbers than regular int64s.                          | int64  | long   | int/long | int64   | long   | integer/string | Bignum                         |
| fixed32     | Always four bytes. More efficient than uint32 if values are often greater than 2 <sup>28</sup> .                                              | uint32 | int    | int      | uint32  | uint   | integer        | Bignum or Fixnum (as required) |
| fixed64     | Always eight bytes. More efficient than uint64 if values are often greater than 2 <sup>56</sup> .                                             | uint64 | long   | int/long | uint64  | ulong  | integer/string | Bignum                         |
| sfixed32    | Always four bytes.                                                                                                                            | int32  | int    | int      | int32   | int    | integer        | Bignum or Fixnum (as required) |
| sfixed64    | Always eight bytes.                                                                                                                           | int64  | long   | int/long | int64   | long   | integer/string | Bignum                         |

```

| <a name="bool" /> bool | | bool | boolean | boolean | bool | bool | boolean | TrueClass/FalseClass
|
| <a name="string" /> string | A string must always contain UTF-8 encoded or 7-bit ASCII text. | string | String |
str/unicode | string | string | string | String (UTF-8) |
| <a name="bytes" /> bytes | May contain any arbitrary sequence of bytes. | string | ByteString | str | []byte |
ByteString | string | String (ASCII-8BIT) |
// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license_device_v2.proto

package cwztpsvc

import (
    fmt "fmt"
    proto "github.com/golang/protobuf/proto"
    math "math"
)

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion3 // please upgrade the proto package

type ZtpLicenseDeviceV2 struct {
    Uuid          string  `protobuf:"bytes,1,opt,name=uuid,proto3" json:"uuid,omitempty"`
    SerialNumber  []string `protobuf:"bytes,2,rep,name=serialNumber,proto3" json:"serialNumber,omitempty"`
    LocationId    string  `protobuf:"bytes,3,opt,name=locationId,proto3" json:"locationId,omitempty"`
    XXX_NoUnkeyedLiteral
    struct{} `json:"- "`
    XXX_unrecognized []byte `json:"- "`
    XXX_sizecache    int32  `json:"- "`
}

func (m *ZtpLicenseDeviceV2) Reset()      { *m = ZtpLicenseDeviceV2{} }
func (m *ZtpLicenseDeviceV2) String() string { return proto.CompactTextString(m) }
func (*ZtpLicenseDeviceV2) ProtoMessage() {}
func (*ZtpLicenseDeviceV2) Descriptor() ([]byte, []int) {
    return fileDescriptor_187379be6b6c9b7c, []int{0}
}

func (m *ZtpLicenseDeviceV2) XXX_Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Unmarshal(m, b)
}

```

```

func (m *ZtpLicenseDeviceV2) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Marshal(b, m, deterministic)
}
func (m *ZtpLicenseDeviceV2) XXX_Merge(src proto.Message) {
    xxx_messageInfo_ZtpLicenseDeviceV2.Merge(m, src)
}
func (m *ZtpLicenseDeviceV2) XXX_Size() int {
    return xxx_messageInfo_ZtpLicenseDeviceV2.Size(m)
}
func (m *ZtpLicenseDeviceV2) XXX_DiscardUnknown() {
    xxx_messageInfo_ZtpLicenseDeviceV2.DiscardUnknown(m)
}

var
xxx_messageInfo_ZtpLicenseDeviceV2 proto.InternalMessageInfo

func (m *ZtpLicenseDeviceV2) GetUuid() string {
    if m != nil {
        return m.Uuid
    }
    return ""
}

func (m *ZtpLicenseDeviceV2) GetSerialNumber() []string {
    if m != nil {
        return m.SerialNumber
    }
    return nil
}

func (m *ZtpLicenseDeviceV2) GetLocationId() string {
    if m != nil {
        return m.LocationId
    }
    return ""
}

func init() {
    proto.RegisterType((*ZtpLicenseDeviceV2)(nil), "cwztpsvc.ZtpLicenseDeviceV2")
}

func init() {
    proto.RegisterFile("cw_ztp_license_device_v2.proto", fileDescriptor_187379be6b6c9b7c)
}

var fileDescriptor_187379be6b6c9b7c = []byte{
    // 219 bytes of a gzipped FileDescriptorProto
    0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x64, 0x8e, 0x4f, 0x4b, 0xc3, 0x40,

