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

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

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Allbery, Russ
Anderson, Jamie
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Rouillard, John P.
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Sato, Yuichi
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Sanders, Miguel
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Toft, Martin
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Uhl, Robert
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de Vries, Maarten
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Warburton, John
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Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
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Hein, Jochen
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Karvonen, Jorma
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Keeci, Mehmet
Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frederic
Margevius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
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Sendn, Abel
1.2 file-system 3.8-4.el8

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Nmap and the other tools distributed with it. What follows is a
description of each third-party package. At the end of this file is the
license of each. The license of Nmap itself is in the COPYING file.

On all platforms, Nmap is normally linked with:
o libpcap: Network packet capture library. Distributed with Nmap in the
libpcap subdirectory.
   http://www.tcpdump.org/
o libdnet: Networking library, used for low-level tasks such as sending
   ethernet frames. A modified version is distributed with Nmap in the
   libdnet-stripped subdirectory. A summary of Nmap-local modifications
   is in the file NMAP_MODIFICATIONS.
   http://code.google.com/p/libdnet/
o PCRE: Perl-compatible regular expressions. PCRE is part of Nmap's
   version detection and is also made available as an NSE library.
   Distributed with Nmap in the libpcre subdirectory.
   http://www.pcre.org/
o liblua: Lua programming language. Lua is the implementation language
   of NSE, the Nmap Scripting Engine. Nmap links with liblua to allow
   running Lua programs inside Nmap. Distributed with Nmap in the liblua
   subdirectory. liblua can be omitted by configuring with the
   --without-liblua configuration directive.
   http://www.lua.org/
o OpenSSL: Cryptographic library. OpenSSL is used by service detection
   and by NSE to connect to SSL services. NSE also provides access to
   OpenSSL functions such as encryption and digest calculation. OpenSSL
   can be disabled by configuring with the --without-openssl
   configuration directive.
   http://www.openssl.org/
o LIBLINEAR. Used for IPv6 OS classification.
   http://www.csie.ntu.edu.tw/~cjlin/liblinear/
o libsvn. The Subversion library, used by the updater program

On Windows only, Nmap uses:
o WinPcap: libpcap for Windows. The libpcap license applies to WinPcap,
   and it also has its own license. A binary copy of the library is
   distributed with Nmap in the subdirectory mswin32/winpcap.
   http://www.winpcap.org/

Certain Nmap Scripting Engine scripts use the simplified BSD license in
licenses/bsd-simplified.

Zenmap and Ndiff require:
o Python. The binary distributions of Nmap include a Python interpreter
   and various libraries, built using either py2exe or py2app.
   http://www.python.org/
The Windows and Mac OS X binary packages include bundled versions of:

- GLib, GTK+, ATK, Pango: These libraries are licensed under the GNU LGPL 2, a copy of which is in the file licenses/LGPL-2.
  http://www.gtk.org/
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  http://www.cairographics.org/
- libgailutil: Accessibility support for GTK+.
- libpng, jpeg, LibTIFF: Image file format libraries used by GTK+.
- zlib and bzip2: compression libraries.
- Expat: XML parser library.
  http://expat.sourceforge.net/
- fontconfig: font configuration library.
  http://www.fontconfig.org/
- FreeType: font rendering library.
  http://www.freetype.org/
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  http://www.gnu.org/software/gettext/
- libxml2: XML parsing library.
  http://xmlsoft.org/
- SQLite.
  http://www.sqlite.org/
- PyGTK, PyGObject: bindings for Python. Licensed under the GNU LGPL 2.1.
  http://www.pygtk.org/
- PyCairo: bindings for Python. Dual-licensed under the GNU LGPL 2.1 and the MPL 1.1.

The Mac OS binary packages also include:

- Various X.org libraries. These were built using MacPorts.
  http://www.x.org/ http://www.macports.org/

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

Written by: Philip Hazel
Email local part: ph10
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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the Library into a program that is not a library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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1.7 p11-kit-trust 0.23.21-4.el8

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1.8 tirpc 2.3

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(1) rusers (netkit)

rstat_proc.c

(2) krb5

authunix_prot.c
bindresvport.c
cnt_generic.c
cnt_perror.c
cnt_simple.c
get_myaddress.c
getrpcent.c
pmap_getmaps.c
pmap_getport.c
rpc_callmsg.c
rpc_commondata.c
rpc_dtablesizc.c
svc_auth_unix.c
types.hin
xdr_alloc.c
xdr_reference.c

possibly also the following :
include/gssrpc/auth.h

include/gssrpc/auth_unix.h

include/gssrpc/clnt.h
include/gssrpc/netdb.h

include/gssrpc/pmap_clnt.h
include/gssrpc/pmap_prot.h

include/gssrpc/pmap_rmt.h
include/gssrpc/rpc.h

include/gssrpc/rpc_msg.h
include/gssrpc/svc_auth.h
include/gssrpc/svc.h
include/gssrpc/types.h
include/gssrpc/xdr.h
kadmin/server/ovsec_kadmd.c

lib/rpc/auth_none.c
lib/rpc/auth_unix.c

lib/rpc/authunix_prot.c
lib/rpc/bindresvport.c

lib/rpc/clnt_generic.c
lib/rpc/clnt_perror.c

lib/rpc/clnt_raw.c
lib/rpc/clnt_simple.c
lib/rpc/clnt_tcp.c

lib/rpc/clnt_udp.c
lib/rpc/get_myaddress.c

lib/rpc/getrpccent.c
lib/rpc/getrpcpport.c
lib/rpc/pmap_clnt.c

lib/rpc/pmap_getmaps.c
lib/rpc/pmap_getport.c

lib/rpc/pmap_prot2.c
lib/rpc/pmap_prot.c
lib/rpc/pmap_rmt.c

lib/rpc/rpc_callmsg.c
lib/rpc/rpc_commondata.c

lib/rpc/rpc_dtablesize.c
lib/rpc/rpc_prot.c

lib/rpc/svc_auth.c
lib/rpc/svc_auth_unix.c
lib/rpc/svc.c

lib/rpc/svc_raw.c
lib/rpc/svc_run.c
lib/rpc/svc_simple.c
lib/rpc/svc_tcp.c
lib/rpc/svc_udp.c
lib/rpc/unit-test/server.c
lib/rpc/xdr_alloc.c
lib/rpc/xdr_array.c
lib/rpc/xdr.c
lib/rpc/xdr_float.c
lib/rpc/xdr_mem.c
lib/rpc/xdr_rec.c
lib/rpc/xdr_reference.c
lib/rpc/xdr_sizeof.c
lib/rpc/xdr_stdio.c

(3) glibc
auth_des.c
authdes_prot.c
auth.h
auth_none.c
auth_unix.c
auth_unix.h
authuxprot.c
bindrsvprt.c
bootparam_prot.x
clnnt_gen.c
clnnt.h
clnnt_perr.c
clnnt_raw.c
clnnt_simp.c
clnnt_tcp.c
clnnt_udp.c
clnnt_unix.c
des_crypt.c
des_crypt.h
des_soft.c
get_myaddr.c
gerpcport.c
key_call.c
key_prot.c
key_prot.h
key_prot.x
klm_prot.x
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Wim Coekaerts
Senior Vice President
Linux and Virtualization Engineering
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1.32 libmount 2.32.1-26.el8

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1.34 lxml 4.6.2

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

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

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

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

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

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

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

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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.

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1.42 curl 7.66.0 r0

1.42.1 Available under license:

License Mixing

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libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

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1.43 json-c 0.13.1-0.3.el8

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1.44 ethtool 5.2 r0

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1.45 libxcrypt 4.1.1-4.el8

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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
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1.63 pLy 3.11-r0

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# PLY (Python Lex-Yacc) Version 3.11


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Introduction
============

PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========

PLY consists of two files: lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

    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.

```python
# ├── calc.py
#    # A simple calculator with variables.
#    # tokens = (  
#       'NAME','NUMBER',  
#       'PLUS','MINUS','TIMES','DIVIDE','EQUALS',  
#       'LPAREN','RPAREN',  
#     )

def t_NUMBER(t):
    r'^d+
    t.value = int(t.value)
    return t
```
# Ignored characters
t_ignore = " 	"

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

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 \\
    
    p[0] = 0

def p_error(p):
    print("Syntax error at \\
    
import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

Bug Reports and Patches
========================
My goal with PLY is to simply have a decent lex/yacc implementation
for Python. As a general rule, I don't spend huge amounts of time
working on it unless I receive very specific bug reports and/or
patches to fix problems. I also try to incorporate submitted feature
requests and enhancements into each new version. Please visit the PLY
github page at https://github.com/dabeaz/ply to submit issues and pull
requests. To contact me about bugs and/or new features, please send
email to dave@dabeaz.com.

-- Dave

Found in path(s):
* /opt/cola/permits/1184059232_1631086158.54/0/c17572f5243280a80727ee866bc8c2639335192fply-3-11-tar
gz/ply-3.11/README.md
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Metadata-Version: 1.1
Name: ply
Version: 3.11
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD
Description-Content-Type: UNKNOWN

Description:

PLY is yet another implementation of lex and yacc for Python. Some notable features include the fact that its implemented entirely in Python and it uses LALR(1) parsing which is efficient and well suited for larger grammars.

PLY provides most of the standard lex/yacc features including support for empty productions, precedence rules, error recovery, and support for ambiguous grammars.

PLY is extremely easy to use and provides very extensive error checking. It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
Classifier: Programming Language :: Python :: 2

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* /opt/cola/permits/1184059232_1631086158.54/0/c17572f5243280a80727ee866bc8c2639335192fply-3-11-targz/ply-3.11/ply.egg-info/PKG-INFO
* /opt/cola/permits/1184059232_1631086158.54/0/c17572f5243280a80727ee866bc8c2639335192fply-3-11-targz/ply-3.11/PKG-INFO
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 *-----------------------------------------------------------------------------
 * erp_cfg_parser.c - ERP config parser code
 *
 * August 2011
 *
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 * All rights reserved.
 *-----------------------------------------------------------------------------
 */

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/*
 *-----------------------------------------------------------------------------
 * erp_io_pak.c - ERP IO packet handling source file
 *
 * August 2010, Ramachandran Ramanujalu
 *
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 *-----------------------------------------------------------------------------
 */

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/*
 *-----------------------------------------------------------------------------
 * erp_io.c - ERP IO common code
 */
* July 2010, Viet Nguyen
*
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*-----------------------------------------------------------------------------
*/

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* erp_ridb.c
* G.8032 Ring/Instance Database
*
* July 2010, Mark Bilstad
*
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*-----------------------------------------------------------------------------
*/

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* erp_common.c - ERP common code
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#
# erp_ring.zn - Oxide rules file
#
# June 2018, Gangadhara Valluri
#
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#

name: erp_ring;
type: erp_ring_t;
type: erp_instance_t;
type: erp_port_id_t;
type: erp_profile_t;
type: erp_instance_stats_t;
type: erp_port_info_t;
type: erp_l2req_state_t;
type: erp_raps_encap_t;
type: xos_bitlist_handle;
type: xos_list_t;
type: xos_list_element_t;

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/ *
*------------------------------------------------------------------
* erp_ctrl_sm.c
* G.8032 ERP Controller state machine
* *
* July 2010, Viet Nguyen
*
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*------------------------------------------------------------------
*/

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/ *
*---------------------------------------------------------------
* erp_io_ha.c - ERP IO HA common code
* *
* Sep 2010, Ramachandran Ramanujalu
*
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* G.8032 ERP IO state machine
* 
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*--------------------------------------------------------------
*/
/

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/*
*--------------------------------------------------------------
* erp_ctrl.sm - Ethernet Ring Protection Controller state machine
* 
* June 2010, Viet Nguyen
* 
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*--------------------------------------------------------------
*/
/

XOS_SM_EVENTLIST_BEGIN
  XOS_SM_EVENT(init)
  XOS_SM_EVENT(clear)
  XOS_SM_EVENT(fs)
  XOS_SM_EVENT(aps_fs)
  XOS_SM_EVENT(local_sf)
  XOS_SM_EVENT(local_clear_sf)
  XOS_SM_EVENT(aps_sf)
  XOS_SM_EVENT(aps_ms)
  XOS_SM_EVENT(ms)
  XOS_SM_EVENT(wtr_expires)
  XOS_SM_EVENT(wtb_expires)
  XOS_SM_EVENT(aps_nr_rb)
  XOS_SM_EVENT(aps_nr)
  XOS_SM_EVENT(ack)
XOS_SM_EVENTLIST_END
/*
 * State machine states
 * - Init,
 * A_Idle,
 * B_Protection,
 * C_ManualSwitch,
 * D_ForcedSwitch,
 * E_Pending
 */

XOS_SM_STATE_BEGIN(init)
  XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */
  XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_init_ack, E_Pending)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(A_Idle)
  XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_null, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_local_clear_sf, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_ms, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_aps_nr_rb, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, A_Idle) /* wait ack */
  XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_A_Idle_ack, A_Idle)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(B_Protection)
  XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_null, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_local_clear_sf, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_ms, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_aps_nr_rb, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_B_Protection_ack, B_Protection)
XOS_SM_STATE_END
XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */

XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(C_ManualSwitch)
XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_clear, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_local_sf, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_C_ManualSwitch_ack, C_ManualSwitch)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(D_ForcedSwitch)
XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_clear, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_D_ForcedSwitch_ack, D_ForcedSwitch)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(E_Pending)
XOS_SM_TRANSITION(clear, erp_ctrl_sm_action_clear, E_Pending) /* wait ack */
XOS_SM_TRANSITION(fs, erp_ctrl_sm_action_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_ctrl_sm_action_aps_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_ctrl_sm_action_null, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_E_Pending_ack, E_Pending)
XOS_SM_STATE_END
XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_aps_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_ctrl_sm_action_wtr_expires, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_ctrl_sm_action_wtb_expires, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_ctrl_sm_action_aps_nr_rb, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ack, erp_ctrl_sm_action_E_Pending_ack, E_Pending) /* wait ack */
XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

Found in path(s):
* /opt/cola/permits/1210918790_1633473603.25/0/dnf-tar/src/erp_ctrl.sm
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/*
*-----------------------------------------------
* erp_pd_caps_stubs.c - ERP Controller stub file
* 
* July 2010, Ramachandran Ramanujalu
* 
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*-----------------------------------------------
*/

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/*
*-----------------------------------------------
* erp_pdb.h
* G.8032 Profile Database
* 
* July 2010, Mark Bilstad
* 
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* All rights reserved.
*-----------------------------------------------
*/

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* /opt/cola/permits/1210918790_1633473603.25/0/dnf-tar/src/erp_pdb.c
No license file was found, but licenses were detected in source scan.
* C_ManualSwitch,
* D_ForcedSwitch,
* E_Pending
*/

XOS_SM_STATE_BEGIN(init)
    XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */
    XOS_SM_TRANSITION(ack, erp_io_sm_action_init_ack, E_Pending)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(A_Idle)
    XOS_SM_TRANSITION(clear, erp_io_sm_action_null, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(ms, erp_io_sm_action_ms, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, A_Idle) /* wait ack */
    XOS_SM_TRANSITION(ack, erp_io_sm_action_A_Idle_ack, A_Idle)
    XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(B_Protection)
    XOS_SM_TRANSITION(clear, erp_io_sm_action_null, B_Protection)
    XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_local_clear_sf, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(ms, erp_io_sm_action_ms, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, B_Protection) /* wait ack */
    XOS_SM_TRANSITION(ack, erp_io_sm_action_B_Protection_ack, B_Protection)
XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(C_ManualSwitch)
    XOS_SM_TRANSITION(clear, erp_io_sm_action_clear, C_ManualSwitch) /* wait ack */
    XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, C_ManualSwitch) /* wait ack */
    XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, C_ManualSwitch) /* wait ack */
XOS_SM_STATE_END
XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, C_ManualSwitch)
XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, C_ManualSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_io_sm_action_C_ManualSwitch_ack, C_ManualSwitch)
XOS_SM_TRANSITION(init, erp_io_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(D_ForcedSwitch)
XOS_SM_TRANSITION(clear, erp_io_sm_action_clear, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ms, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_null, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, D_ForcedSwitch) /* wait ack */
XOS_SM_TRANSITION(ack, erp_io_sm_action_D_ForcedSwitch_ack, D_ForcedSwitch)
XOS_SM_STATE_END

XOS_SM_STATE_BEGIN(E_Pending)
XOS_SM_TRANSITION(clear, erp_io_sm_action_clear, E_Pending) /* wait ack */
XOS_SM_TRANSITION(fs, erp_io_sm_action_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_fs, erp_io_sm_action_aps_fs, E_Pending) /* wait ack */
XOS_SM_TRANSITION(local_sf, erp_io_sm_action_local_sf, E_Pending) /* wait ack */
XOS_SM_TRANSITION(local_clear_sf, erp_io_sm_action_null, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_sf, erp_io_sm_action_aps_sf, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_aps_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ms, erp_io_sm_action_ms, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtr_expires, erp_io_sm_action_wtr_expires, E_Pending) /* wait ack */
XOS_SM_TRANSITION(wtb_expires, erp_io_sm_action_wtb_expires, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr_rb, erp_io_sm_action_aps_nr_rb, E_Pending) /* wait ack */
XOS_SM_TRANSITION(aps_nr, erp_io_sm_action_aps_nr, E_Pending) /* wait ack */
XOS_SM_TRANSITION(ack, erp_io_sm_action_E_Pending_ack, E_Pending)
XOS_SM_STATE_END
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/*
   *---------------------------------------------------------------------------
   * erp_ctrl_ha.c - ERP Controller HA common code
   *
   * Sep 2010, Ramachandran Ramanujalu
   *
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   * All rights reserved.
   *---------------------------------------------------------------------------
   */

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/*
   *---------------------------------------------------------------------------
   * erp_ctrl.c - ERP Controller common code
   *
   * July 2010, Viet Nguyen
   *
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   *---------------------------------------------------------------------------
   */

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   * /opt/cola/permits/1210918790_1633473603.25/0/dnf-tar/src/erp_ctrl.c

1.67 socat 1.7.3.3 r0
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1.74 sem-h 4.4BSD? via NetBSD

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1.78 libcap 2.26-4.el8

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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, 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.
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All Python releases are Open Source (see http://www.opensource.org
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1.82 python3-pip-wheel 9.0.3-18.el8
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1.84 libnss-nis 3.1+git0+062f31999b-r0

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

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1.86 krb5-libs 1.18.2-8.el8

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```
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
```
kprop/kproplog.c

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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

Open Source Used In IOSXE Releases 17.7.1-images 1088
In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see https://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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

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```
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```

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1.90 pretend 1.0.9-r0

1.90.1 Available under license:
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```
from setuptools import setup

with open("README.rst") as f:
    readme = f.read()

setup(
    version="1.0.9",
    name="pretend",
    description="A library for stubbing in Python",
```
long_description=readme,
author="Alex Gaynor",
author_email="alex.gaynor@gmail.com",
py_modules=["pretend"],
url="https://github.com/alex/pretend",
license="BSD",
classifiers=
[ "Development Status :: 5 - Production/Stable",
  "Intended Audience :: Developers",
  "License :: OSI Approved :: BSD License",
  "Operating System :: OS Independent",
  "Topic :: Software Development :: Testing",
  "Programming Language :: Python :: 2.6",
  "Programming Language :: Python :: 2.7",
  "Programming Language :: Python :: 3.2",
  "Programming Language :: Python :: 3.3",
  "Programming Language :: Python :: 3.4",
  "Programming Language :: Python :: 3.5",
  "Programming Language :: Python :: 3.6",
]
)

Found in path(s):
* /opt/cola/permits/1184058624_1631086010.37/0/ceb14bc6169dc46d3eae2d01888b9810dbec2151pretend-1-0-9-
tar-gz/pretend-1.0.9/setup.py

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.. image:: https://secure.travis-ci.org/alex/pretend.png
   :target: https://travis-ci.org/alex/pretend

Pretend is a library to make stubbing with Python easier.