```

```

0x10, 0x47, 0x89, 0x15, 0xb1, 0x8b, 0xa7, 0x3d, 0xc5, 0x4b, 0x28, 0x3d, 0xf5, 0x62, 0x16, 0xdb,
0x6f, 0x10, 0xbd, 0x08, 0x62, 0x4b, 0x10, 0x85, 0x5e, 0x96, 0xdd, 0xc9, 0x12, 0x07, 0x36, 0x99,
0x65,
0xff, 0xa4, 0xd0, 0x4f, 0x2f, 0x6e, 0x2d, 0x28, 0xbd, 0x0d, 0x3f, 0xde, 0x3c, 0x1e, 0xab,
0xe0, 0x20, 0x8f, 0xd1, 0x49, 0x8b, 0x60, 0xc6, 0x60, 0x64, 0x67, 0x26, 0x04, 0x23, 0xa7, 0x75,
0xed, 0x3c, 0x45, 0xe2, 0xb7, 0x70, 0x38, 0x46, 0x17, 0x26, 0x58, 0x5a, 0xc6, 0xf7, 0xd1, 0xbd,
0x9e, 0xb8, 0xe7, 0x8c, 0x7d, 0xac, 0x39, 0x67, 0xd7, 0x29, 0x61, 0x57, 0x16, 0x8b, 0x62, 0x35,
0x6f, 0xf3, 0xcd, 0x97, 0xec, 0x2e, 0x18, 0x8f, 0xca, 0xbe, 0xa5, 0x41, 0x1b, 0x5f, 0x5e, 0x2d,
0x66, 0xab, 0x79, 0xfb, 0x6f, 0xe3, 0x15, 0x63, 0x96, 0x40, 0x45, 0xa4, 0xf1, 0xa5, 0x2b, 0x67,
0xf9, 0xfb, 0xcf, 0xd2, 0x38, 0x56, 0x01, 0x0d, 0x35, 0x60, 0x00, 0xaa, 0x3d, 0x69, 0x8a, 0xa7,
0xa0, 0xfa, 0xdc, 0xd3, 0xdc, 0x3f, 0x7d, 0x5e, 0xf6, 0xec, 0x7e, 0x98, 0x5d, 0xb1, 0x7f, 0xec,
0x31, 0x7e, 0x25, 0xbd, 0xf9, 0x15, 0x00, 0x0d, 0xa2, 0xdd, 0x36, 0xdb, 0x77, 0x91, 0x55, 0x0f,
0xca, 0xa1, 0xe8, 0xc9, 0xaa, 0xb1, 0x17, 0x67, 0x9f, 0xbe, 0xc9, 0xfe, 0xcd, 0x77, 0x00, 0x00,
0x00, 0xff, 0xff, 0x66,
0x8d, 0x49, 0xba, 0x12, 0x01, 0x00, 0x00,
}

```

# Protocol Documentation

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## cw\_ztp\_license.proto

<a name="cwztpsvc-ZtpLicense"></a>

### ZtpLicense

| Field       | Type              | Label | Description |
|-------------|-------------------|-------|-------------|
| id          | [int32](#int32)   |       |             |
| status      | [string](#string) |       |             |
| lastUpdated | [int64](#int64)   |       |             |