What is stubbing?
-----------------

Stubbing is a technique for writing tests. You may hear the term mixed up with mocks, fakes, or doubles. Basically a stub is an object that returns pre-canned responses, rather than doing any computation.

Martin Fowler does a good job explaining the terms in his `Mocks Aren't Stubs`_ article.

.. _`Mocks Aren't Stubs`: http://martinfowler.com/articles/mocksArentStubs.html

How do I install ``pretend``?
----------------------------

It's easy with ``pip``!

.. code:: bash

   $ pip install pretend
How do I use `pretend`?

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

It's easy, the `stub` function makes it easy to create a stub:

.. code:: pycon

    >>> from pretend import stub
    >>> x = stub(country_code="US")
    >>> some_function(x)

Here `x` will be an object with a single attribute `country_code` which has the value `'US'`. Unlike mocks, `x` will not respond to any other attribute or methods, nor does it have any methods for making assertions about what you accessed.

If you want to add a method to the stub, simply provide a function to it:

.. code:: pycon

    >>> from pretend import stub
    >>> x = stub(country_code=lambda: "US")
    >>> x.country_code()
    'US'

It's important to note that functions on stubs *do not* take a `self` argument, this is because stubs should be returning pre-canned values, not doing computations.

Exceptions with `pretend`

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

Sometimes a method you want to stub doesn't return a value, but instead raises an exception. To make this easy, `pretend` provides a helper function, `raiser`, it can be used like so:

.. code:: pycon

    >>> from pretend import stub, raiser
    >>> x = stub(func=raiser(ValueError))
    >>> x.func()

    Traceback (most recent call last):
    File "<stdin>", line 1, in <module>
    File "pretend.py", line 74, in inner
    raise exc
    ValueError
Why is stubbing better?

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

Ideally stubbing tests how your system responds to a particular input, rather than which API is used. Stubbing still requires you to write tests that check the results of a computation, rather than looking for side effects. This doesn't always work though, so you do sometimes still need mocking (e.g. sometimes you really want to check for a side effect.)

How do I get my stub into place?

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

If you come from other mocking libraries you're probably used to a ``patch`` method to put a mock in place. ``pretend`` doesn't include anything like this, a) we believe it's better, where possible, to pass stubs as arguments rather than monkey patch them into place, b) we believe that when you do need to monkey patch something into place you should use something provided by your testing tool. ``py.test`` includes `such a tool`.

.. _`such a tool`: http://pytest.org/latest/monkeypatch.html

What if I really need to record the calls?

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

If you really really need to, ``pretend`` includes a ``call_recorder`` utility:

.. code:: pycon

    >>> from pretend import call_recorder, call
    >>> f = call_recorder(lambda a: a + 2)
    >>> f(3)
    5
    >>> assert f.calls == [call(3)]

Who wrote this?

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

``pretend`` is by Alex Gaynor, who was just tired of not having a good stubbing tool for Python. The name is from Idan Gazit.

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
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Classifier: Topic :: Software Development :: Testing
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Classifier: Programming Language :: Python :: 3.4
Classifier: Programming Language :: Python :: 3.5
Classifier: Programming Language :: Python :: 3.6

Found in path(s):
* /opt/cola/permits/1184058624_1631086010.37/0/ceb14bc6169dc46d3eae2d301888b9810dbec2151pretend-1-0-9-tar-gz/pretend-1.0.9/PKG-INFO
* /opt/cola/permits/1184058624_1631086010.37/0/ceb14bc6169dc46d3eae2d301888b9810dbec2151pretend-1-0-9-tar-gz/pretend-1.0.9/pretend.egg-info/PKG-INFO

1.91 python-pip 9.0.3-18.el8
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1.94 iputils 20180629-6.el8

1.94.1 Available under license:

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*------------------------------------------------------------------
* util_ip.c -- miscellaneous ip specific utility routines
* *
* Feb 2008, Hiral mehta
* *
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*------------------------------------------------------------------
*/

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/*
*------------------------------------------------------------------
* ip_parser_macros.h - IP macros moved out of
*/
* sys/parser/macros.h
* November, 2004
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* All rights reserved.
*---------------------------------------------------------------
* */

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/*
*---------------------------------------------------------------
* ipaddress_api.h
* *
* February 2004
*
* All rights reserved.
*---------------------------------------------------------------
*/

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##
## Component "ip":
##
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##

syntax: 1.0.0

# meta-source files found within component 'ip'
group: generic
{
  reg:
    include/reg/ip_15_registry.reg
    include/reg/ip_registry.reg
}
# migrated from file: 'ip/src/src.mk'

```
group: top
{
  includes: $(IOS_SYSROOT)/ion/include $(COMPONENT_ROOT)/posix/include
  # These diagnostic disables are temporary and must be removed
  # after fixing the problems in the source code
  if: compiler == gcc.c4.7
  {
    cflags : -Wno-error=unused-but-set-variable -Wno-error=enum-compare
  }
  sub: ip_parser
  {
    contains:
      src/ip_parser_linkpoints.c
  }
  sub: ip_registry
  {
    contains:
      src/ip_registry.c
  }
  sub: ip_util
  {
    contains:
      src/ip_util.c
  }
}
# end of group: top
```

##

Found in path(s):
* /opt/cola/permits/1210918082_1633472805.7/0/ip-tar/ip/content.lst