## ## Scalar Value Types

| .proto Type | Notes | C++ | Java | Python | Go | C# | PHP | Ruby |  
| ----- | ----- | --- | ---- | ----- | -- | -- | --- | ---- |  
| <a name="double" /> double | | double | double | float | float64 | double | float | Float |  
| <a name="float" /> float | | float | float | float | float32 | float | float | Float |  
| <a name="int32" /> int32 | Uses variable-length encoding. Inefficient for encoding  
negative numbers if your field is likely to have negative values, use sint32 instead. | int32 | int | int | int32 | int |  
integer | Bignum or Fixnum (as required) |  
| <a name="int64" /> int64 | Uses variable-length encoding. Inefficient for encoding negative numbers if your field  
is likely to have negative values, use sint64 instead. | int64 | long | int/long | int64 | long | integer/string | Bignum |  
| <a name="uint32" /> uint32 | Uses variable-length encoding. | uint32 | int | int/long | uint32 | uint | integer | Bignum  
or Fixnum (as required) |  
| <a name="uint64" /> uint64 | Uses variable-length encoding. | uint64 | long | int/long | uint64 | ulong | integer/string  
| Bignum or Fixnum (as required) |  
| <a name="sint32" /> sint32 | Uses variable-length encoding. Signed int value. These more efficiently encode  
negative numbers than regular int32s. | int32 | int | int | int32 | int | integer | Bignum or Fixnum (as required) |  
| <a name="sint64" /> sint64 | Uses variable-length encoding.  
Signed int value. These more efficiently encode negative numbers than regular int64s. | int64 | long | int/long | int64  
| long | integer/string | Bignum |  
| <a name="fixed32" /> fixed32 | Always four bytes. More efficient than uint32 if values are often greater than 2<sup>28</sup>.  
| uint32 | int | int | uint32 | uint | integer | Bignum or Fixnum (as required) |  
| <a name="fixed64" /> fixed64 | Always eight bytes. More efficient than uint64 if values are often greater than  
2<sup>56</sup>. | uint64 | long | int/long | uint64 | ulong | integer/string | Bignum |  
| <a name="sfixed32" /> sfixed32 | Always four bytes. | int32 | int | int | int32 | int | integer | Bignum or Fixnum (as  
required) |  
| <a name="sfixed64" /> sfixed64 | Always eight bytes. | int64 | long | int/long | int64 | long | integer/string | Bignum |  
| <a name="bool" /> bool | | bool | boolean | boolean | bool | bool | boolean | TrueClass/FalseClass |  
| <a name="string" /> string | A string must always contain UTF-8 encoded or 7-bit ASCII  
text. | string | String | str/unicode | string | string | string | String (UTF-8) |  
| <a name="bytes" /> bytes | May contain any arbitrary sequence of bytes. | string | ByteString | str | []byte |  
ByteString | string | String (ASCII-8BIT) |  
{  
"swagger": "2.0",  
"info": {



```

"info": {
  "title": "proto/cw_ztp_license_device_v2.proto",
  "version": "version not set"
},
"consumes": [
  "application/json"
],
"produces": [
  "application/json"
],
"paths": {},
"definitions": {
  "protobufAny": {
    "type": "object",
    "properties": {
      "type_url": {
        "type": "string"
      },
      "value": {
        "type": "string",
        "format": "byte"
      }
    }
  }
},
"runtimeError": {
  "type": "object",
  "properties": {
    "error": {
      "type": "string"
    },
    "code": {
      "type": "integer",
      "format": "int32"
    },
    "message": {
      "type": "string"
    },
    "details": {
      "type": "array",
      "items": {
        "$ref": "#/definitions/protobufAny"
      }
    }
  }
}
}
}

```



```

// Code generated by protoc-gen-go. DO NOT EDIT.
// source: cw_ztp_license.proto

package cwztpsvc

import (
    fmt "fmt"
    proto "github.com/golang/protobuf/proto"
    _ "google.golang.org/genproto/googleapis/api/annotations"
    math "math"
)

// Reference imports to suppress errors if they are not otherwise used.
var _ = proto.Marshal
var _ = fmt.Errorf
var _ = math.Inf

// This is a compile-time assertion to ensure that this generated file
// is compatible with the proto package it is being compiled against.
// A compilation error at this line likely means your copy of the
// proto package needs to be updated.
const _ = proto.ProtoPackageIsVersion3 // please upgrade the proto package

type ZtpLicense struct {
    Id          int32   `protobuf:"varint,1,opt,name=id,proto3" json:"id,omitempty"`
    Status      string  `protobuf:"bytes,2,opt,name=status,proto3" json:"status,omitempty"`
    IsLabEnabled bool    `protobuf:"varint,3,opt,name=isLabEnabled,proto3" json:"isLabEnabled,omitempty"`
    LastUpdated int64   `protobuf:"varint,4,opt,name=lastUpdated,proto3" json:"lastUpdated,omitempty"`
    XXX_NoUnkeyedLiteral struct{} `json:"-"`
    XXX_unrecognized []byte  `json:"-"`
    XXX_sizecache   int32   `json:"-"`
}

func (m *ZtpLicense) Reset()      { *m = ZtpLicense{} }
func (m *ZtpLicense) String() string { return proto.CompactTextString(m) }
func (*ZtpLicense) ProtoMessage() {}
func (*ZtpLicense) Descriptor() ([]byte, []int) {
    return fileDescriptor_4e24d0294ce39e81, []int{0}
}

func (m *ZtpLicense) XXX_Unmarshal(b []byte) error {
    return xxx_messageInfo_ZtpLicense.Unmarshal(m, b)
}
func (m *ZtpLicense) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
    return xxx_messageInfo_ZtpLicense.Marshal(b, m, deterministic)
}
func (m *ZtpLicense) XXX_Merge(src proto.Message) {