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```
/
*-----------------------------------------------
* ip_parser_linkpoints.c - IP related parser linkpoint definitions.
*
* April, 2005
* 
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* 
*-----------------------------------------------
* /
```

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/*---------------------------------------------------------------
 * ip_15_registry.h -- Registration Points for IP_15 support
 *
 * August 2006, Krishna Kumar Maurya
 *
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 * All rights reserved.
 *---------------------------------------------------------------
 * The file ip_registry.reg has been re-factored into 44 different
 * registries to address the 2G problem. The detail regarding the
 * mapping of registries into services is available at
 * /vob/ios.sys1/deprecated/sys/ip/ip_registry_map.txt
 * For further detail regarding the re-factoring of registries,
 * please mail in your queries to dolphins@cisco.com
 */

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/*
 *---------------------------------------------------------------
 * ip_util.h
 *
 * February 2005
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 */

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* /opt/cola/permits/1210918082_1633472805.7/0/ip-tar/ip/expl_path/makefile
* /opt/cola/permits/1210918082_1633472805.7/0/ip-tar/ip/include/reg/ip_15_registry.reg
* /opt/cola/permits/1210918082_1633472805.7/0/ip-tar/ip/makefile
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@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
@author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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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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* compress_lzw.c - generic compress/decompress routines
*
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*
*log: compress_lzw.c, v $ */
* Revision 3.3.62.2 1996/07/10 22:21:52 dstine
* CSCd62471: Superfluous #include files in atalk, atm, os files
* Branch: California_branch
*
* Revision 3.3.62.1 1996/03/18 21:29:18 gstovall
* Branch: California_branch
* Elvis has left the building. He headed out to California, and took the
* port ready changes with him.
*
* Revision 3.3.26.2 1996/03/07 10:18:00 mdb
* Branch: DeadKingOnAThrone_branch
* cisco and ANSI/POSIX libraries.
*
* Revision 3.3.26.1 1996/02/20 16:38:04 dstine
* Branch: DeadKingOnAThrone_branch
* Sync from DeadKingOnAThrone_baseline_960122 to
* DeadKingOnAThrone_baseline_960213
*
* Revision 3.3 1995/11/17 18:46:04 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.2 1995/11/17 00:17:23 gstovall
* Ladies and gentlemen, I introduce to you, the port ready commit.
*
1.107 util-linux 2.32.1-26.el8

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1.109 gevent 1.4.0-r0

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gevent/libuv/_coreffi_source.c
gevent/libuv/_coreffi_cdef.c

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1.110 cyrus-sasl 2.1.0

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

<one line to give the program's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.115 libxcrypt 4.4.8 r0
1.115.1 Available under license:

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Version 2.1, February 1999

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

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

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

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

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

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

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medium customarily used for software interchange.

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source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

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Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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Whether this is true is especially significant if the work can be
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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
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functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
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6. As an exception to the Sections above, you may also combine or
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1.116 gdbm 1.18.1 r0
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the interface presents a list of user commands or options, such as a
menu, a prominent item in the list meets this criterion.


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
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1.117 regex 3.4a

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1.120 python 3.7.8 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, 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
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* $FreeBSD: src/sys/sys/ttydefaults.h,v 1.13.2.1 2001/03/06 03:37:08 jkh Exp $
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1.125 parson 1.0

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/*
 Parson ( http://kgabis.github.com/parson/ )
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*/

#ifndef parson_parson_h
#define parson_parson_h

#ifdef __cplusplus
extern "C"
{
#endif

#include <stddef.h>   /* size_t */

/* Types and enums */
typedef struct json_object_t JSON_Object;
typedef struct json_array_t JSON_Array;
typedef struct json_value_t JSON_Value;
typedef enum json_value_type {
    JSONError = 0,
    JSONNull = 1,
    JSONString = 2,
    JSONObject = 4,
    JSONArray = 5,
    JSONBoolean = 6
} JSON_Value_Type;

/* Parses first JSON value in a file, returns NULL in case of error */
JSON_Value * json_parse_file(const char *filename);

/* Parses first JSON value in a string, returns NULL in case of error */
JSON_Value * json_parse_string(const char *string);

/* JSON Object */
JSON_Value * json_object_get_value (const JSON_Object *object, const char *name);
const char * json_object_get_string (const JSON_Object *object, const char *name);
JSON_Object * json_object_get_object (const JSON_Object *object, const char *name);
JSON_Array * json_object_get_array (const JSON_Object *object, const char *name);
double      json_object_get_number (const JSON_Object *object, const char *name);
int         json_object_get_boolean(const JSON_Object *object, const char *name);

/* dotget functions enable addressing values with dot notation in nested objects,
just like in structs or c++/java/c# objects (e.g. objectA.objectB.value).
Because valid names in JSON can contain dots, some values may be inaccessible this way. */

JSON_Value * json_object_dotget_value (const JSON_Object *object, const char *name);
const char * json_object_dotget_string (const JSON_Object *object, const char *name);
JSON_Object * json_object_dotget_object (const JSON_Object *object, const char *name);
JSON_Array * json_object_dotget_array (const JSON_Object *object, const char *name);
double json_object_dotget_number (const JSON_Object *object, const char *name);
int json_object_dotget_boolean(const JSON_Object *object, const char *name);

/* Functions to get available names */
size_t json_object_get_count(const JSON_Object *object);
const char * json_object_get_name (const JSON_Object *object, size_t index);

/* JSON Array */
JSON_Value * json_array_get_value (const JSON_Array *array, size_t index);
const char * json_array_get_string (const JSON_Array *array, size_t index);
JSON_Object * json_array_get_object (const JSON_Array *array, size_t index);
JSON_Array * json_array_get_array (const JSON_Array *array, size_t index);
double json_array_get_number (const JSON_Array *array, size_t index);
int json_array_get_boolean(const JSON_Array *array, size_t index);
size_t json_array_get_count (const JSON_Array *array);

/* JSON Value */
JSON_Value_Type json_value_get_type (const JSON_Value *value);
JSON_Object * json_value_get_object (const JSON_Value *value);
JSON_Array * json_value_get_array (const JSON_Value *value);
const char * json_value_get_string (const JSON_Value *value);
double json_value_get_number (const JSON_Value *value);
int json_value_get_boolean(const JSON_Value *value);
void json_value_free (JSON_Value *value);

#elifdef __cplusplus
}
#endif

1.126 jansson 2.12 r0

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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.)
@end enumerate

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@item
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1.133 strace 5.3 r0

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Version 2.1, February 1999

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>>> freebsd-base64-4.8
>>> unicode-5.0

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base64.c -- routines to encode/decode base64 data
$OpenLDAP: pkg/ldap/libraries/liblutil/base64.c,v 1.15 2006/01/03 22:12:11 kurt Exp $ /
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>>> unicode-5.0

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

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///

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

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

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1.143 log-rotate 3.14.0-4.el8

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

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

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

c) Accompany the work with a written offer, valid for at least
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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
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e) Verify that the user has already received a copy of these
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reproducing the executable from it. However, as a special exception,
the materials to be distributed need not include anything that is
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which the executable runs, unless that component itself accompanies
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dns.c - Recursive, Reentrant DNS Resolver.

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*                                                                     *
***********************************************************************

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_________________________________________________________________

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1.158 pcap-bpf-h 1.34
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* @(#) SHeader: /tcpdump/master/libpcap/pcap-bpf.h,v 1.34 2005/02/08 20:03:15 guy Exp $ (LBL)
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1.161 python-requests 2.23.0 r0

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1.162 screen 4.6.2 r0

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structure layouts and accessors, and small macros and small inline
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<one line to give the library's name and a brief idea of what it does.>
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Also add information on how to contact you by electronic and paper mail.

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

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

That's all there is to it!

1.166 expat 2.2.5-4.el8

1.166.1 Available under license:

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1.167 iproute 5.9.0-1.el8
1.167.1 Available under license:

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

/*
 * exec_debug_routemapapi.h -- Debugging for Route-map API
 * May 2003, Tanya Shastri
 * All rights reserved.
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/include/exec_debug_routemapapi.h

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

/*
 * protofltr_public.h
 * Routing protocol filter manager Public API definitions
 * Dec 2008, Mercia Zheng
 * Copyright (c) 2008-2009 by cisco Systems, Inc.
 * All rights reserved.
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/protofltr_public.h

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

/ * $Id$
 * $Source$
 */

* Registry for IP routing infrastructure in ION
 * September 2001, Fan Kong
 * All rights reserved.
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/iprouting_registry.h
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* router_topology_registry.c
*
* Router topology registry.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/router_topology_registry.c
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* routemap_api.h -- Dynamic routemap API definitions.
*
* May 2003, Tanya Shastri
*
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/routemap_api.h
No license file was found, but licenses were detected in source scan.

/* $Id$
* $Source$
*------------------------------------------------------------------
* Parse chains for router Address Family mode
*
* June 2002, Donnie Savage
*
All rights reserved.

router_af_parse_blob.c

Address family submode command - proxy EOLs

May 2002, Victor Kamensky

Copyright (c) 2002-2005, 2007-2009 by cisco Systems, Inc.

All Rights Reserved

IP routing interface commands that must be after the encapsulation command

in NV order.

May 1994, Derek Yeung


All rights reserved.

IP routing interface commands that must be after the encapsulation command

in NV order.


All rights reserved.
* Remove old entries from the RCS header logs.

* Revision 3.1 1995/11/09 12:04:31 shaker
* Bump version numbers from 2.x to 3.x.
  
* Revision 2.2 1995/08/04 03:07:45 dstine
* CSCdi37681: Need event logging for EIGRP

* Revision 2.1 1995/07/01 12:15:32 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting

* Revision 2.1 1995/06/07 22:05:27 hampton
* Bump version numbers from 1.x to 2.x.

*------------------------------------------------------------------
* $Endlog$
*="/"

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_int_ip2_routing.h
No license file was found, but licenses were detected in source scan.

ﾉ/
*------------------------------------------------------------------
* ip_prefixlist_ion.h - IP Prefix Lists support for ION
* 
* June 2002, Siva Yaragalla
* 
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/ip_prefixlist_ion.h
No license file was found, but licenses were detected in source scan.

ﾉ/* $Id$
* $Source$
*------------------------------------------------------------------
* Address Family configuration mode commands.
* 
* April 1998, Bob Thomas
* 
* Copyright (c) 1998-1999, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
* -------------------------------------------------------------
* $Endlog$
*
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_af_mode.h
No license file was found, but licenses were detected in source scan.

/*
*-------------------------------------------------------------
* routemap_ios_blob.c -- Route map support routines that can be shared
* by RP and VIP/LC
* *
* October 14, 2001  Siva Yaragalla
* *
* Copyright (c) 2001-2020 by cisco Systems, Inc.
* All rights reserved.
*-------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_blob.c
No license file was found, but licenses were detected in source scan.

/* $Id$
* $Source$
*-------------------------------------------------------------
* cfg_router_validate.h
* *
* Nob to allow user to decide whether or not system should sanity check
* source IP address of incoming routing updates.
* *
* March 1994, Bruce Cole
* *
* Copyright (c) 1994-2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
* *
*-------------------------------------------------------------
* $Log$
*-------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_validate.h
No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routetag_list.c
No license file was found, but licenses were detected in source scan.

/* $Id: exec_show_ip_prefixlist.h,v 3.1.2.1 1997/12/17 21:36:59 enkechen Exp $
* $Source: /release/111/cvs/Xsys/ip/exec_show_ip_prefixlist.h,v $
*------------------------------------------------------------------
* exec_show_ip_prefixlist.h -- Show IP prefix lists
*
* July 1997 Enke Chen
*
* All rights reserved.
*------------------------------------------------------------------
* $Log: exec_show_ip_prefixlist.h,v $
* Revision 3.1.2.1 1997/12/17 21:36:59 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
*
* Revision 3.1 1997/12/17 01:46:35 enkechen
* Start with the new file.
*
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/exec_show_ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

/ *
* $Id: route_map.h,v 3.3.12.6 1996/05/04 01:22:42 wilber Exp $
* $Source: /release/112/cvs/Xsys/iprouting/route_map.h,v $
*------------------------------------------------------------------
* route_map.h
*
* Route map support data structures.
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log: route_map.h,v $
* Revision 3.3.12.6 1996/05/04 01:22:42 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
* Name Access List
*
* Revision 3.3.12.5 1996/04/16 19:02:23 rchandra
* CSCdi54830: IP features commit
* Branch: California_branch
*
* Revision 3.3.12.4 1996/04/05 03:46:42 rchandra
* CSCdi53755: BGP: flap dampening settings not flexible enough
* Branch: California_branch
* - add route-map support to set flap dampening parameters
*
* Revision 3.3.12.3 1996/04/02 07:29:32 dkatz
* CSCdi52277: Redistribution metric problems with IGRP/EIGRP
* Branch: California_branch
* - add route-map support to set flap dampening parameters
* - Always store canonical metrics scaled for IGRP, and make EIGRP do
* - Get the scaling right in all three places.
*
* Revision 3.3.12.2 1996/03/28 23:59:20 rchandra
* CSCdi52098: BGP: exact keyword not accepted by route-map in community
* Branch: California_branch
* - fix my silly bug in handling exact community matching
* - limit the range of valid community to 0xFFFF0000
* - fix a cosmetic bug in show ip community-list
*
* Revision 3.3.12.1 1996/03/28 22:28:27 rchandra
* CSCdi52880: BGP: generate error message for unsupported route-map
* Branch: California_branch
* - generate error message when unsupported route-map option is used
* - tread confederation EBGP neighbors similar to internal neighbors in
* - best path selection
* - fix the bug in bgp_compare_med, so that during MED comparison,
* - confederation information is skipped properly
* - confederation EBGP paths should be inserted into the IP table with
* - internal distance
* - do not consider common-AS neighbors as confederation neighbors
* - during 'clear ip bgp dampening' avoid skipping paths
* - undo the patch to the radix version walker
*
* Revision 3.3 1996/02/17 01:23:27 myeung
* CSCdi49210: match tag clause does not work with static routes
*
* Revision 3.2 1995/11/17 17:37:17 hampton
* Remove old entries from the RCS header logs.
* Revision 3.1 1995/11/09 12:10:38 shaker
  * Bump version numbers from 2.x to 3.x.
  *
* Revision 2.4 1995/09/25 08:31:20 tli
  * CSCdi40960: ISP jumbo patch 2
  *
* Revision 2.3 1995/07/12 07:19:12 tli
  * CSCdi36426: Policy routing will not disable on an interface
    * - Policy routed packets were creating fastswitching cache entries.
      * That's not till _next_ release.
    * - Add counters to record packet and byte count on a per route map entry
      * basis.
    * - Marketing identified a catastrophic deficiency. Implemented "set ip
tos" and "set ip precedence" to cover this deficiency.
    *
* Revision 2.2 1995/07/06 23:12:41 rchandra
  * CSCdi36759: BGP : Add conditional per neighbor default generation
    * - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
    *
* Revision 2.1 1995/06/07 21:10:57 hampton
  * Bump version numbers from 1.x to 2.x.
  *
  *------------------------------------------------------------------
  * $Endlog$
  */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/route_map.h
No license file was found, but licenses were detected in source scan.

  /*
   *------------------------------------------------------------------
   * ip_prefixlist_chain.c - Parse chains for IP Prefix Lists
   *
   * August 2001, Siva Yaragalla
   *
   * Copyright (c) 2001-2008 by cisco Systems, Inc.
   * All rights reserved.
   *------------------------------------------------------------------
   */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_chain.c
No license file was found, but licenses were detected in source scan.

  /* $Id: cfg_router_distance.h,v 3.2.60.1 1996/05/04 01:21:16 wilber Exp $
  * $Source: /release/112/cvs/Xsys/iprouting/cfg_router_distance.h,v $
* C F G _ R O U T E R _ D I S T A N C E . H
*
* The bgp version must come before the weight version so that both NVGEN
* and normal processing happen correctly.
*
* All rights reserved.
*------------------------------------------------------------------
* $Log: cfg_router_distance.h,v $
* Revision 3.2.60.1  1996/05/04  01:21:16  wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.2  1995/11/17  17:32:05  hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1  1995/11/09  12:05:29  shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1  1995/07/01  12:15:50  tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1  1995/06/07  22:12:30  hampton
* Bump version numbers from 1.x to 2.x.
*------------------------------------------------------------------
* $Endlog$
*
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmnn/internal_inc/cfg_router_distance.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* routemap_internal.h
*
* Route map support data structures.
* To be included only by routemap code.
*
* All rights reserved.
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/routemap_internal.h
No license file was found, but licenses were detected in source scan.

/*-------------------------------------------------------------*/
* router_topology_parse.c - Router topology command definitions.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004-2010, 2019-2020 by cisco Systems, Inc.
* All rights reserved.
*-------------------------------------------------------------*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/router_topology_parse.c
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_router_neighbor.h,v 3.3.20.1 1996/08/12 16:03:45 widmer Exp $*/
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_neighbor.h,v $*
*------------------------------------------------------------------*
* C F G _ R O U T E R _ N E I G H B O R . H*
* All Rights Reserved
*------------------------------------------------------------------*
* $Log: cfg_router_neighbor.h,v $*
* Revision 3.3.20.1 1996/08/12 16:03:45 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
* Revision 3.3 1996/02/01 23:33:57 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
* Revision 3.2 1995/11/17 17:32:14 hampton
* Remove old entries from the RCS header logs.
* Revision 3.1 1995/11/09 12:05:42 shaker
* Bump version numbers from 2.x to 3.x.
* Revision 2.1 1995/07/01 12:15:55 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
* Revision 2.1 1995/06/07 22:12:48 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_neighbor.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* iprouting_debug.h -- Debugging declarations for IP routing
* *
* May 1993, John Bashinski
* *
* Copyright (c) 1993-2010 by Cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/iprouting_debug.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* protofltr.h
* *
* Routing protocol filter manager Public API definitions
* *
* Jan 2006, Mercia Zheng
* *
* Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/protofltr.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* exec_clear_routemap.h -- clear route-map counters
*
* Copyright (c) 1986-2008 by cisco Systems, Inc.
* All rights reserved.
* ------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/src/exec_clear_routemap.h

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

 /*------------------------------------------------------------------
* $Id: ip_prefixlist.h,v 3.1.2.3 1998/02/23 19:43:44 enkechen Exp$
* $Source: /release/111/cvs/Xsys/ip/ip_prefixlist.h,v $
* ------------------------------------------------------------------
* Generic prefix list support.
* *
* June 1997, Enke Chen
* *
* Copyright (c) 1997-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
* ------------------------------------------------------------------
* $Log: ip_prefixlist.h,v $
* Revision 3.1.2.3 1998/02/23 19:43:44 enkechen
* CSCdj75270: Prefix-list: optimization for downloading large lists
* Branch: FIB_branch
* *
* Revision 3.1.2.2 1998/02/11 01:55:34 soma
* Merge FIB_L3 branch into FIB branch
* *
* Revision 3.1.2.1.8.1 1998/01/29 01:02:13 enkechen
* CSCdj77191: Reduce several chunk size parameters to save memory
* Branch: FIB_L3_branch
* *
* Revision 3.1.2.1 1997/12/17 21:37:00 enkechen
* CSCdj61356: Prefix-list - facility for efficient route filtering
* Branch: FIB_branch
* *
* Revision 3.1 1997/12/17 01:46:32 enkechen
* Start with the new file.
* *
*----------------------------------------------------------------------
* $Endlog$
* /

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/ip_prefixlist.h

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

/*----------------------------------------------------------------------
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_redistribute.h
No license file was found, but licenses were detected in source scan.

/*
 *----------------------------------------------------------------------------
 * cfg_router_topology_exit.h - Exit from router topology sub mode.
 * Sept 2004, Mercia Zheng
 *
 * Copyright (c) 2004, 2006-2009 by cisco Systems, Inc.
 * All rights reserved.
 *----------------------------------------------------------------------------
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_exit.h
No license file was found, but licenses were detected in source scan.

/*
 *----------------------------------------------------------------------------
 * policylist_ionized.c - Routines to handle policy-list commands for
 *                        IONized processes.
 * November 2003, Siva Yaragalla
 *
 * Copyright (c) 2003-2005, 2007-2008 by cisco Systems, Inc.
 * All rights reserved.
 *----------------------------------------------------------------------------
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/policylist_ionized.c
No license file was found, but licenses were detected in source scan.

# $Id$
#
# iprouting.startup - ION iprouting process .startup file
# October, 2001, Fan Kong
#
name: iprouting.iosproc
path: /sbin
feature: iprouting
level: 100
envs: RLIMIT_NOFILE=65535

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting.startup

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

/* $Id$
* $Source$
*------------------------------------------------------------------
*_cfg_router_flash-threshold.h
* January 1998, 2001 Dawn Li
*
* All rights reserved.
*------------------------------------------------------------------
*$Log$
*------------------------------------------------------------------
*$Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_flash-threshold.h

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

/* $Id$
* $Source$
*------------------------------------------------------------------
* Exit from BGP Address Family mode.
* 
* Sept 1998, Bob Thomas
*
* All rights reserved.
*------------------------------------------------------------------
*$Log$
*------------------------------------------------------------------
*$Endlog$
*/
/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * IP routing parse chains
 * *
 * May 1993, Robert Widmer
 * *
 * Copyright (c) 1993-2012, 2015-2016 by cisco Systems, Inc.
 * All rights reserved.
 * *
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_chain.c
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * ip_prefixlist_ionized.c - IP Prefix Lists support for ionized processes
 * *
 * August 2001, Siva Yaragalla
 * *
 * Copyright (c) 2001-2004, 2007-2008 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ionized.c
No license file was found, but licenses were detected in source scan.

/* $Id: rouource_commande_map.c,v 3.4.10.11 1996/07/09 07:35:58 dawnli Exp $
 * $Source: /release/112/cvs/Xsys/iprouting/route_map.c,v $
 *------------------------------------------------------------------
 * route_map.c -- Route map support routines.
 * *
 * 23-January-1993
 * */
Copyright (c) 1986-2020 by Cisco Systems, Inc.
All rights reserved.

$Log: route_map.c,v $
Revision 3.4.10.11 1996/07/09 07:35:58 dawnli
CSCdi57006: route-map in configuration are stored/displayed in reverse order
Branch: California_branch

Revision 3.4.10.10 1996/06/28 23:19:51 hampton
Remove gratuitous casting. [CSCdi61655]
Branch: California_branch

Revision 3.4.10.9 1996/06/05 08:27:06 rchandra
CSCdi59547: Routemap: %SYS-4-REGEXP: NULL string parameter error
Branch: California_branch
- do not pass null path to route_map_match_aspath

Revision 3.4.10.8 1996/06/03 23:24:12 ahh
CSCdi59119: IP: NAT should support named access-lists
And extended access-lists and non-contiguous address pools.
Branch: California_branch

Revision 3.4.10.7 1996/05/04 01:22:39 wilber
Branch: California_branch

Constrained Multicast Flooding
- Define MOSPF hello option bit.

Name Access List

Revision 3.4.10.6 1996/04/16 19:02:21 rchandra
CSCdi54830: IP features commit
Branch: California_branch

Revision 3.4.10.5 1996/04/05 03:46:40 rchandra
CSCdi53755: BGP: flap dampening settings not flexible enough
Branch: California_branch
- add route-map support to set flap dampening parameters

Revision 3.4.10.4 1996/04/02 07:29:30 dkatz
CSCdi52277: Redistribution metric problems with IGRP/EIGRP
Branch: California_branch
* Always store canonical metrics scaled for IGRP, and make EIGRP do its own scaling internally. Get the scaling right in all three places.

Revision 3.4.10.3 1996/03/28 23:59:18 rchandra
* CSCdi52098: BGP: exact keyword not accepted by route-map in community match
  * Branch: California_branch
  * - fix my silly bug in handling exact community matching
  * - limit the range of valid community to 0xFFFF0000
  * - fix a cosmetic bug in show ip community-list
* Revision 3.4.10.2 1996/03/28 22:28:25 rchandra
  * CSCdi52880: BGP: generate error message for unsupported route-map options
  * Branch: California_branch
  * - generate error message when unsupported route-map option is used
  * - treat confederation EBGP neighbors similar to internal neighbors in best path selection
  * - fix the bug in bgp_compare_med, so that during MED comparison, confederation information is skipped properly
  * - confederation EBGP paths should be inserted into the IP table with internal distance
  * - do not consider common-AS neighbors as confederation neighbors
  * - during ‘clear ip bgp dampening’ avoid skipping paths
  * - undo the patch to the radix version walker
* Revision 3.4.10.1 1996/03/18 20:29:32 gstovall
  * Branch: California_branch
  * Elvis has left the building. He headed out to California, and took the port ready changes with him.
* Revision 3.2.26.3 1996/03/16 06:58:25 gstovall
  * Branch: DeadKingOnAThrone_branch
  * Make the king aware of V111_1_3.
* Revision 3.2.26.2 1996/03/07 09:50:41 mdb
  * Branch: DeadKingOnAThrone_branch
  * cisco and ANSI/POSIX libraries.
* Revision 3.2.26.1 1996/02/20 01:04:27 dstine
  * Branch: DeadKingOnAThrone_branch
  * Sync from DeadKingOnAThrone_baseline_960122 to DeadKingOnAThrone_baseline_960213
* Revision 3.4 1996/02/24 02:01:55 pst
  * CSCdi49774: modularize regexp's for bgp (part 3)
* Revision 3.3 1996/02/01 06:06:17 hampton
  * Migrate files out of the parser directory. [CSCdi47717]
  * Step 2: Change all files which reference the moved parser files to point to their new locations.
* Revision 3.2  1995/11/17  17:37:13  hampton
* Remove old entries from the RCS header logs.

* Revision 3.1  1995/11/09  12:10:35  shaker
* Bump version numbers from 2.x to 3.x.

* Revision 2.6  1995/09/25  08:31:19  tli
* CSCdi40960:  ISP jumbo patch 2

* Revision 2.5  1995/07/06  23:12:39  rchandra
* CSCdi36759:  BGP : Add conditional per neighbor default generation
* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.

* Revision 2.4  1995/06/23  14:26:05  widmer
* CSCdi36318:  multiple route-map commands are not accepted
* Fix route-map command NV generation

* Revision 2.3  1995/06/15  15:18:52  widmer
* CSCdi35889:  parser transition structures should be static

* Revision 2.2  1995/06/08  08:59:19  tli
* CSCdi35274:  route-map test-1 crashes IOS
* - If a route map does not set any routing information, it should be
  * equivalent to not having policy routed the packet.
  * - "match length" clauses were having their flag stepped on because the
  * flag update routine didn't know about the clause.

* Revision 2.1  1995/06/07  21:10:53  hampton
* Bump version numbers from 1.x to 2.x.

*----------------------------------------------------------------------

* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/route_map.c
No license file was found, but licenses were detected in source scan.

/*----------------------------------------------------------------------
* IP routemap test commands
*
* May 2003, Tanya Shastri
*
* All rights reserved.
*
*----------------------------------------------------------------------
*/
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/exec_test_ip_routemap.h
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------*/
* router_af_parse.c
*
* Route Address Family command and action definitions. Derived from
* router_af_chain.c
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002-2010, 2012, 2014-2016, 2019 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/router_af_parse.c
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_router_passive-interface.h,v 3.2.60.1 1996/08/12 16:03:49 widmer Exp $ */
/* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_passive-interface.h,v $ */
/*------------------------------------------------------------------*/
* CFG_ROUTER_PASSIVE_INTERFACE.H
*
* Copyright (c) 1992-1999, 2001-2010, 2018 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_passive-
interface.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------*/
* protofltr_debug.h -- Routing protocol filter manager debug flag
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2008 by Cisco Systems, Inc.
* All rights reserved.
*/
*------------------------------------------------------------------*
*router_topology_chain.c - Parser chains of router topology sub mode *
* for multi-topology routing support                                *
* Sept 2004, Mercia Zheng                                          *
*
* Copyright (c) 2004-2010, 2019 by cisco Systems, Inc.             *
* All rights reserved.                                             *
*------------------------------------------------------------------*
* $Log$                                                             *
*------------------------------------------------------------------*
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/router_topology_chain.c
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_routemap_exit.h,v 3.2.60.1 1996/08/12 16:03:34 widmer Exp $ */
/* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_exit.h,v $ */

* cfg_routemap_exit.h
*
* exit - exit from route-map configuration mode
*
* All Rights Reserved
*------------------------------------------------------------------*
* $Log: cfg_routemap_exit.h,v $                                        *
* Revision 3.2.60.1 1996/08/12 16:03:34 widmer
* CSCd65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
*
* Revision 3.2 1995/11/17 17:31:42 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:03 shaker
* Bump version numbers from 2.x to 3.x.
* Revision 2.1 1995/07/01 12:15:44 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:09 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
* /

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_exit.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * cfg_router_input-queue.h
 *
 * September 1997, Dawn Li
 *
 * Copyright (c) 1997-2002, 2007-2008 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 * /

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_input-queue.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * IP routing show commands
 *
 * May 1993, Robert Widmer
 *
 * All rights reserved.
 *
 *------------------------------------------------------------------
 * $Log$
* Copyright (c) 2003, 2005-2010, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
*/opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routemap_api_util.c
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * cfg_router_summary_addr.h
 *
 * Supports the router subcommand "summary-address". Provides IP aggregation
 * configuration.
 *
 * All rights reserved.
 *
 * Longer description here.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
*/opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_summary_addr.h
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
 * iprouting_cmn.c
 *
 * This file has global definitions common to blob and iprouting proceses.
 *
 * Copyright (c) 2002-2009, 2011, 2013 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 */

Found in path(s):
*/opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_cmn.c
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* iprouting_common.h - Basic types for IP routing (IPv4/IPv6)
* 
* Contains:
* - address family enum,
* - tableid type and related macros
* - topoid type and related macros
* - private topoid definitions and APIs
* - generic non-routing ID definitions/APIs
* 
* Warning: this file should not have any dependency on other header file
* except those where basic C types are defined.
* 
* June 2003, Luc Revardel
* 
* Copyright (c) 2003-2013, 2016, 2018, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/iprouting_common.h
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* router_af_actions_registry.c
* 
* Router address family actions registry.
* 
* May 2002, Victor Kamensky
* 
* Copyright (c) 2002-2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/router_af_actions_registry.c
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* exec_debug_routemap.h -- Debugging for Route-map IPC
* 
* July 1998, Wilber Su
* 
* All rights reserved.
*------------------------------------------------------------------*/
No license file was found, but licenses were detected in source scan.
* Bump version numbers from 2.x to 3.x.
* 
* Revision 2.1 1995/07/01 12:15:58 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
* 
* Revision 2.1 1995/06/07 22:12:58 hampton
* Bump version numbers from 1.x to 2.x.
* 
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_offset.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* route_map_http_ion.c
* 
* March, 2003 Phil Winterfield
* 
* 
* Copyright (c) 2003-2004, 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/route_map_http_ion.c
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* route_map_def.h - Route Map Tyep Definition
* 
* Feb, 2006 Allen Hu
* 
* Copyright (c) 2006-2008, 2017 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/route_map_def.h
No license file was found, but licenses were detected in source scan.

/* $Id$
* $Source$
* -------------------------------------------------------------
* routing_context_registry.c
* 
* September 2009, Derek Yeung
* 
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
* -------------------------------------------------------------
* $Log$
* -------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routing_context_registry.c
No license file was found, but licenses were detected in source scan.

/* $Id: iprouting_setup.c,v 3.4.4.1 1996/06/28 01:21:03 snyder Exp $
* $Source: /release/112/cvs/Xsys/iprouting/iprouting_setup.c,v $
*--------------------
* IP Routing setup commands
* 
* May 1993, Robert Widmer
* 
* All rights reserved.
* 
* -------------------------------------------------------------
* $Log: iprouting_setup.c,v $
* Revision 3.4.4.1 1996/06/28 01:21:03 snyder
* CSCdi61601: fix some char * that should have been char [] in iprouting
* Branch: California_branch
* 
* You get space back for the pointer
* You get space back for each reference
* You get bytes out of data space
* 
* Revision 3.4 1996/03/09 22:56:04 widmer
* CSCdi47890: HTTP server doesn't work
* Add HTTP server
* 
* Revision 3.3 1995/11/28 03:58:38 widmer
* CSCdi44175: Add setup_printf to replace sprintf in setup code
* 
* Revision 3.2 1995/11/17 17:34:53 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:08:42 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/06/07 21:07:55 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_setup.c
No license file was found, but licenses were detected in source scan.

##
## content.lst file for iprouting_cmn
## See EDCS-905060 for more details.
##
## Oct 2010, Manu Pathak
##
## Copyright (c) 2010-2011, 2016 by cisco Systems, Inc.
## All rights reserved.
##

syntax: 1.0.0

# iprouting_cmn meta-source files
group: iprouting_cmn-generic
{
  enum:
    iprouting_cmn/include/enum/iprouting_api.enum

  reg:
    iprouting_cmn/include/reg/ion_iprouting_cmd_registry.reg
    iprouting_cmn/include/reg/iprouting_registry.reg
    iprouting_cmn/include/reg/Ifafrr_registry.reg
    iprouting_cmn/include/reg/route_map_registry.reg
    iprouting_cmn/include/reg/router_af_actions_registry.reg
    iprouting_cmn/include/reg/router_topology_registry.reg
    iprouting_cmn/include/reg/routing_context_registry.reg
}
# end of group: iprouting_cmn-generic

# iprouting_cmn source files
group: iprouting_cmn
{
  includes:
    ../generic/routing/iprouting_cmn/include
defines: CRYPTOv5 CERTCv5
cflags: -Wno-parentheses -Wno-uninitialized

sub: ion_iprouting_cmd_registry
{
  context: os==ion
  contains:
    iprouting_cmn/src/ion_iprouting_cmd_registry.c
}

sub: iprouting_blob
{
  contains:
    iprouting_cmn/src/ip_routing.c
    iprouting_cmn/src/ip_stats.c
    iprouting_cmn/src/iprouting_actions.c
    iprouting_cmn/src/iprouting_chain.c
    iprouting_cmn/src/iprouting_debug.c
    iprouting_cmn/src/iprouting_init_blob.c
    iprouting_cmn/src/iprouting_setup.c
    iprouting_cmn/src/protofltr_debug.c
    iprouting_cmn/src/route3_blob.c
    iprouting_cmn/src/routemap_debug.c
    iprouting_cmn/src/router_af_chain.c
    iprouting_cmn/src/router_topology_chain.c
    iprouting_cmn/src/routing_context_chain.c
}

sub: iprouting_cmn
{
  contains:
    iprouting_cmn/include/msg_iproute.rc
    iprouting_cmn/src/iprouting_cmn.c
}

sub: iprouting_common_blob
{
  contains:
    iprouting_cmn/src/ip_prefixlist_chain.c
    iprouting_cmn/src/policylist_blob.c
    iprouting_cmn/src/route_map_blob.c
    iprouting_cmn/src/routemap_track.c
sub: iprouting_common_ionblob
{
    context: os==ion
    contains:
        iprouting_cmn/src/ip_prefixlist_ionblob.c
        iprouting_cmn/src/route_map_ionblob.c
}

sub: iprouting_common_ionized
{
    context: os==ion
    contains:
        iprouting_cmn/src/ip_prefixlist_ionized.c
        iprouting_cmn/src/policylist_ionized.c
        iprouting_cmn/src/route_map_ionized.c
}

sub: iprouting_common_misc
{
    contains:
        iprouting_cmn/src/ip_prefixlist.c
        iprouting_cmn/src/msg_routemap.c
        iprouting_cmn/src/policylist.c
        iprouting_cmn/src/route_map.c
        iprouting_cmn/src/routetag_list.c
}

sub: iprouting_common_nbcmn
{
    contains:
        iprouting_cmn/src/route_map_nbcmn.c
}

sub: iprouting_common_nonblob
{
    contains:
        iprouting_cmn/src/ip_prefixlist_ios.c
        iprouting_cmn/src/policylist_ios.c
}

sub: iprouting_init_ios
{
    contains:
        iprouting_cmn/src/iprouting_init_ios.c
}

sub: iprouting_ionblob
{
    context: os==ion
    contains:
        iprouting_cmn/src/iprouting_init_ionblob.c
        iprouting_cmn/src/iprouting_parse_blob.c
        iprouting_cmn/src/router_af_parse_blob.c
sub: iprouting_ionized
{
  context: os==ion
  contains:
    iprouting_cmn/src/iprouting_init_ionized.c
    iprouting_cmn/src/route3_ionized.c
}
sub: iprouting_misc
{
  contains:
    iprouting_cmn/src/routemap_api.c
    iprouting_cmn/src/routemap_api_util.c
    iprouting_cmn/src/routemap_internal.c
}
sub: iprouting_nonblob
{
  contains:
    iprouting_cmn/src/iprib_api_svr.c
    iprouting_cmn/src/iprouting_init.c
    iprouting_cmn/src/iprouting_stats.c
    iprouting_cmn/src/protofltr.c
    iprouting_cmn/src/route1.c
    iprouting_cmn/src/route2.c
    iprouting_cmn/src/route3.c
    iprouting_cmn/src/router_af_parse.c
    iprouting_cmn/src/router_topology_parse.c
}
sub: iprouting_parser
{
  contains:
    iprouting_cmn/src/iprouting_parser_linkpoints.c
}
sub: iprouting_registry
{
  contains:
    iprouting_cmn/src/iprouting_registry.c
}
sub: ipv4_subsys
{
  contains:
    iprouting_cmn/src/ipv4_subsys.c
}
sub: lfafrr_registry
{
  contains:
    iprouting_cmn/src/lfafrr_registry.c
}
sub: route_map_globs
{
  contains:
    iprouting_cmnn/src/route_map_globs.c
}
sub: route_map_registry
{
  contains:
    iprouting_cmnn/src/route_map_registry.c
}
sub: routemap_common_blob
{
  contains:
    iprouting_cmnn/src/routemap_ios_blob.c
}
sub: routemap_common_ionized
{
  context: os==ion
  contains:
    iprouting_cmnn/src/route_map_http_ion.c
}
sub: routemap_common_nonblob
{
  contains:
    iprouting_cmnn/src/routemap_ios.c
    iprouting_cmnn/src/routemap_track_ios.c
}
sub: routemap_ios_chain
{
  contains:
    iprouting_cmnn/src/routemap_ios_chain.c
}
sub: routemap_lc_ipc
{
  context: os==ios
  contains:
    iprouting_cmnn/src/route_map_globs.c
    iprouting_cmnn/src/routemap_api.c
    iprouting_cmnn/src/routemap_api_util.c
    iprouting_cmnn/src/routemap_debug.c
    iprouting_cmnn/src/routemap_internal.c
    iprouting_cmnn/src/routemap_ios_chain.c
    iprouting_cmnn/src/routetag_list.c
}
sub: router_af_actions_registry
{
  contains:
    iprouting_cmnn/src/router_af_actions_registry.c
}
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sub: router_topology_registry
{
    contains:
        iprouting_cmn/src/router_topology_registry.c
}

sub: routing_context
{
    contains:
        iprouting_cmn/src/routing_context.c
}

sub: routing_context_registry
{
    contains:
        iprouting_cmn/src/routing_context_registry.c
}

# end of group: iprouting_cmn

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/content.lst
No license file was found, but licenses were detected in source scan.

/docs/17.7.1-images/1868

/*
*------------------------------------------------------------------
* route_map_ionblob.c -- Route Maps support for ION Blob
*                        October 2001, Siva Yaragalla
*                        All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/route_map_ionblob.c