```

```

xxx_messageInfo_ZtpLicense.Merge(m, src)
}
func (m *ZtpLicense) XXX_Size() int {
return xxx_messageInfo_ZtpLicense.Size(m)
}
func (m *ZtpLicense) XXX_DiscardUnknown()
{
xxx_messageInfo_ZtpLicense.DiscardUnknown(m)
}

var xxx_messageInfo_ZtpLicense proto.InternalMessageInfo

func (m *ZtpLicense) GetId() int32 {
if m != nil {
return m.Id
}
return 0
}

func (m *ZtpLicense) GetStatus() string {
if m != nil {
return m.Status
}
return ""
}

func (m *ZtpLicense) GetIsLabEnabled() bool {
if m != nil {
return m.IsLabEnabled
}
return false
}

func (m *ZtpLicense) GetLastUpdated() int64 {
if m != nil {
return m.LastUpdated
}
return 0
}

func init() {
proto.RegisterType((*ZtpLicense)(nil), "cwztpsvc.ZtpLicense")
}

func init() {
proto.RegisterFile("cw_ztp_license.proto", fileDescriptor_4e24d0294ce39e81)
}

```

```

var fileDescriptor_4e24d0294ce39e81 = []byte{
// 241 bytes of a gzipped FileDescriptorProto
0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x54, 0x8f, 0x4d, 0x4b, 0x03, 0x31,
0x10, 0x86, 0x49, 0xab, 0xa5, 0x46, 0x11, 0x0c, 0x22, 0x8b, 0x88, 0x84, 0x9e, 0xf6, 0xe2, 0x06,
0xe9, 0x3f, 0x58, 0xf1, 0x56, 0x68, 0x09, 0x8a,
0xd0, 0x4b, 0xc9, 0x17, 0x69, 0x20, 0xcd, 0x84,
0x66, 0x6a, 0x61, 0x7f, 0xbd, 0xb4, 0xdb, 0xa2, 0x1e, 0xe7, 0x9d, 0x79, 0x1f, 0x9e, 0xa1, 0xf7,
0x66, 0xbf, 0xea, 0x30, 0xaf, 0x62, 0x30, 0x2e, 0x15, 0xd7, 0xe4, 0x2d, 0x20, 0xb0, 0xb1, 0xd9,
0x77, 0x98, 0xcb, 0xb7, 0x79, 0x7c, 0xf2, 0x00, 0x3e, 0x3a, 0xa1, 0x72, 0x10, 0x2a, 0x25, 0x40,
0x85, 0x01, 0x52, 0xe9, 0xef, 0x26, 0x1d, 0xa5, 0x4b, 0xcc, 0xb3, 0xbe, 0xcb, 0x6e, 0xe9, 0x20,
0xd8, 0x8a, 0x70, 0x52, 0x5f, 0xca, 0x41, 0xb0, 0xec, 0x81, 0x8e, 0x0a, 0x2a, 0xdc, 0x95, 0x6a,
0xc0, 0x49, 0x7d, 0x25, 0x4f, 0x13, 0x9b, 0xd0, 0x9b, 0x50, 0x66, 0x4a, 0xbf, 0x27, 0xa5, 0xa3,
0xb3, 0xd5, 0x90, 0x93, 0x7a, 0x2c, 0xff, 0x65, 0x8c, 0xd3, 0xeb, 0xa8, 0x0a, 0x7e, 0x66, 0xab,
0xd0, 0xd9, 0xea, 0x82, 0x93, 0x7a, 0x28, 0xff, 0x46, 0xed, 0x9a, 0x3e, 0x1b, 0xd8, 0x34, 0x26,
0x14, 0x03, 0xcd, 0x16, 0x34, 0x60, 0x2f, 0xd5, 0x9c, 0xdd, 0xdb, 0xbb, 0xb7, 0xaf, 0x5f, 0xbb,
0xc5, 0x61, 0xb7, 0x20, 0xcb, 0x57, 0x1f, 0x70, 0xbd, 0xd3, 0xd3, 0x53, 0xd1,
0xc0, 0x46, 0xc8,
0x79, 0x3b, 0xff, 0x10, 0x47, 0xc4, 0xcb, 0xe1, 0x4f, 0x0f, 0x51, 0x25, 0x2f, 0xce, 0x1c, 0x3d,
0x3a, 0x72, 0xa7, 0x3f, 0x01, 0x00, 0x00, 0xff, 0xff, 0xf4, 0xb4, 0x37, 0x45, 0x2c, 0x01, 0x00,
0x00,
}
{
"swagger": "2.0",
"info": {
"title": "proto/cw_ztp_license.proto",
"version": "version not set"
},
"consumes": [
"application/json"
],
"produces": [
"application/json"
],
"paths": {},
"definitions": {
"protobufAny": {
"type": "object",
"properties": {
"type_url": {
"type": "string"
},
"value": {
"type": "string",
"format": "byte"
}
}
}
},
"runtimeError": {