No license file was found, but licenses were detected in source scan.

/docs/17.7.1-images/1868

/*
*------------------------------------------------------------------
* iprouting_parser_linkpoints.h - iprouting parser linkpoint decls.
*                        April, 2005
*                        Copyright (c) 2005, 2007-2008, 2015 by cisco Systems, Inc.
*                        All rights reserved.
*                        *------------------------------------------------------------------*/


Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/iprouting_parser_linkpoints.h
No license file was found, but licenses were detected in source scan.

*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/topo_aware.h
No license file was found, but licenses were detected in source scan.

/*
* topo_aware.h - Define multi-topology awareness
* March 2005, Les Ginsberg
* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/route_map_registry.h
No license file was found, but licenses were detected in source scan.

/*
* route_map_registry.h -- Registration Points for Route Maps support in ION
* July 2001, Siva Yaragalla
* All rights reserved.
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/iprouting_blob_undef.c
No license file was found, but licenses were detected in source scan.

/* $Id$
* $Source$
* iprouting_blob_undef.c -- undefined symbols from blob when routing subsytems are pulled out
* October, 2002 Phil Winterfield
* Copyright (c) 2001-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*/
No license file was found, but licenses were detected in source scan.

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

No license file was found, but licenses were detected in source scan.
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/src/cfg_router_table-map.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * IP routing clear commands
 *
 * May 1993, Robert Widmer
 *
 * All rights reserved.
 *
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/src/exec_clear_ip_routing.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * exec_show_ip_extcommunity-list.h
 *
 * April 2000, Rex Fernando
 *
 * Copyright (c) 2000, 2002-2003, 2007-2008 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
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tar/iprouting_cmn/internal_inc/exec_show_ip_policylist.h
No license file was found, but licenses were detected in source scan.

/*
 * ip_prefixlist_ionblob.c - IP Prefix Lists support for IONized clients
 * January 2002, Siva Yaragalla
 * Copyright (c) 2002-2003, 2005, 2007-2008 by cisco Systems, Inc.
 * All rights reserved.
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ionblob.c
No license file was found, but licenses were detected in source scan.

/*
 * route3.c -- Routing Support: Router command and related routines
 * 15-June-1987, Kirk Lougheed
 * Copyright (c) 1987-2021 by cisco Systems, Inc.
 * All rights reserved.
 */

/* If its not a per-user distribute-list, we have to configure the
 * route-map for pflist_def too - its used to restore default when
 * a per-user distribute-list is un-configured as well as for
 * nvgen purposes. All this mess, only for the interface specific
 * version.
 */

/* This command is only valid for ipv4 and nsap AFs in BGP.
 * However it is accepted for other BGP AFs
 * for backwards compatibility. However, no action
 * is taken for these AFs and it is not nvgen'ed
 * either. Check out cfg_router_default.h for
 * more details.
 */
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/route3.c
No license file was found, but licenses were detected in source scan.

/*
*---------------------------------------------------------------
* cfg_router_maximum-paths.h
* *
* 22-May-2016, Les Ginsberg
* *
* Copyright (c) 2016 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_maximum-sec-paths.h
No license file was found, but licenses were detected in source scan.

/ * $Id$
* $Source$
*---------------------------------------------------------------
* Ifafrr_registry.c
* *
* July 2010, Ahmed Bashandy
* *
* All rights reserved.
*---------------------------------------------------------------
* $Log$
*---------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/lfafrr_registry.c
No license file was found, but licenses were detected in source scan.

/ *
*---------------------------------------------------------------
* routemap_debug.c -- Routemap debugging support
* *
* July 1998, Wilber Su
* *
* All rights reserved.
No license file was found, but licenses were detected in source scan.

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

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

$Log: cfg_router_distribute.h,v$
 Revision 3.3.50.2 1996/08/12 16:03:44 widmer
 Branch: California_branch
 - Define MOSPF hello option bit.

Name Access List

Revision 3.3 1995/12/04 06:47:13 tli
 CSCdi43559: IP: distribute-list 101 out should work

Revision 3.2 1995/11/17 17:32:10 hampton
 Remove old entries from the RCS header logs.

Revision 3.1 1995/11/09 12:05:34 shaker
 Bump version numbers from 2.x to 3.x.

Revision 2.1 1995/07/01 12:15:52 tli
 CSCdi36508: Rationalize parser file placement, part I
 Rationalize iprouting

Revision 2.1 1995/06/07 22:12:36 hampton
 Bump version numbers from 1.x to 2.x.

Stretch Multicast Flooding

CSCdi65725: Create Eolns macro that defaults csb->which to 0
 Branch: California_branch
 Add Eolns and Nvgenns macro that default csb->which to 0
 Remove hidden keyword help strings

Revision 3.3.50.1 1996/05/04 01:21:18 wilber
 Branch: California_branch

Constrained Multicast Flooding

Revision 3.3.50.2 1996/08/12 16:03:44 widmer
 CSCdi65725: Create Eolns macro that defaults csb->which to 0
 Branch: California_branch
 Add Eolns and Nvgenns macro that default csb->which to 0
 Remove hidden keyword help strings

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ip_stats.c - IP for topology aware stats
April 2006, Jonsky Hsu

Copyright (c) 2006-2010 by cisco Systems, Inc.
All rights reserved.

.protofltr.c -- Routing protocol filter manager support routines

Jan 2006, Mercia Zheng

Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.
All rights reserved.

Router topology registry.

Sept 2004, Mercia Zheng

Copyright (c) 2004, 2007-2008 by cisco Systems, Inc.
All rights reserved.
No license file was found, but licenses were detected in source scan.

/* $Id: ip_routing.c,v 3.2 1995/11/17 17:34:11 hampton Exp $ */
/* $Source: /swtal/cherf.111/ios/sys/iprouting/ip_routing.c,v $ */
/*------------------------------------------------------------------
* ip_routing.c -- Generic IP routing functions
* Mar 1995 Tony Li

* All rights reserved.
*------------------------------------------------------------------
* $Log: ip_routing.c,v $
* Revision 3.2 1995/11/17 17:34:11 hampton
* Remove old entries from the RCS header logs.
* 
* Revision 3.1 1995/11/09 12:08:05 shaker
* Bump version numbers from 2.x to 3.x.
* 
* Revision 2.1 1995/06/07 21:07:03 hampton
* Bump version numbers from 1.x to 2.x.
* 
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/ip_routing.c
No license file was found, but licenses were detected in source scan.

/* */
/*------------------------------------------------------------------
* router_topology_parse.h
* Router topology parser functions declarations.
* Sept 2004, Mercia Zheng
* 
* Copyright (c) 2004-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/router_topology_parse.h
No license file was found, but licenses were detected in source scan.

/* $Id$ */
* $Source$
*---------------------------------------------------------------
* cfg_routemap_set_ip.h -- IP specific route-map clauses
*
* Mar 1995 Tony Li
*
* All rights reserved.
*---------------------------------------------------------------
* $Log$
*---------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnan/ipcfg_routemap_set_ip.h
No license file was found, but licenses were detected in source scan.

/ * $Id: route_map.h,v 3.3.12.6 1996/05/04 01:22:42 wilber Exp $ 
* $Source: /release/112/cvs/Xsys/iprouting/route_map.h,v $ 
*---------------------------------------------------------------
* policylist.h -- Policy list support data structures
*
* April 2000, Rex Fernando
*
* All rights reserved.
*---------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnan/internal_inc/policylist.h
No license file was found, but licenses were detected in source scan.

/ * $Id: cfg_router_network.h,v 3.2.60.1 1996/08/12 16:03:46 widmer Exp $ 
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_network.h,v $ 
*---------------------------------------------------------------
* CFG_ROUTER_NETWORK.H
*
* All Rights Reserved
*---------------------------------------------------------------
* $Log: cfg_router_network.h,v $ 
* Revision 3.2.60.1 1996/08/12 16:03:46 widmer
* CSCdi65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings

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* Revision 3.2 1995/11/17 17:32:18 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:49 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.2 1995/09/25 08:30:52 tli
* CSCdi40960: ISP jumbo patch 2
*
* Revision 2.1 1995/07/01 12:15:58 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:56 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----------------------------------------------
* $Endlog$
*
/*

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_network.h
No license file was found, but licenses were detected in source scan.

/* Std: iprouting_init.c,v 1.1 2003/06/13 18:30:09 dsavage Exp dsavage $  
* $Source: /view/dsavage-CSCdy77097-rip-V123/vob/ios.sys2/sys/iprouting/iprouting_init.c,v $  
*-----------------------------------------------
* iprouting_init.c -- initialize IP Routing Protocol support.
*
* 20-August-1985, Kirk Lougheed
*
* Copyright (c) 1985-2012, 2016, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------
* $Log: iprouting_init.c,v $  
* Revision 1.1 2003/06/13 18:30:09 dsavage
* Initial revision
*  
*-----------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_init.c
No license file was found, but licenses were detected in source scan.
/*
PARSER_DECLS_ROUTER.H
*
$Id: parser_defs_router.h,v 3.1.40.2 1996/07/30 06:56:06 rchandra Exp $
$Source: /release/112/cvs/Xsys/iprouting/parser_defs_router.h,v $
*
Copyright (c) 1985-2020 by cisco Systems, Inc.
* All rights reserved.
* 
*------------------------------------------------------------------
* $Log: parser_defs_router.h,v $
* Revision 3.1.40.2 1996/07/30 06:56:06 rchandra
* CSCDi64489: BGP: private-AS number cannot be removed from AS-path
* Branch: California_branch
* - add 'neighbor x.x.x.x remove-private-AS' command.
* - add 'inbound' keyword to 'neighbor x.x.x.x soft-reconfiguration'
* command (CSCDi64487)
* 
* Revision 3.1.40.1 1996/04/16 19:02:10 rchandra
* CSCDi54830: IP features commit
* Branch: California_branch
*
* Revision 3.1 1996/02/01 04:58:48 hampton
* Migrate files out of the parser directory. [CSCDi47717]
* Step 1: Create copies of the files to be moved in their new location.
* 
* Revision 3.2 1995/11/17 18:52:17 hampton
* Remove old entries from the RCS header logs.
* 
* Revision 3.1 1995/11/09 12:56:05 shaker
* Bump version numbers from 2.x to 3.x.
* 
* Revision 2.4 1995/08/28 21:14:47 rchandra
* CSCDi39436: BGP: Allow conditional unsuppression of suppressed routes
* - add 'neighbor x.x.x.x unsuppress-map <map>' command
* 
* Revision 2.3 1995/07/06 23:11:21 rchandra
* CSCDi36759: BGP: Add conditional per neighbor default generation
* - add 'neighbor <x.x.x.x> default-originate route-map <tag>' command.
* 
* Revision 2.2 1995/06/30 20:24:40 rchandra
* CSCDi36620: BGP requires IBGP neighbors to be fully meshed
* 
* Revision 2.1 1995/06/07 22:31:08 hampton
* Bump version numbers from 1.x to 2.x.
* 
*------------------------------------------------------------------
*$Endlog$
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/parser_defs_router.h

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

/* $Id: exec_show_route-map.h,v 3.2.60.1 1996/08/12 16:04:13 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/exec_show_route-map.h,v $
*---------------------------------------------------------------
* exec_show_route-map.h
*
* All rights reserved.
* *
* Command parsing chain for "show route-map".
*---------------------------------------------------------------
* $Log: exec_show_route-map.h,v $
* Revision 3.2.60.1 1996/08/12 16:04:13 widmer
* CSCd65725: Create Eolns macro that defaults csb->which to 0
* Branch: California_branch
* Add Eolns and Nvgenns macro that default csb->which to 0
* Remove hidden keyword help strings
* *
* Revision 3.2 1995/11/17 17:33:31 hampton
* Remove old entries from the RCS header logs.
* *
* Revision 3.1 1995/11/09 12:07:29 shaker
* Bump version numbers from 2.x to 3.x.
* *
* Revision 2.1 1995/07/01 12:16:22 tli
* CSCd36508: Rationalize parser file placement, part I
* Rationalize iprouting
* *
* Revision 2.1 1995/06/07 22:25:36 hampton
* Bump version numbers from 1.x to 2.x.
* *
*---------------------------------------------------------------
* $Endlog$
* */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/exec_show_route-map.h

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

/* $Id$
* $Source$
*---------------------------------------------------------------
* cfg_route_default.h
* September 2016, Yingzhen Qu
* Copyright (c) 2016 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_route_default.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* routemap_track.c -- Route map support for tracking
* Functions which run on RP (not VIP).
* March 2003 Shyan Wignarajah
* Copyright (c) 2003-2008, 2013-2014 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routemap_track.c
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* routing_context.h - Routing Context library API
* March 2009, Derek Yeung
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/routing_context.h
No license file was found, but licenses were detected in source scan.
* CFG_ROUTER_OUTPUT_DELAY.H

* router RIP inter-frame gap subcommand

* Aug 1996, Dawn Li

* All rights reserved.

*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_output-delay.h

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

/*------------------------------------------------------------------
* routing_context_chain.c
*
* Parse chain file for routing context support.
*
* March 2009, Derek Yeung
*
* Copyright (c) 2009, 2015 by cisco Systems, Inc.
* All rights reserved.

/*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routing_context_chain.c

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

/* $Id$
* $Source$
*------------------------------------------------------------------
*
* parser_defs_route_map.h
*
* Constant definition for route-map command and associated subcommands.
*
* All rights reserved.

/*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/parser_defs_route_map.h
No license file was found, but licenses were detected in source scan.

/*
*---------------------------------------------------------------
* Debugging flag declarations for protocol filter manager - ION
*  
* Jan 2006, Mercia Zheng
*  
* Copyright (c) 2005-2008 by cisco Systems, Inc.
* All Rights Reserved
*---------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug_flags_ion.h
No license file was found, but licenses were detected in source scan.

/*
*---------------------------------------------------------------
* route_map_nbcmn.c -- Route map support non-Blob common routines
*  
* October 2001, Siva Yaragalla
*  
* Copyright (c) 2001-2013, 2018, 2020 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/route_map_nbcmn.c
No license file was found, but licenses were detected in source scan.

/*
*---------------------------------------------------------------
* Registry for IP route commands in ION
*  
* September 2001, Rashmi Shrivastava
*  
* Copyright (c) 2001, 2003-2008 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------
*/
Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/ion_iprouting_cmd_registry.h
No license file was found, but licenses were detected in source scan.

/*
 * -----------------------------------------------
 * route_capability.h
 *
 * August 2003, Peter Psenak
 *
 * All rights reserved.
 * -----------------------------------------------
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/route_capability.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * Address-family command; enters Address Family mode.
 *
 * Sept 1998, Bob Thomas
 *
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_router_af.h
No license file was found, but licenses were detected in source scan.

/*-----------------------------------------------
 * route_map_registry.c
 *
 * July 2001, Siva Yaragalla
 *
 * Copyright (c) 2001, 2003, 2007-2008 by cisco Systems, Inc.
 * All rights reserved.
 *-----------------------------------------------
 */
/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * iprouting_init_blob.c -- Partner file (in blob) for iprouting_init.c
 * 27-August-2001, Fan Kong
 *
 * Copyright (c) 2001-2011, 2015, 2019 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

/* $Id: cfg_routemap_match_policy.h,v 3.3 1995/11/28 19:50:34 widmer Exp $
 * $Source: /swtal/cherf.111/ios/sys/iprouting/cfg_routemap_match_policy.h,v $
 *------------------------------------------------------------------
 * cfg_routemap_match_policy.h -- Route map match clauses for policy
 * routing.
 * Mar 1995 Tony Li
 *
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log: cfg_routemap_match_policy.h,v $
 * Revision 3.3 1995/11/28  19:50:34  widmer
 * CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func
 * Revision 3.2 1995/11/17  17:31:48  hampton
 * Remove old entries from the RCS header logs.
 * Revision 3.1 1995/11/09  12:05:10  shaker
 * Bump version numbers from 2.x to 3.x.
 * Revision 2.3 1995/06/21  18:16:00  widmer
 * CSCdi36227: Fix parse chain alternates
 */
* Revision 2.2 1995/06/15 15:18:44 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:32 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
*$Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_match_policy.h

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

!--------------------------------------------------------------
! iproutingcmn_router_cmd.sesut - IPv4 Routing Common Router
! Commands Unit Test Routines
!
! December 2007, Chi Iong Ansjory
!
! Copyright (c) 2007 by cisco Systems, Inc.
! All rights reserved.
!--------------------------------------------------------------
! Sample unit test description file.
! This file is used for generation of unit test module by SESUT.
! See http://wwwin-ses.cisco.com/unittest/sesut_ios.html for
! information about SESUT.
!
! Include a description of your test here.
!
! This is made up of many sections. Each section header starts with % in
! first column. It is followed by the section identifier.
! Lines that have ':' in the first column are considered comments.
! Blank lines are ignored.
!
! You can report success/failure of your test by calling the following
! functions.
! Call sesut_<file prefix>._testpass to indicate test success.
! void sesut_<file prefix>._testpass(void);
! Call sesut_<file prefix>._testfail to indicate test failure.
! void sesut_<file prefix>._testfail(const char *fmt, ...);
! The length of the formatted string should be less than or equal
! to 255. Else it will be truncated.
! Prototypes for these functions are included in the header file that
! is generated by SESUT.
% Cflow
! Enter the files/subsystems in the unit under test.
! These files will be instrumented for Cflow and MIF(if MIF is
! available in your view). GDB flag -g is used during compilation.
cflow_list=$(sub_mif) xyz.o $(my_subsys) abc.o
! This list is ignored if ses_iouut is used. ses_iouut instruments all files
! in UUT(defined by -old and -new options).

% MIF
! Enter MIF configuration
! If MIF configuration is not specified and cflow_list is specified
! then a default MIF configuration is used.
!../os/free.c
!../os/buffers.c
!../os/chunk.c
!------------------
!malloc
!malloc_aligned
!malloc_fast
!malloc_pcimem
!malloc_named
!chunk_malloc
!getbuffer
!pool_getbuffer

% API
! Include DTD configuration.
! Not all features of DTD are available with SESUT yet.
! List headers/text that contain prototypes for the functions to be tested
! for robustness followed by a line consisting of `-'s followed by
! the list of functions to be tested for robustness.
! It is assumed that a .h file that includes all the text listed above
! the line consisting of `-'s is self-compiling in the same context as
! the one used to compile the .sesut file and has the definitions of
! all the objects whose pointers are referenced.
master.h
!../testtools/testtools.h
!../testtools/testtools_private.h
!<stdio.h>
!void mynewapi(int,int);
!------------------------------------------------------
mif_enable
mif_disable
mif_clear
mif_lock
mynewapi

% env
! Use this section to list object modules that are not
! part of the standard build but are used by the tests defined in this
! file. The text following "link:" is inserted into the final link step.
!link:  xyz.o abc.o
!
! Use this section to add any special 'CFLAGS' needed to compile sesut
! generated test file
!cflags: -I../http/http_core/include
!cflags: -I../http/http_core/server
!cflags: -I../ios_http_core/config -I../http_core/lib
!cflags: -DEW_CONFIG_OPTION_CLIENT_CACHE
!
! You can specify functions to be executed before and after the test.
! pretest is executed before executing the unit test and the posttest is
! executed after executing the unit test. These are executed once regardless
! of the repeat count. The prototypes of these functions are expected to be:
! void <pretest>(void);
! void <posttest>(void);
! Define these functions in the 'model prolog' section. Note that these
! are optional. You can have one or both or none.
!pretest:config_my_feature
!posttest:validate_results
! If want want your pretest/posttest functions to receive same
! parameters as the test then specify the functions as:
!pretest_withparams:config_my_feature
!posttest_withparams:validate_results
! The prototypes for these functions would be:
! void <pretest_withparams>(<types of parameters>)
! void <posttest_withparams>(<types of parameters>)
! Parameters are specified using "parameter:" keyword in % model" section.
! If both {pre|post}test and {pre|post}test_withparams are specified:
! pretest is executed before pretest_withparams.
! posttest is executed after posttest_withparams.
!
! You can specify a initializer/finalizer function to be executed
! at the time of test initialization/removal.
! Initializer is executed once during the lifetime of the current instance of
! the test. If the test is part of the image then the initializer is executed
! during subsystem initialization. If the test is a DLST(dynamically loaded)
! then the initializer is executed just after the dynamic load.
! The finalizer is executed when the test is removed (happens when the test is
! being replaced).
! Note that the subsystems in the DLST are not initialized. You must list the
! subsystem init functions in the initializer function. Subsysm header is
! ignored for DLST's. You will not see the subsystems for DLST's listed in
! "show subsys" output.
! Use initializer to perform tasks like registry addition, memory allocation etc.
! Similarly use the finalizer to free these resources. This is an important
The prototypes of these functions are expected to be:

```c
void <initializer>(void);
void <finalizer>(void);
```

Define these functions in the 'model prolog' section. Note that these are optional. You can have one or both or none.

```c
initializer:my_init
finalizer:my_finit
```

% model prolog iou

This code will be copied unchanged to the start of the generated .c file

```c
#include IOS_INC(testtools/sesutlib_ios.h)
#include <routing/iprouting_cmn/include/ip_stats.h>
#include <routing/iprouting_cmn/include/iprouting_debug.h>
#include <routing/iprouting_cmn/include/router_af_actions_registry.h>
```

boolean sesrc;

% model digraph

```c
! Describe the model. You have structured your test as a
! directed graph. Start keywords in column 1. Start the code at an
! offset(2TABS). This line("model digraph") can have an optional keyword.
! That is "vdag". This would generate testcases representing various
! acyclic paths leading from the start node. These tests cover all nodes.
! This does not guarantee that all the edges are covered.
! If your test model is a tree(or hierarchical) or a DAG(Directed Acyclic
! Graph) then you should use this keyword.
!% model digraph vdag
! There are three keywords. They are
! start node <nodeIdentifier> - Specify the start node in the model
! node <nodeIdentifier>: - Beginning of a node description.
```
Open Source Used In IOSXE Releases 17.7.1-images 1891

! Include descriptions for all edges starting at this node.
! If there is code to be executed upon entry to this node
! enter that immediately following this line but before
! entering any edge description.
! -><nodeIdentifier>: - Beginning of an edge description. This describes an
! edge from the node to &lt;n>
! Choose &lt;nodeIdentifier&gt; to be descriptive. Examples: AVLTreeInsert,
! DBSearch, DetachLine
! These identifiers are used during runtime to present execution times
! and other data.
! You can specify parameters for your unit test as follows:
! parameters:(uint interface, char* hostname="abc", uint subInterface=1)
! This should come before the line specifying the start node.
! The parameters can be used in the code for nodes/edges. The values
! for parameters are received via CLI or as a result of direct invocation of
! the generated function. Parameters can be of type 'uint'
! or 'char*'. If values for parameters are provided on CLI defaults are used.
! You should provide default values. If default values are not specified
! then the tool would assign default values. If the type is "uint" the
! default value is 0. Else(type char*) the default value is "".
! During automation the default values are used. Use descriptive names
! for parameters.
start node StartNode
! You can place initialization code that needs to be executed
! prior to entering the start node here.
node StartNode:

! ===== 6 APIs from ip_stats.h/ip_registry.reg =====
! 1. DEFINE show_ip_interface_with_topo

(void) sesut_execcommand(FALSE, "show ip interface e0/0 topology base stats");
printf("\n----- SESUT Test Reg: show_ip_interface_with_topo -----\n");

! 2. DEFINE clear_ip_interface_with_topo

(void) sesut_execcommand(FALSE, "clear ip interface e0/0 topology base stats");
printf("\n----- SESUT Test Reg: clear_ip_interface_with_topo -----\n");

! 3. DEFINE show_ip_traffic_with_topo

(void) sesut_execcommand(FALSE, "show ip traffic topology base");
printf("\n----- SESUT Test Reg: show_ip_traffic_with_topo -----\n");

! 4. DEFINE clear_ip_traffic_with_topo

(void) sesut_execcommand(FALSE, "clear ip traffic topology base");
printf("\n----- SESUT Test: clear_ip_traffic_with_topo -----\n");
! 5. DEFINE show_ip_interface_stats

(void) sesut_execcommand(FALSE, "show ip interface e0/0 stats");
printf("\n----- SESUT Test Reg: show_ip_interface_stats -----\n");

! 6. DEFINE clear_ip_interface_stats

(void) sesut_execcommand(FALSE, "clear ip interface e0/0 stats");
printf("\n----- SESUT Test Reg: clear_ip_interface_stats -----\n");

! ===== 2 APIs from iprouting_debug.h =====

! 1. void
! iprouting_debug_arr_ios_set_csb(struct parseinfo_*csb);

!iprouting_debug_arr_ios_set_csb(NULL);
printf("\n----- SESUT Test: iprouting_debug_arr_ios_set_csb() -----\n");

! 2. void
! iprouting_ios_call_debug_cmd(struct parseinfo_*csb);

!iprouting_ios_call_debug_cmd(NULL);
printf("\n----- SESUT Test: iprouting_ios_call_debug_cmd() -----\n");

! ===== 1 API from router_af_actions_registry.reg =====

! 1. DEFINE address_family_action_named_router REMOTE 3

sesrc = reg_invoke_address_family_action_named_router(NULL);
printf("\n----- SESUT Test Reg: address_family_action_named_router -----\n");

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/test/iproutingcmn_router_cmd.sesut
No license file was found, but licenses were detected in source scan.

/* $Id: iprouting_actions.h,v 3.2 1995/11/17 17:34:39 hampton Exp $ */
/* $Source: /swtal/cherf.111/ios/sys/iprouting/iprouting_actions.h,v $ */
/*------------------------------------------------------------------*/
/* IP routing specific parsing functions. */
/* August 1994, Bruce Cole */
/* Copyright (c) 1994, 2004-2008, 2015 by cisco Systems, Inc. */
/* All rights reserved. */
/*----------------------------------------------------------------------*/
/* $Log: iprouting_actions.h,v $ */
* Revision 3.2 1995/11/17 17:34:39 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:08:30 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/06/07 21:07:35 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/iprouting_actions.h
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_routemap_set_policy.h,v 3.3.52.1 1996/05/21 09:53:12 thille Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_routemap_set_policy.h,v $
*------------------------------------------------------------------
* cfg_routemap_set_policy.h -- Policy specific route map clauses
* *
* Mar 1995 Tony Li
* *
* All rights reserved.
*------------------------------------------------------------------
* $Log: cfg_routemap_set_policy.h,v $
* Revision 3.3.52.1 1996/05/21 09:53:12 thille
* CSCdi51599: multiple /interface/ literals bloat code.
* Branch: California_branch
* Save another 392 bytes by doing away with duplicate literals.
*
* Revision 3.3 1995/11/28 19:50:39 widmer
* CSCdi44251: Replace Ifelse(csb->in_help)/Eval with Func
*
* Revision 3.2 1995/11/17 17:31:55 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:18 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.3 1995/06/21 18:16:03 widmer
* CSCdi36227: Fix parse chain alternates
*
* Revision 2.2 1995/06/15 15:18:47 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:42 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/cfg_routemap_set_policy.h
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
* policylist.c - Routines to handle policy-list commands
* 
* Apr. 2000, Rex Fernando
* 
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/policylist.c
No license file was found, but licenses were detected in source scan.

# # iprouting_api.enum - IP Routing public API enum definitions # 
# August 2009, Prashant Srinivas 
# # Copyright (c) 2009-2010 by cisco Systems, Inc. 
# All rights reserved. 
#------------------------------------------------------------------
#

BEGIN IPROUTING_API

# # Enumeration of the possible reasons for disabling routing on an interface 
# 
# Note, string length of the LONG description, should be <= 16 chars, 
# and contain nothing but alphanumerical characters and _
# 
ENUM routing_disable_flag_t
ITEM ROUTING_DISABLE_FLAG_INT_IF
  LONG "Internal_IF"
END ITEM

END ENUM

END

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/enum/iprouting_api.enum
No license file was found, but licenses were detected in source scan.

/*
 *protofltr_debug.c - Debug functions for protocol filter manager
 *
 * Mercia Zheng, Jan 2006
 *
 * Copyright (c) 2006-2008 by cisco Systems, Inc.
 * All rights reserved.
 *-----------------------------------------------
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug.c
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_router.h,v 3.2.60.2 1996/08/12 16:03:38 widmer Exp $ */
*/
*CFG_ROUTER.H
*
 * Enter router subcommand mode
 *
 * All rights reserved.
 *------------------------------------------------------------------
 */
* $Log: cfg_router.h,v $ *
* Revision 3.2.60.2 1996/08/12 16:03:38 widmer *
* CSCDi65725: Create Eolns macro that defaults csb->which to 0 *
* Branch: California_branch *
* Add Eolns and Nvgenns macro that default csb->which to 0 *
* Remove hidden keyword help strings *
* Revision 3.2.60.1 1996/04/15 21:17:43 bcole *
* CSCDi54649: IP Host Modularity, IP Automatic Stub Routing feature *
* commit
* Branch: California_branch

* Revision 3.2 1995/11/17 17:31:56 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:20 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1 1995/07/01 12:15:46 tli
* CSCDi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:12:17 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_router.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* cfg_router_topology_mode.h - router topology configuration sub mode
*commands.
*
* Sept 2004, Mercia Zheng
*
* Copyright (c) 2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_mode.h
No license file was found, but licenses were detected in source scan.

# All rights reserved.

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/reg/router_topology_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/reg/iprouting_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/reg/ion_iprouting_cmd_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/include/reg/route_map_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/makefile
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/reg/lfafrr_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/reg/router_af_actions_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/reg/routing_context_registry.reg
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/.signature/makefile

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

/* $Id: exec_debug_ip_routing.h,v 3.3.20.1 1996/06/27 04:40:57 mikel Exp $ */
* $Source: /release/112/cvs/Xsys/iprouting/exec_debug_ip_routing.h,v $ *
*------------------------------------------------------------------
* IP routing debug commands
* *
* May 1993, Robert Widmer
* *
* Copyright (c) 1993-2003, 2005-2009, 2019 by cisco Systems, Inc.
* All rights reserved.
* *
*------------------------------------------------------------------
* $Log: exec_debug_ip_routing.h,v $
* Revision 3.3.20.1 1996/06/27 04:40:57 mikel
* CSCdi37749: <debug ip eigrp> help wrong
* Branch: California_branch
* clean up ip-eigrp AS debugging
* *
* Revision 3.3 1996/02/01 23:34:07 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
* *
* Revision 3.2 1995/11/17 17:33:17 hampton
* Remove old entries from the RCS header logs.
* *
* Revision 3.1 1995/11/09 12:07:09 shaker
* Bump version numbers from 2.x to 3.x.
* *
* Revision 2.2 1995/11/08 21:06:22 shaker
* Merge Arkansas_branch into 11.1 mainline.
* *
* Revision 2.1 1995/07/01 12:16:15 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
* *
* Revision 2.1 1995/06/07 22:18:58 hampton
* Bump version numbers from 1.x to 2.x.
* *
*------------------------------------------------------------------
* $Endlog$
/* $Id$
 * $Source$
 *----------------------------------------------------------
 * iprouting_init_ionized.c - ION specific IP Routing Protocol support.
 * 
 * September 2001, Chandra Appanna
 * 
 * Copyright (c) 2001-2012 by cisco Systems, Inc.
 * All rights reserved.
 *----------------------------------------------------------
 * $Log$
 *----------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ionized.c
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *----------------------------------------------------------
 * iprouting_debug.c -- Debugging routines for IP routing
 * 
 * May 1993, John Bashinski
 * 
 * Copyright (c) 1993-2010, 2019 by Cisco Systems, Inc.
 * All rights reserved.
 *----------------------------------------------------------
 * $Log$
 *----------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_debug.c
No license file was found, but licenses were detected in source scan.

/*
 *----------------------------------------------------------
 * cfg_router_topology.h - router topology configuration mode command
 * */
* Sept 2004, Mercia Zheng

* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology.h

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

#---------------------------------------------------------------
# iproutingcmn_router_cmd.run-doxygen -- Run-doxygen Configuration File for
# IP Routing Common Router Commands
#
# December 2007, Chi Iong Ansjory
#
# Copyright (c) 2007-2008, 2012 by cisco Systems, Inc.
# All rights reserved.
#---------------------------------------------------------------

#---------------------------------------------------------------
# RUN-DOXYGEN CONFIG FILE
#
# The variables defined in this file are used by the run-doxygen script to
# execute doxygen and generate API documentation.
# This file will be sourced by a bourne shell script (/bin/sh)
# and so must follow the bourne shell script syntax
#
# This default configuration file is setup to work for the XOS project.
# If you want to reuse it, you must customize the properties below in order to
# make it work for your project.
#
# For more help contact doxygen-trolls@cisco.com
#---------------------------------------------------------------

# The PROJECT_NAME variable is a single word (or a sequence of words surrounded
# by quotes) that should identify the project.
PROJECT_NAME=IPROUTINGCMN_ROUTER_CMD

# The PROJECT_NUMBER tag can be used to enter a project or revision number.
# This could be handy for archiving the generated documentation or
# if some version control system is used.
PROJECT_NUMBER=0.1.0.2

# The latest version of doxygen can be picked on the shared storage
# of the XOS/Component Framework team
# This executable can only run on linux 2.6 !!!!
#DOXYGEN=/auto/ios_comp/tools/doxygen-1.5.4/bin/doxygen
# Change this sanity check when doxygen will be supported for other hosts
#host= `uname -s`
#host_version=`uname -r`
#if [ $host != "Linux" ]; then
  #echo "Error: this wrapper can only be executed from Linux"
  #exit
#fi
#if [ $host_version \!"2.6" ]; then
  #echo "Error: this wrapper requires Linux 2.6 or higher"
  #exit
#fi
#
# The location of the latex suite, this is needed only if the PDF
# generation option is used (-f)
# This binary is also only available on linux 2.6
#
#LATEX_PATH=/auto/ios_comp/tools/tetex/bin/i686-pc-linux-gnu
#LATEX_PATH=/usr/bin
#
#---------------------------------------------------------------------------
# Use this variable to specify one or more wildcard pattern (like *.cpp
# and *.h) to filter out the source-files in the directories.
FILE_PATTERNS="ip_stats.h iprouting_debug.h router_af_actions_registry.regh"

# Exclude all internal defines (defines used to guard against multiple
# inclusions of the same header file)
EXCLUDE_SYMBOLS="_*H* reg_add* reg_delete* service_* reg_used* \
  _reg_add* reg_inv_* reg_svr* _registry_* registry* REG_FLOG *_GEN_ID \
  * _DEFINED *_argt *_res \
  bgp* ospf* debug* route_debug* igrp* ipcache* ipproc* ip_mobile* netred* \
iprouting_acl DEBUG_ROUTING_PROT MISOC_DEBUG_VARS \
DEBUG_ROUTING* ALTP_BGF* __DEBUG_FLAGS* \
iprouting-debug_init iprouting_set_debug_array iprouting6_debug_list_command \
iprouting-debug_list_command iprouting_nsap_debug_list_command \
iprouting-debug_acl_notify \
reg_invoke_address_family_action_get_entries \
reg_invoke_address_family_action_nvgen_exit"

# When all symbols in a project start with a common prefix, by default all
# symbols will be put under the same header in the alphabetical index.
# The IGNORE_PREFIX tag can be used to specify one or more prefixes that
# should be ignored while generating the index headers. This will allow
# to spread the symbol index more evenly.

IGNORE_PREFIX="xos_ XOS_ "

# If the EXTRACT_ALL tag is set to YES doxygen will assume all entities in
# documentation are documented, even if no documentation was available.
# Private class members and static file members will be hidden unless
# the EXTRACT_PRIVATE and EXTRACT_STATIC tags are set to YES

EXTRACT_ALL=YES

# If the EXTRACT_STATIC tag is set to YES all static members of a file
# will be included in the documentation.

EXTRACT_STATIC=YES

# If the HIDE_UNDOC_MEMBERS tag is set to YES, Doxygen will hide all
# undocumented members of documented classes, files or namespaces.
# If set to NO (the default) these members will be included in the
# various overviews, but no documentation section is generated.
# This option has no effect if EXTRACT_ALL is enabled.

HIDE_UNDOC_MEMBERS=NO

# VARIABLES RELATED TO DOXYGEN OUTPUT

# This is the root of the destination folder (local variable)
# Note that the archive area and the workspace area do not have to share the
# same destination root.
DST_BASE=/auto/ios_comp/iprouting_cmn

# This is the URL through which the DST_BASE folder can be accessed
# from the intranet. This URL depends on the location of the storage.
# Contact IT to find out the correct URL.
# (Local variable)
URL_DST_BASE=http://sjc-filer29a-web/projects/ios_comp/iprouting_cmn

# ---- WORSPACE AREA
# Relative path (to DST_BASE) - used by OUTPUT_WORKSPACE (local variable)
WORKSPACE_FOLDER=api-docs

# This is the full pathname of the root under which all normal output folders will be located
OUTPUT_WORKSPACE=$DST_BASE/$WORKSPACE_FOLDER

# This is the URL of the above OUTPUT_WORKSPACE directory
# Only used for displaying where to access the documentation after the doxygen run
URL_WORKSPACE=$URL_DST_BASE/$WORKSPACE_FOLDER
# ---- ARCHIVE AREA
# Relative path (to DST_BASE) - used by OUTPUT_ARCHIVE (local variable)
ARCHIVE_FOLDER=archive/xoslib

# This is the full pathname of the root under which all archive output folders will be located
OUTPUT_ARCHIVE=$DST_BASE/$ARCHIVE_FOLDER

# This is the URL of the above OUTPUT_WORKSPACE directory
# Only used for displaying where to access the documentation after the doxygen run
URL_ARCHIVE=$URL_DST_BASE/$ARCHIVE_FOLDER

#---------------------------------------------------------------------------
# VARIABLES RELATED TO DOXYGEN INPUT

# This is the root of the API source code (local variable)
SRC_BASE=/vob/cisco.comp/routing/iprouting_cmn

# This is the location of all the API public header files (or directories)
# In XOS all public header files are located in one directory
API_PUBLIC="$SRC_BASE/include $SRC_BASE/include/reg"

# This is the location of all the API source code, used with option -all only
# if you want to generate doxygen documentation for the source code
# (only useful for internal code review)
# Do not put the content of API_PUBLIC as it is added automatically
API_ALL="$SRC_BASE/shared $SRC_BASE/ios $SRC_BASE/fox $SRC_BASE/linux"

# The EXAMPLE_PATH tag can be used to specify one or more files or
# directories that contain example code fragments that are included (see
# the @example command).
EXAMPLE_PATH=$SRC_BASE/test/src

# The IMAGE_PATH tag can be used to specify one or more
# directories that contain image that are included in the documentation (see
# the @image command).
# This is only used/relevant if you have images in your API documentation.
IMAGE_PATH=$DST_BASE/api-docs-images

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/docs/iproutingcmn_router_cmd.run-doxygen
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_router_traffic-share.h,v 3.3.20.1 1996/08/12 16:03:58 widmer Exp $
* \$Source: /release/112/cvs/Xsys/iprouting/cfg_router_traffic-share.h,v \$
  *---------------------------------------------------------------
* \cfg_router_traffic-share.h - parsing of the traffic-share command
*
* Oct 1993 Tony Li
*
* All rights reserved.
*---------------------------------------------------------------
* \$Log: cfg_router_traffic-share.h,v \$
  * Revision 3.3.20.1  1996/08/12  16:03:58  widmer
  * CSCdi65725:  Create Eolns macro that defaults csb->which to 0
  * Branch: California_branch
  * Add Eolns and Nvgenns macro that default csb->which to 0
  * Remove hidden keyword help strings
  *
  * Revision 3.3  1996/02/01  23:34:03  widmer
  * CSCDi45325:  Change Keyword/Set to use Keyword_Id macro
  *
  * Revision 3.2  1995/11/17  17:32:35  hampton
  * Remove old entries from the RCS header logs.
  *
  * Revision 3.1  1995/11/09  12:06:21  shaker
  * Bump version numbers from 2.x to 3.x.
  *
  * Revision 2.1  1995/07/01  12:16:07  tli
  * CSCDi36508:  Rationalize parser file placement, part I
  * Rationalize iprouting
  *
  * Revision 2.1  1995/06/07  22:13:22  hampton
  * Bump version numbers from 1.x to 2.x.
  *
  *------------------------------------------------------------------
  * $Endlog$ 
  */

Found in path(s):
  * /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_traffic-
    share.h

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

  /*---------------------------------------------------------------
  * exec_routing_context.h
  *
  * This file defines the routing-context command syntax.
  *
  * March 2009, Derek Yeung
  */
* Copyright (c) 2009-2010, 2015, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/exec_routing_context.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * iprouting_init_ios.c -- IP Routing Init code for Native IOS only
 * October 2001, Rashmi Shrivastava
 * Copyright (c) 2001-2009 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ios.c
No license file was found, but licenses were detected in source scan.

/*
 *
 *------------------------------------------------------------------
 * Generic route tag list support.
 * June 2011, Karthik Subramaniam
 * Copyright (c) 1997-2008, 2010-2012 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/routetag_list.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 */
/* CFG_ROUTER_DEFAULTS.H *

* All Rights Reserved
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_default.h

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

/* $id: iprouting_actions.c,v 3.2 1995/11/17 17:34:38 hampton Exp $
* $Source: /release/112/cvs/Xsys/iprouting/iprouting_actions.c,v $
*------------------------------------------------------------------
* IP routing specific parsing functions.
* August 1994, Bruce Cole
* * Copyright (c) 1994-2010, 2012, 2015, 2017-2018 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log: iprouting_actions.c,v $
* Revision 3.2  1995/11/17  17:34:38  hampton
* Remove old entries from the RCS header logs.
* 
* Revision 3.1  1995/11/09  12:08:28  shaker
* Bump version numbers from 2.x to 3.x.
* 
* Revision 2.1  1995/06/07  21:07:33  hampton
* Bump version numbers from 1.x to 2.x.
* 
*------------------------------------------------------------------
* $Endlog$
*/
/* $Id: ip_prefixlist.c,v 1.1 2011/02/02 21:47:40 vkoshi Exp vkoshi $ 
* $Source: /view/vkoshi-comp_routing_rel5.rel4_1_1_19.2460.ss.comp1.port/vob/ss.comp1/routing/iprouting_cmn/src/ip_prefixlist.c,v $ 
*------------------------------------------------------------------
* Generic prefix list support. 
* 
* June 1997, Enke Chen 
* 
* Copyright (c) 1997-2012, 2016, 2020 by cisco Systems, Inc. 
* All rights reserved. 
*------------------------------------------------------------------
* $Log: ip_prefixlist.c,v $ 
* Revision 1.1 2011/02/02 21:47:40 vkoshi 
* checkin by port_commit 
* 
* Revision 3.1.2.4 1998/03/20 17:03:32 enkechen 
* CSCdj88889: Prefix-list: sho ip prefix-list summ does not pause 
* Branch: FIB_branch 
* 
* Revision 3.1.2.3 1998/02/23 19:43:44 enkechen 
* CSCdj75270: Prefix-list: optimization for downloading large lists 
* Branch: FIB_branch 
* 
* Revision 3.1.2.2 1998/02/11 01:55:32 soma 
* Merge FIB_L3 branch into FIB branch 
* 
* Revision 3.1.2.1.8.1 1998/01/29 00:59:02 enkechen 
* CSCdj77190: Prefix-list: mishandling of long prefix-list names 
* Branch: FIB_L3_branch 
* 
* Revision 3.1.2.1 1997/12/17 21:37:00 enkechen 
* CSCdj61356: Prefix-list - facility for efficient route filtering 
* Branch: FIB_branch 
* 
* Revision 3.1 1997/12/17 01:46:33 enkechen 
* Start with the new file. 
* 
*----------------------------------------------------------------------
* $Endlog$ 
*/ 

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnsrc/iprouting_actions.c
No license file was found, but licenses were detected in source scan.

/*
 *---------------------------------------------------------------
 * ipv4_subsys.c - IPv4 Routing Startup Subsystem
 *
 * July 2005, Mark Schaefer
 *
 * Copyright (c) 2005-2010, 2013 by cisco Systems, Inc.
 * All rights reserved.
 *---------------------------------------------------------------
 */

Found in path(s):
 * /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/ipv4_subsys.c
No license file was found, but licenses were detected in source scan.

/*------------------------------------------------------------------
 * route3_parse.h
 *
 * Route parser functions declarations.
 *
 * March 2002, Victor Kamensky
 *
 * Copyright (c) 2002, 2005-2008 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 */

Found in path(s):
 * /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/route3_parse.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * route1.c -- Routing Support: Common Routines
 *
 * 22-March-1986, Kirk Lougheed
 *
 * Copyright (c) 1986-2020 by cisco Systems, Inc.
 * All rights reserved.
 *------------------------------------------------------------------
 */

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 */
/*
* routemap_track.h -- Route map support for tracking
*
* March 2003  Shyan Wignarajah
*
* All rights reserved.
*---------------------------------------------------------------
*/

/*
* msg_routemap.c -- Message system definitions for Route-map
*
* Copyright (c) 2003, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------
*/

/* Registry for routing context for RP and LC common code.
* September 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------
* $Log$
*---------------------------------------------------------------
* $Endlog$
*/
No license file was found, but licenses were detected in source scan.

/*
*-------------------------------------------------------------
* network_constants.h -- General Networking Constants
* June 2002, interest-idb
* Copyright (c) 2002-2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/network_constants.h
No license file was found, but licenses were detected in source scan.

/* $Id: exec_show_protocols.h,v 3.3.20.1 1996/08/12 16:04:12 widmer Exp $*/
* $Source: /release/112/cvs/Xsys/iprouting/exec_show_protocols.h,v $*
*-------------------------------------------------------------
* EXEC_SHOW_PROTOCOLS.H
* All Rights Reserved
*-------------------------------------------------------------
* $Log: exec_show_protocols.h,v $*
* Revision 3.3.20.1  1996/08/12  16:04:12  widmer*
* Revision 3.2  1995/11/17  17:33:30  hampton*
* Revision 3.1  1995/11/09  12:07:27  shaker*
* Revision 2.1  1995/07/01  12:16:21  tli*
* Rationalize iprouting
* Revision 2.1 1995/06/07 22:25:21 hampton
* Bump version numbers from 1.x to 2.x.
* 
*-----------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/exec_show_protocols.h
No license file was found, but licenses were detected in source scan.

/*
*-----------------------------------------------
* routemap_ios.c -- Route map support routines that can be shared
* by RP and VIP/LC
* 
* July 1998 Wilber Su
* 
* Copyright (c) 1998-2020 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routemap_ios.c
No license file was found, but licenses were detected in source scan.

/*$Id$*/
* $Source$
*-----------------------------------------------
* iprouting_parser.h -- IP routing parser API header file
* 
* April - 2007, Selva Subramanian
* 
* Copyright (c) 2001-2009 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_parser.h
No license file was found, but licenses were detected in source scan.

/*-----------------------------------------------
* iprouting_parse_blob.c
* 
* Parser support for IP ROUTING .
* This file implements proxy eols that call iprouting parser remote registries.

* September 2001, Rashmi Shrivastava

* Copyright (c) 2001-2009 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_parse_blob.c
No license file was found, but licenses were detected in source scan.

/
*---------------------------------------------------------------
* routemap_debug_flags.h -- Routemap debugging support
* July 1998, Wilber Su
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/routemap_debug_flags.h
No license file was found, but licenses were detected in source scan.

/*
*---------------------------------------------------------------
* ip_stats.h - IP for topology aware stats
* February 2006, Jonsky Hsu
* Copyright (c) 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/ip_stats.h
No license file was found, but licenses were detected in source scan.

/*
*---------------------------------------------------------------
* cfg_router_auto_summary.h
*
* October 1993
* Copyright (c) 1993-1996, 1999-2009 by cisco Systems, Inc.
* All rights reserved.
* Supports the router subcommand "auto-summary". Configures auto aggregation
* of routing information to the network number level.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_auto_summary.h
No license file was found, but licenses were detected in source scan.

/*---------------------------------------------------------------
* routemap_internal.c -- Internal functions of routemap code.
* May 2003, Tanya Shastri
* All rights reserved.
*---------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routemap_internal.c
No license file was found, but licenses were detected in source scan.

/* $Id: exec_clear_ip_prefixlist.h,v 3.1.2.1 1997/12/17 21:36:58 enkechen Exp $
 * $Source: /release/111/cvs/Xsys/ip/exec_clear_ip_prefixlist.h,v $
 *---------------------------------------------------------------
 * exec_clear_ip_prefixlist.h
 * July 1997, Enke Chen
* All rights reserved.
*---------------------------------------------------------------
 * $Log: exec_clear_ip_prefixlist.h,v $
 * Revision 3.1.2.1 1997/12/17 21:36:58 enkechen
 * CSCdj61356: Prefix-list - facility for efficient route filtering
 * Branch: FIB_branch
 * Revision 3.1 1997/12/17 01:46:34 enkechen
 * Start with the new file.
 *---------------------------------------------------------------
* All rights reserved.
*------------------------------------------------------------------
* $Log: ip_routing.h,v $
* Revision 3.2 1995/11/17 17:34:12 hampton
* Remove old entries from the RCS header logs.
* 
* Revision 3.1 1995/11/09 12:08:06 shaker
* Bump version numbers from 2.x to 3.x.
* 
* Revision 2.1 1995/06/07 21:07:05 hampton
* Bump version numbers from 1.x to 2.x.
* 
*------------------------------------------------------------------
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/internal_inc/ip_routing.h

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

/
*------------------------------------------------------------------
* policylist_ios.c - IOS stubs for notification routines
* in policylist code
* 
* Jun 2005, Tony P. Ambalathingal
* 
* Copyright (c) 2003, 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/src/policylist_ios.c

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

/
*------------------------------------------------------------------
* cfg_routetag_list.h -- Route Tag List Parser Command
* 
* June 2011, Karthik Subramaniam
* 
* All rights reserved.
* 
*------------------------------------------------------------------
* $Endlog$
*/
No license file was found, but licenses were detected in source scan.

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_routetag_list.h

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * iprouting_registry.c
 * 
 * September 2001, Fan Kong
 * 
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/iprouting_registry.c

/* $Id: cfg_ip_prefixlist.h,v 3.1.2.2 1998/02/23 19:43:42 enkechen Exp $ 
 * $Source: /release/111/cvs/Xsys/ip/cfg_ip_prefixlist.h,v $ 
 *------------------------------------------------------------------
 * cfg_ip_prefix.h -- IP Prefix List Parser Commands
 * 
 * June 1997, Enke Chen
 * 
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log: cfg_ip_prefixlist.h,v $ 
 * Revision 3.1.2.2 1998/02/23 19:43:42 enkechen
 * CSCdj75270: Prefix-list: optimization for downloading large lists
 * Branch: FIB_branch
 * 
 * Revision 3.1.2.1 1997/12/17 21:36:57 enkechen
 * CSCdj61356: Prefix-list - facility for efficient route filtering
 * Branch: FIB_branch
 * 
 * Revision 3.1 1997/12/17 01:46:33 enkechen
 * Start with the new file.
 * 
 *------------------------------------------------------------------
 * $Endlog$
/*

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

/*****************************************************************************/
* routing_context.c
*
* This file has global definitions for routing context support
* common to blob and iprouting processes.
*
* March 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
/*****************************************************************************/
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routing_context.c
No license file was found, but licenses were detected in source scan.

/*****************************************************************************/
* routemap_ios_chain.c -- Route-map generic ios parse chains that
* will be in both RP and VIP/LC
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2004-2008 by cisco Systems, Inc.
* All rights reserved.
/*****************************************************************************/
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_chain.c
No license file was found, but licenses were detected in source scan.

/*****************************************************************************/
* route3_blob.c
*
* IOS and blob specific route3.c parser functions.
*
* March 2002, Victor Kamensky
*
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Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/iprouting_debug_flags.h
No license file was found, but licenses were detected in source scan.

route.h -- IP routing definitions

22-March-1986, Kirk Lougheed

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Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/include/route.h
No license file was found, but licenses were detected in source scan.

route2.c -- Routing Support: User Interface Routines

22-March-1986, Kirk Lougheed

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Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmnn/src/route2.c
No license file was found, but licenses were detected in source scan.

*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_int_ip2_vnet_routing.h
No license file was found, but licenses were detected in source scan.

/* $Id$
 * $Source$
 *------------------------------------------------------------------
 * cfg_route_map.h
 * * Enter route-map subcommand mode
 * *
 * All rights reserved.
 *------------------------------------------------------------------
 * $Log$
 *------------------------------------------------------------------
 * $Endlog$
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_route_map.h
No license file was found, but licenses were detected in source scan.

/*
 *------------------------------------------------------------------
 * routemap_debug.h -- Routemap debugging support
 * *
 * July 1998, Wilber Su
 * *
 * All rights reserved.
 *------------------------------------------------------------------
 */

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/include/routemap_debug.h
No license file was found, but licenses were detected in source scan.

/*/

* route3_ionized.c
*
* ION specific route3.c parser functions.

* March 2002, Victor Kamensky

* Copyright (c) 2002, 2005-2008 by cisco Systems, Inc.
* All rights reserved.
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/route3_ionized.c
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/

*------------------------------------------------------------------
* CFG_ROUTER_BFD.H
*
* Copyright (c) 2004-2008, 2010-2011, 2015 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_router_bfd.h
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/------------------------------------------------------------------
* router_af_parse.h
*
* Route Address Family parser functions declarations.
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/router_af_parse.h
No license file was found, but licenses were detected in source scan.

/------------------------------------------------------------------
* route_map_ion.h - Route map support data structures specific to ION.
*
* January 2002, Siva Yaragalla
*
* Copyright (c) 2002-2009, 2011 by cisco Systems, Inc.
* All rights reserved.
*/

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

/* $Id$
 * $Source$
 * iprouting_commands.h -- Support for extern command function declaration
 * September 2001, Rashmi Shrivastava
 * Copyright (c) 2001-2010, 2013, 2016 by cisco Systems, Inc.
 * All rights reserved.
*/

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

/*
 * protofltr_debug_flags.h -- Protofltr manager debug flags declarations
 * Jan 2006, Mercia Zheng
 * Copyright (c) 2005-2008 by Cisco Systems, Inc.
*/

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

/*
 * routemap_track_ios.c -- Route map support for tracking
 * Functions shared by rp & vip.
*/
March 2003  Shyan Wignarajah

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*/

---

msg_iproute.c - Message file for iproute facility

July 17, 1990, Kevin Paul Herbert

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*/

---

router_af_actions.h

Router Address Family action declarations.

May 2002, Victor Kamensky

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*/

---

$Id: cfg_router_timers.h,v 3.2.60.1 1996/04/15 21:17:46 bcole Exp $
* All Rights Reserved
*------------------------------------------------------------------
* $Log: cfg_router_timers.h,v $
* Revision 3.2.60.1  1996/04/15  21:17:46  bcole
* CSCdi54649:  IP Host Modularity, IP Automatic Stub Routing feature
* commit
* Branch: California_branch
*
* Revision 3.2  1995/11/17  17:32:28  hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1  1995/11/09  12:06:09  shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1  1995/07/01  12:16:04  tli
* CSCdi36508:  Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1  1995/06/07  22:13:13  hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$
* /

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_timers.h

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

/* $Id: cfg_routemap_set_ip_policy.h,v 3.3.52.1 1996/06/18 19:06:39 widmer Exp $ */
* $Source: /release/112/cvs/Xsys/irouting/cfg_routemap_set_ip_policy.h,v $
*------------------------------------------------------------------
* $Log: cfg_routemap_set_ip_policy.h,v $
* Revision 3.3.52.1  1996/06/18  19:06:39  widmer
* CSCdi59706:  parser lets you set tos/precedence bits forever (input
* loop)
* Branch: California_branch
*
* Revision 3.3  1995/11/28  19:50:38  widmer
* CSCdi44251:  Replace Ifelse(csb->in_help)/Eval with Func
* Revision 3.2 1995/11/17 17:31:53 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:16 shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.5 1995/08/16 01:01:15 tli
* CSCdi38512: Policy: TOS and precedence long help says match instead of
* set
*
* Revision 2.4 1995/07/12 07:19:09 tli
* CSCdi36426: Policy routing will not disable on an interface
* - Policy routed packets were creating fastswitching cache entries.
* That's not till _next_ release.
* - Add counters to record packet and byte count on a per route map entry
* basis.
* - Marketing identified a catastrophic deficiency. Implemented "set ip
*    tos" and "set ip precedence" to cover this deficiency.
*
* Revision 2.3 1995/06/21 18:16:02 widmer
* CSCdi36227: Fix parse chain alternates
*
* Revision 2.2 1995/06/15 15:18:47 widmer
* CSCdi35889: parser transition structures should be static
*
* Revision 2.1 1995/06/07 21:05:39 hampton
* Bump version numbers from 1.x to 2.x.
*
*------------------------------------------------------------------
* $Endlog$

*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_set_ip_policy.h
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* Generic prefix list support - prefix lists private header file
*
* March 2002, Siva Yaragalla
*
* All rights reserved.
*------------------------------------------------------------------
*/
/* $Id: cfg_ip_routing_routing.h,v 3.3.46.3 1996/08/12 16:03:33 widmer Exp $ */
* $Source: /release/112/cvs/Xsys/iprouting/cfg_ip_routing_routing.h,v $ *
*------------------------------------------------------------------ *
* IP routing routing commands *
* *
* Copyright (c) 1993-2000, 2002-2009 by cisco Systems, Inc. *
* All rights reserved. *
*
*------------------------------------------------------------------ *
* $Log: cfg_ip_routing_routing.h,v $ *
* Revision 3.3.46.3 1996/08/12 16:03:33 widmer *
* CSCDi65725: Create Eolns macro that defaults csb->which to 0 *
* Branch: California_branch *
* Add Eolns and Nvgenns macro that default csb->which to 0 *
* Remove hidden keyword help strings *
* *
* Revision 3.3.46.2 1996/06/17 23:33:31 hampton *
* Implement the long sought parser "default" keyword. [CSCdi60510] *
* Branch: California_branch *
* *
* Revision 3.3.46.1 1996/04/15 21:17:41 bcole *
* CSCDi54649: IP Host Modularity, IP Automatic Stub Routing feature *
* commit *
* Branch: California_branch *
* *
* Revision 3.3 1995/12/10 00:42:36 pst *
* CSCDi42608: allow IP cache ager to be shut down, make the *
* "ip cache-ager" and "ip cache-invalidate-delay" *
* commands internal only. *
* *
* Revision 3.2 1995/11/17 17:31:40 hampton *
* Remove old entries from the RCS header logs. *
* *
* Revision 3.1 1995/11/09 12:04:59 shaker *
* Bump version numbers from 2.x to 3.x. *
* *
* Revision 2.4 1995/10/23 18:33:19 pst *
* CSCDi42608: allow IP cache ager to be shut down, make the *
* "ip cache-ager" and "ip cache-invalidate-delay" *
* commands internal only. *
* *
* Revision 2.3 1995/07/13 21:39:05 ahh
* CSCdi36962: UDP parsing of tacacs-ds port name broken
* Restore "tacacs-ds" as a keyword, but hide it and map it to TACACS_PORT
* for backwards compatibility.
*
* Revision 2.2 1995/07/11 21:52:08 raj
* CSCdi36510: parser doesn't accept ip forward-protocol udp xdmcp
* (Actually the parser didn't accept *any* symbolic names in the position
* of the UDP port number; only numbers. It now uses the UDP_PORT macro
* instead.
*
* Revision 2.1 1995/07/01 12:15:42 tli
* CSCdi36508: Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1 1995/06/07 22:08:34 hampton
* Bump version numbers from 1.x to 2.x.
*
*-----------------------------------------------
* $Endlog$
*
/ *

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_routing_routing.h
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/ *
*-----------------------------------------------
* exec_debug_protofltr.h
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2009 by cisco Systems, Inc.
*
* All Rights Reserved
*-----------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1210919029_1633472893.55/0/iproute-254-tar/iprouting_cmn/src/exec_debug_protofltr.h

1.168 libyaml 0.1.7-5.el8

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1.169 libunistring 0.9.10 r0

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

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 */
#include "config.h"

#if HAVE_AFNETROM || HAVE_HWINETROM
#include <sys/types.h>
#include <sys/ioctl.h>
#include <sys/socket.h>
#include <net/if_arp.h>
#if (__GLIBC__ > 2) || (__GLIBC__ == 2 && __GLIBC_MINOR__ >= 1)
#include <netax25/ax25.h>
#else
#include <linux/ax25.h>
#endif
#include <stdlib.h>
#include <stdio.h>
#include <ctype.h>
#include <errno.h>
#include <fcntl.h>
#include <string.h>
#include <termios.h>
#include <unistd.h>
#include "net-support.h"
#include "pathnames.h"
#include "intl.h"
#include "util.h"

static char netrom_errmsg[128];

extern struct aftype netrom_aftype;

static char *NETROM_print(unsigned char *ptr)
{
    static char buff[8];
    int i;

    for (i = 0; i < 6; i++) {
        buff[i] = ((ptr[i] & 0377) >> 1);
        if (buff[i] == ' ')
            buff[i] = '\0';
    }
    buff[6] = '\0';
    i = ((ptr[6] & 0x1E) >> 1);
    if (i != 0)
        sprintf(&buff[strlen(buff)], "-%d", i);
    return (buff);
}

/* Display an AX.25 socket address. */
static char *NETROM_sprint(struct sockaddr *sap, int numeric)
{
    char buf[64];
    }
if (sap->sa_family == 0xFFFF || sap->sa_family == 0)
return safe_strncpy(buf, _("[NONE SET]"), sizeof(buf));
return (NETROM_print(((struct sockaddr_ax25 *) sap)->sax25_call.ax25_call));
}

static int NETROM_input(int type, char *bufp, struct sockaddr *sap)
{
    unsigned char *ptr;
    char *orig, c;
    unsigned int i;

    sap->sa_family = netrom_aftype.af;
    ptr = ((struct sockaddr_ax25 *) sap)->sax25_call.ax25_call;

    /* First, scan and convert the basic callsign. */
    orig = bufp;
    i = 0;
    while ((*bufp != '\0') && (*bufp != '-') && (i < 6)) {
        c = *bufp++;
        if (islower(c))
            c = toupper(c);
        if (!(isupper(c) || isdigit(c))) {
            #ifdef DEBUG
            fprintf(stderr, "netrom_input(%s): %s !\n", netrom_errmsg, orig);
            #endif
            errno = EINVAL;
            return (-1);
        }
        *ptr++ = (unsigned char) ((c << 1) & 0xFE);
        i++;
    }
    if ((i == 6) && (*bufp != '-') && (*bufp != '\0')) {
        #ifdef DEBUG
        fprintf(stderr, "netrom_input(%s): %s !\n", netrom_errmsg, orig);
        #endif
        errno = E2BIG;
        return (-1);
    }
    /* Nope, fill out the address bytes with blanks. */
    while (i++ < sizeof(ax25_address) - 1) {
        *ptr++ = (unsigned char) ( (' ' << 1) & 0xFE);
    }
}
/ * See if we need to add an SSID field. */
if (*bufp == '-') {
  i = atoi (++bufp);
  *ptr = (unsigned char) ((i << 1) & 0xFE);
} else {
  *ptr = (unsigned char) '\0';
}

/* All done. */
#ifdef DEBUG
  fprintf(stderr, "netrom_input(%s): ", orig);
  for (i = 0; i < sizeof(ax25_address); i++)
    fprintf(stderr, "%02X ", sap->sa_data[i] & 0377);
  fprintf(stderr, "\n");
#endif

return (0);

/* Display an error message. */
static void NETROM_herror(char *text)
{
  if (text == NULL)
    fprintf(stderr, "%s\n", netrom_errmsg);
  else
    fprintf(stderr, "%s: %s\n", text, netrom_errmsg);
}

static int NETROM_hinput(char *bufp, struct sockaddr *sap)
{
  if (NETROM_input(0, bufp, sap) < 0)
    return (-1);
  sap->sa_family = ARPHRD_NETROM;
  return (0);
}

#if 0
/* Set the line discipline of a terminal line. */
static int KISS_set_disc(int fd, int disc)
{
  if (ioctl(fd, TIOCSETD, &disc) < 0) {
    fprintf(stderr, "KISS_set_disc(%d): %s\n", disc, strerror(errno));
    return (-errno);
  }
  return (0);
}

/* Set the line discipline of a terminal line. */
static int KISS_set_disc(int fd, int disc)
{
  if (ioctl(fd, TIOCSETD, &disc) < 0) {
    fprintf(stderr, "KISS_set_disc(%d): %s\n", disc, strerror(errno));
    return (-errno);
  }
  return (0);
}
/* Start the KISS encapsulation on the file descriptor. */
static int KISS_init(int fd)
{
    if (KISS_set_disc(fd, N_SLIP) < 0)
        return (-1);
    if (ioctl(fd, SIOCSIFENCAP, 4) < 0)
        return (-1);
    return (0);
}
#endif

struct hwtype netrom_hwtype =
{
    "netrom", NULL, /* "AMPR NET/ROM", */ ARPHRD_NETROM, 7,
    NETROM_print, NETROM_hinput, NULL, 0
};

struct aftype netrom_aftype =
{
    "netrom", NULL, /* "AMPR NET/ROM", */ AF_NETROM, 7,
    NETROM_print, NETROM_sprint, NETROM_input, NETROM_herror,
    NULL, NULL, NULL,
    -1,
    "/proc/net/nr"
};

#ifndef/* HAVE_AFNETROM */
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1.172 dmidecode 3.2 r0

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-- $Id: COPYING,v 1.6 2018/01/01 12:00:00 tom Exp $
Upstream source https://invisible-island.net/ncurses/ncurses.html
This package is used for testing builds of ncurses.

Current ncurses maintainer: Thomas Dickey <dickey@invisible-island.net>

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

1.174 libmnl 1.0.4-6.el8

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Markus F.X.J. Oberhumer
<markus@oberhumer.com>
http://www.oberhumer.com/opensource/lzo/
*/

#define LZO_NEED_DICT_H 1
#include "config1c.h"

#if !defined(COMPRESS_ID)
#define COMPRESS_ID LZO_PP_ECONCAT2(DD_BITS,CLEVEL)
#endif
#include "lzo1b_c.ch"

/***************************************************************************
//
***************************************************************************/

#define LZO_COMPRESS \
    LZO_PP_ECONCAT3(lzo1c_COMPRESS_ID,compress)

#define LZO_COMPRESS_FUNC \
    LZO_PP_ECONCAT3(_lzo1c_COMPRESS_ID,compress_func)

/***************************************************************************
//
***************************************************************************/

const lzo_compress_t LZO_COMPRESS_FUNC = do_compress;

LZO_PUBLIC(int)
LZO_COMPRESS ( const lzo_bytep in, lzo_uint in_len,
    lzo_bytep out, lzo_uintp out_len,
    lzo_voidp wrkmem )
{
    return _lzo1c_do_compress(in,in_len,out,out_len,wrkmem,do_compress);
}

/* vim:set ts=4 sw=4 et: */

1.176 libnl3 1:3.5.0-r0
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library `Frob' (a library for tweaking knobs) written by James
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That's all there is to it!

1.179 python-setuptools 39.2.0-6.el8
1.179.1 Available under license : 
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1.180 pcre2 10.32-2.el8
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-----------

PCRE2 is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

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The basic library functions are written in C and are freestanding. Also included in the distribution is a just-in-time compiler that can be used to
optimize pattern matching. This is an optional feature that can be omitted when
the library is built.

THE BASIC LIBRARY FUNCTIONS
-----------------------------

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

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

Written by: Zoltan Herczeg
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1.181 pyasn1 0.4.7 r0

1.181.1 Available under license:

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ASN.1 library for Python
------------------------

[![PyPI](https://img.shields.io/pypi/v/pyasn1.svg?maxAge=2592000)](https://pypi.org/project/pyasn1)
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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on [ASN.1 specification](https://www.itu.int/rec/dologin_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features
--------

* Generic implementation of ASN.1 types (X.208)
* Standards compliant BER/CER/DER codecs
* Dumps/loads ASN.1 structures from Python types
* 100% Python, works with Python 2.4 up to Python 3.7
* MT-safe
* Contributed ASN.1 compiler [Asn1ate](https://github.com/kimgr/asn1ate)

Why using pyasn1
----------------
ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1. [Communication between heterogeneous systems](http://www.oss.com/asn1/dubuisson.html) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

How to use pyasn1
-----------------

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id        INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```bash```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
            'room', Integer().subtype(
                implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
            ),
        ),
        DefaultedNamedType(
            'house', Integer(0).subtype(}
It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
00000: 30 07 02 01 7B 80 02 01 41
```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>> for field in received_record:
...    print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>> record == received_record
```
```
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
```  
Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
  room=321
```  
With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](http://snmplabs.com/pyasn1/), compiled ASN.1 modules for different protocols and file formats could be found in the [pyasn1-modules](https://github.com/etingof/pyasn1-modules).