```



```

XXX_NoUnkeyedLiteral struct{ } `json:"-`
XXX_unrecognized []byte `json:"-`
XXX_sizecache    int32 `json:"-`
}

func (m *ZtpLicenseDevice)
Reset()      { *m = ZtpLicenseDevice{ } }
func (m *ZtpLicenseDevice) String() string { return proto.CompactTextString(m) }
func (*ZtpLicenseDevice) ProtoMessage() {}
func (*ZtpLicenseDevice) Descriptor() ([]byte, []int) {
return fileDescriptor_4637a3ce942b5232, []int{0}
}

func (m *ZtpLicenseDevice) XXX_Unmarshal(b []byte) error {
return xxx_messageInfo_ZtpLicenseDevice.Unmarshal(m, b)
}
func (m *ZtpLicenseDevice) XXX_Marshal(b []byte, deterministic bool) ([]byte, error) {
return xxx_messageInfo_ZtpLicenseDevice.Marshal(b, m, deterministic)
}
func (m *ZtpLicenseDevice) XXX_Merge(src proto.Message) {
xxx_messageInfo_ZtpLicenseDevice.Merge(m, src)
}
func (m *ZtpLicenseDevice) XXX_Size() int {
return xxx_messageInfo_ZtpLicenseDevice.Size(m)
}
func (m *ZtpLicenseDevice) XXX_DiscardUnknown() {
xxx_messageInfo_ZtpLicenseDevice.DiscardUnknown(m)
}

var xxx_messageInfo_ZtpLicenseDevice proto.InternalMessageInfo

func (m *ZtpLicenseDevice) GetDeviceSerialNumber() string {
if m
!= nil {
return m.DeviceSerialNumber
}
return ""
}

func init() {
proto.RegisterType((*ZtpLicenseDevice)(nil), "cwztpsvc.ZtpLicenseDevice")
}

func init() {
proto.RegisterFile("cw_ztp_license_device.proto", fileDescriptor_4637a3ce942b5232)
}

var fileDescriptor_4637a3ce942b5232 = []byte{

```

```
// 201 bytes of a gzipped FileDescriptorProto
0x1f, 0x8b, 0x08, 0x00, 0x00, 0x00, 0x00, 0x00, 0x02, 0xff, 0x6c, 0xce, 0x31, 0x4b, 0xc7, 0x30,
0x10, 0x05, 0x70, 0xba, 0x88, 0x66, 0x92, 0x2e, 0x8a, 0x8a, 0x88, 0x93, 0x8b, 0x09, 0xf2, 0xff,
0x06, 0xd1, 0x51, 0xfc, 0x97, 0x2a, 0x08, 0x5d, 0x4a, 0x72, 0x86, 0x18, 0x48, 0x73, 0x21, 0xb9,
0xb6, 0xd0, 0x4f, 0x2f, 0x6d, 0xec, 0x22, 0xce, 0xf7, 0xee, 0xf7, 0x1e, 0xbb, 0x86, 0xb9, 0x5f,
0x28, 0xf6, 0xde, 0x81, 0x09, 0xd9, 0xf4, 0x5f, 0x66, 0x72, 0x60, 0x78, 0x4c, 0x48, 0x58, 0x9f,
0xc2, 0xbc, 0x50, 0xcc, 0x13, 0x5c, 0xdd, 0x58, 0x44, 0xeb, 0x8d, 0x50, 0xd1, 0x09, 0x15, 0x02,
0x92, 0x22, 0x87, 0x21, 0x97, 0xdc, 0xbd, 0x64, 0xe7, 0x1d, 0xc5, 0xd7, 0x42,
0xbc, 0x6c, 0x42,
0xcd, 0x59, 0x5d, 0xac, 0x77, 0x93, 0x9c, 0xf2, 0x6f, 0xe3, 0xa0, 0x4d, 0xba, 0xac, 0xee, 0xaa,
0x87, 0xb3, 0xf6, 0x9f, 0x8b, 0x0c, 0xec, 0x16, 0x70, 0xe0, 0xe0, 0x32, 0x20, 0x4f, 0xa8, 0x91,
0x0a, 0xce, 0xf7, 0x0d, 0xf2, 0xe2, 0xf9, 0xf3, 0x6f, 0x4b, 0xb3, 0x26, 0x9a, 0xaa, 0x7b, 0xb2,
0x8e, 0xbe, 0x47, 0x7d, 0xf8, 0x7d, 0x07, 0x1c, 0x44, 0x7b, 0x94, 0xc7, 0x0f, 0xb1, 0x41, 0x8f,
0xeb, 0x6a, 0x8b, 0x5e, 0x05, 0x2b, 0x76, 0x4d, 0x9f, 0x6c, 0xfa, 0xe1, 0x27, 0x00, 0x00, 0xff,
0xff, 0xe7, 0xa2, 0x96, 0xc2, 0x01, 0x01, 0x00, 0x00,
}
```

# 1.842 glibc 2.31-0ubuntu9.14

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## 1.847 prometheus-client-model 0.3.0

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Metadata-Version: 1.1

Name: prometheus-client

Version: 0.5.0

Summary: Python client for the Prometheus monitoring system.

Home-page: [https://github.com/prometheus/client\\_python](https://github.com/prometheus/client_python)

Author: Brian Brazil

Author-email: [brian.brazil@robustperception.io](mailto:brian.brazil@robustperception.io)

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Description: See [https://github.com/prometheus/client\\_python/blob/master/README.md](https://github.com/prometheus/client_python/blob/master/README.md) for documentation.

Keywords: prometheus monitoring instrumentation client

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

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Metadata-Version: 1.1

Name: prometheus\_client

Version: 0.5.0

Summary: Python client for the Prometheus monitoring system.

Home-page: [https://github.com/prometheus/client\\_python](https://github.com/prometheus/client_python)

Author: Brian Brazil

Author-email: [brian.brazil@robustperception.io](mailto:brian.brazil@robustperception.io)

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Description: See [https://github.com/prometheus/client\\_python/blob/master/README.md](https://github.com/prometheus/client_python/blob/master/README.md) for documentation.

Keywords: prometheus monitoring instrumentation client

Platform: UNKNOWN

Classifier: Development Status :: 4 - Beta

Classifier: Intended Audience :: Developers

Classifier: Intended Audience :: Information Technology

Classifier: Intended Audience :: System Administrators

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 :: 3.4  
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 :: System :: Monitoring  
Classifier: License :: OSI Approved :: Apache Software License

Found in path(s):

\* /opt/cola/permits/1866430933\_1702594539.77632/0/prometheus-client-0-5-0-1-tar-gz/prometheus\_client-0.5.0/PKG-INFO

# 1.849 zlib 1.2.13

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# 1.850 grpc-go 1.61.1

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Both were inspired by Twisted

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## 1.852 supervisor 4.2.4

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# 1.853 google-uuid 1.4.0

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Paul Borman <borman@google.com>

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