How to get pyasn1

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

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](http://snmplabs.com/pyasn1/license.html). Source code is freely
You could `pip install pyasn1` or download it from PyPI.

If something does not work as expected, open an issue or post your question on Stack Overflow or try browsing pyasn1 mailing list archives.

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* /opt/cola/permits/1155340545_1618954533.65/0/etingof-pyasn1-v0-4-7-0-g771aa24-1-tar-gz/cryptotools.pyc
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ASN.1 library for Python  
==================================

.. toctree::
:maxdepth: 1

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

The `pyasn1 <https://pypi.org/project/pyasn1/>`_ library implements ASN.1 support in pure-Python.

What is ASN.1  
-------------

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on if was split off the e-mail application and become a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting `discussions <https://news.ycombinator.com/item?id=8871453>`_ on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers <https://developers.google.com/protocol-buffers/>`_, or `FlatBuffers <https://google.github.io/flatbuffers/>`_, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:
* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.

* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.

* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

ASN.1 applications

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

* Signaling standards for the public switched telephone network (SS7 family)
* Network management standards (SNMP, CMIP)
* Directory standards (X.500 family, LDAP)
* Public Key Infrastructure standards (X.509, etc.)
* PBX control (CSTA)
* IP-based Videoconferencing (H.323 family)
* Biometrics (BIP, CBEFF, ACBio)
* Intelligent transportation (SAE J2735)
* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

ASN.1 gotchas

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1> on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

Documentation

.. toctree::
:maxdepth: 2
Use case
--------

.. toctree::
   :maxdepth: 2

/example-use-case

Download & Install
------------------

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   :maxdepth: 2

/download

Changes
-------

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

.. toctree::
   :maxdepth: 1

/changelog

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Getting help
------------

or search
`pyasn1-users <https://lists.sourceforge.net/lists/listinfo/pyasn1-users>`_
mailing list archive.

Books on ASN.1

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The pyasn1 implementation is largely based on reading up the following awesome books:

* `ASN.1 - Communication between heterogeneous systems <http://www.oss.com/asn1/dubuisson.html>`_ by Olivier Dubuisson

Here you can get the official standards which is hard to read:


On the other end of the readability spectrum, here is a quick and sweet write up:


If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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* /opt/cola/permits/1210918651_1633472820.57/0/lua-5.3.4-11.el8.src.rpm-cosi-expand-archive-ODlIFlUh/lua-5.3.4.tar.gz-cosi-expand-archive-E585utAG/lua-5.3.4/doc/contents.html

1.190 dpdk 20.11.1

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1.191 centos-stream 8.4-1.el8

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**1.193 importlib-metadata 0.23-r0**

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1.195 basesystem 11-5.el8

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%global distroname %$(source /etc/os-release; echo ${REDHAT_SUPPORT_PRODUCT})

Summary: The skeleton package which defines a simple %{distroname} system
Name: basesystem
Version: 11
Release: 5%{?dist}
License: Public Domain
Group: System Environment/Base
Requires(pre): setup filesystem
BuildArch: noarch

%description
Basesystem defines the components of a basic %{distroname} system
(for example, the package installation order to use during bootstrapping).
Basesystem should be in every installation of a system, and it should never be removed.

%prep

%build

%install

%clean

%files
%defattr(-,root,root,-)

%changelog
* Tue May 07 2019 CentOS Sources <bugs@centos.org> - 11-5.el8.centos
  - adjust description
  - adjust summary

* Wed Feb 07 2018 Fedora Release Engineering <relen@fedoraproject.org> - 11-5
- Rebuilt for https://fedoraproject.org/wiki/Fedora_28_Mass_Rebuild

* Wed Jul 26 2017 Fedora Release Engineering <releeng@fedoraproject.org> - 11-4
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_27_Mass_Rebuild

* Fri Feb 10 2017 Fedora Release Engineering <releeng@fedoraproject.org> - 11-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_26_Mass_Rebuild

* Wed Feb 03 2016 Fedora Release Engineering <releeng@fedoraproject.org> - 11-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_24_Mass_Rebuild

* Thu Jul 09 2015 Ondrej Vasik <ovasik@redhat.com> 11-1
  - automatically determine OS name at build time (#1195396)

* Wed Jun 17 2015 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-11
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_23_Mass_Rebuild

* Sat Jun 07 2014 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-10
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_21_Mass_Rebuild

* Sat Aug 03 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-9
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_20_Mass_Rebuild

* Wed Feb 13 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-8
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Wed Jul 18 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-7
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Thu Jan 12 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-6
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Thu Jun 23 2011 Ondrej Vasik <ovasik@redhat.com> 10.0-5
  - fix FTBFS typo (#715640), add disttag

* Mon Feb 07 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Fri Jul 24 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Mon Feb 23 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 10.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Mon Oct 20 2008 Phil Knirsch <pknirsch@redhat.com> 10.0-1
  - Bump version and rebuild for Fedora 10 (#451289)

* Fri Mar 02 2007 Phil Knirsch <pknirsch@redhat.com> - 8.1-1
- Cleanup per package review (#225608)

* Wed Jul 12 2006 Jesse Keating <jkeating@redhat.com> - 8.0-5.1.1
  - rebuild

* Fri Dec 09 2005 Jesse Keating <jkeating@redhat.com>
  - rebuilt

* Wed Sep 22 2004 Bill Nottingham <notting@redhat.com>
  - rebuilt

* Fri Feb 13 2004 Elliot Lee <sopwith@redhat.com>
  - rebuilt

* Wed Jan 22 2003 Tim Powers <timp@redhat.com>
  - rebuilt

* Wed Aug 21 2002 Bill Nottingham <notting@redhat.com>
  - bump rev

* Fri Jun 21 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Thu May 23 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Wed Jan 09 2002 Tim Powers <timp@redhat.com>
  - automated rebuild

* Wed Jul 12 2000 Prospector <bugzilla@redhat.com>
  - automatic rebuild

* Tue Jun 6 2000 Bill Nottingham <notting@redhat.com>
  - rebuild. Wheee.

* Sun Mar 21 1999 Cristian Gafton <gafton@redhat.com>
  - auto rebuild in the new build environment (release 4)

* Tue Mar 16 1999 Cristian Gafton <gafton@redhat.com>
  - don't require rpm (breaks dependency chain)

* Tue Mar 16 1999 Erik Troan <ewt@redhat.com>
  - require rpm

* Wed Dec 30 1998 Cristian Gafton <gafton@redhat.com>
  - build for 6.0

* Tue Aug 11 1998 Jeff Johnson <jbj@redhat.com>
1.196 libbsd 0.10.0 r0

1.196.1 Available under license:

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1.200 e2fsprogs
1.42.99+1.43+git0+0f26747167-r0
1.200.1 Available under license :

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
-  
-  Copyright (C) Andrew Tridgell 2005
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

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

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

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This is 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 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) $(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) $(BSD_LIB) \n$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) \n@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

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

clean::
$(RM) -rf pic
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Theodore Ts'o
23-June-2007

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

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

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

<one line to give the program's name and a brief idea of what it does.>
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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

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

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

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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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That's all there is to it!
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>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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END OF TERMS AND CONDITIONS

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

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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.)

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- Julius P. Malkiewicz (julius@sonartech.com.au) contributed FreeBSD portability fixes, the C-\ command implementation, the UUCP locks implementation, and other minor fixes.

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- Salvatore Sanfilippo (https://github.com/antirez) is the author of the linenoise line-editing library. See: https://github.com/antirez/linenoise

- From Cody Schafer's (https://github.com/jmesmon) fork originated the idea to add custom baudrate support to picocom. See: https://github.com/jmesmon/picocom

- From Paul Chakravarti's (https://github.com/paulchakravarti) fork

---
originated the idea to add support for disabling the send- and receive-file commands, and for not using the shell when executing external programs (to avoid shell escapes). See: https://github.com/paulchakravarti/picocom-noexec

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1.205 fipscheck 1.4.1-6.el7

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

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

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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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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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a) Accompany the work with the complete corresponding
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1.209 libroxml 2.3.0 r0

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When we speak of free software, we are referring to freedom of use, 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 and use pieces of it in new free programs; and that you are informed that you can do these things.
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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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-------------
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1.214 pyparsing 2.4.2-r0

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1.216 bzip2 1.0.8 r0

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1.217 libpcre 8.43 r0
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1.218 atomicwrites 1.3.0-r0

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1.219 pycparser 2.20

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pycparser -- A C parser in Python

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1.220 sun-rpc Dec. 2006
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rstat_proc.c

(2) krb5

authunix_prot.c
bindresvport.c
clint_generic.c
clint_perror.c
clint_simple.c
get_myaddress.c
genrpcent.c
pmap_getmaps.c
pmap_getport.c
rpc.callmsg.c
rpc_commondata.c
rpc_dtablesiz.e.c
svc_auth_unix.c
types.hin
xdr_alloc.c
xdr_reference.c

possibly also the following :
include/gssrpc/auth.h
include/gssrpc/auth_unix.h
include/gssrpc/clnt.h
include/gssrpc/netdb.h
include/gssrpc/pmap_clnt.h
include/gssrpc/pmap_prot.h
include/gssrpc/pmap_rmt.h
include/gssrpc/rpc.h
include/gssrpc/rpc_msg.h
include/gssrpc/svc_auth.h
include/gssrpc/svc.h
include/gssrpc/types.h
include/gssrpc/xdr.h
kadmin/server/ovsec_kadmd.c
lib/rpc/auth_none.c
lib/rpc/auth_unix.c
lib/rpc/authunix_prot.c
lib/rpc/bindresvport.c
lib/rpc/clnt_generic.c
lib/rpc/clnt_perror.c
lib/rpc/clnt_raw.c
lib/rpc/clnt_simple.c
lib/rpc/clnt_tcp.c
lib/rpc/clnt_udp.c
lib/rpc/get_myaddress.c
lib/rpc/getrpcent.c
lib/rpc/getrpcport.c
lib/rpc/pmap_clnt.c
lib/rpc/pmap_getmaps.c
lib/rpc/pmap_getport.c
lib/rpc/pmap_prot2.c
lib/rpc/pmap_prot.c
lib/rpc/pmap_rmt.c
lib/rpc/rpc_callmsg.c
lib/rpc/rpc_commondata.c
lib/rpc/rpc_dtablesize.c
lib/rpc/rpc_prot.c
lib/rpc/svc_auth.c
lib/rpc/svc_auth_unix.c
lib/rpc/svc.c
lib/rpc/svc_raw.c
lib/rpc/svc_run.c
lib/rpc/svc_simple.c

lib/rpc/svc_tcp.c
lib/rpc/svc_udp.c

lib/rpc/unit-test/server.c
lib/rpc/xdr_alloc.c

lib/rpc/xdr_array.c
lib/rpc/xdr.c
lib/rpc/xdr_float.c

lib/rpc/xdr_mem.c
lib/rpc/xdr_rec.c
lib/rpc/xdr_reference.c

lib/rpc/xdr_sizeof.c
lib/rpc/xdr_stdio.c

(3) glibc
auth_des.c
authdes_prot.c
auth.h
auth_none.c
auth_unix.c
auth_unix.h
authuxprot.c
bindsvrprt.c
bootparam_prot.x
clnt_gen.c
clnt.h
clnt_perr.c
clnt_raw.c
clnt_simp.c
clnt_tcp.c
clnt_udp.c
clnt_unix.c
des_crypt.c
des_crypt.h
des_soft.c
get_myaddr.c
getrpcport.c
key_call.c
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kdf/kdf_tls.c - Key Derivation Function for TLS

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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a491722522d86864fde86cciscossl-fom-7-0a-201904062312-tar-gz/ciscossl-fom-7.0a.201904062312/crypto/err/err.h
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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a491722522d86864fde86cciscossl-fom-7.0a.201904062312-tar-gz/ciscossl-fom-7.0a.201904062312/crypto/stack/safestack.h

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* Developers and authors:                                                   *
* Shay Gueron (1, 2), and Vlad Krasnov (1)                                  *
* (1) Intel Corporation, Israel Development Center                         *
* (2) University of Haifa                                                   *
* Reference:                                                                *
* S.Gueron and V.Krasnov, "Fast Prime Field Elliptic Curve Cryptography with *
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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a491722522d86864fde86cciscossf-fom-7-0a-201904062312-tar-gz/ciscossf-fom-7.0a.201904062312/fips/hmac/fips_hmac_selftest.c
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/* *.c>, <crypto/*/*.c>, <ssl/*/*.c>, <apps/*/*.c>)
 When this option is NOT specified, the filelist is taken from
 the commandline instead. Here, wildcards may be embedded. (Be
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sure to escape those to prevent the shell from expanding them for you when you wish mkerr.pl to do so instead.)
Default: take file list to scan from the command line.

-reindex Discard the numeric values previously assigned to the error and function codes as extracted from the scanned header files; instead renumber all of them starting from 100. (Note that the numbers assigned through 'R' records in the config file remain intact.)
Default: keep previously assigned numbers. (You are warned when collisions are detected.)

-nostatic Generates a different source code, where these additional functions are generated for each library specified in the config file:
  void ERR_load_<LIB>_strings(void);
  void ERR_unload_<LIB>_strings(void);
  void ERR_<LIB>_error(int f, int r, char *fn, int ln);
#define <LIB>err(f,r) ERR_<LIB>_error(f,r,OPENSSL_FILE,OPENSSL_LINE)
while the code facilitates the use of these in an environment where the error support routines are dynamically loaded at runtime.
Default: 'static' code generation.

-staticloader Prefix generated functions with the 'static' scope modifier.
Default: don't write any scope modifier prefix.

-unref Print out unreferenced function and reason codes.

-write Actually (over)write the generated code to the header and C source files as assigned to each library through the config file.
Default: don't write.

-help / -h / -? / --help Show this help text.

... Additional arguments are added to the file list to scan, assuming '-recurse' was NOT specified on the command line.

EOF
exit 1;
} else {
  last;
}

if($recurse) {
  @source = ( <crypto/*.c>, <crypto/**/*.c>, <ssl/*.c>, <ssl/**/*.c> )
else {              
    @source = @ARGV;             
}                        

# Read in the config file

open(IN, "<$config") || die "Can't open config file $config";

# Parse config file

while(<IN>)            
{                    
    if(/^L\s+(\S+)\s+(\S+)\s+(\S+)/) {          
        $hinc{$1} = $2;             
        $libinc{$2} = $1;                
        $cskip{$3} = $1;               
        if($3 ne "NONE") {       
            $csrc{$1} = $3;           
            $fmax{$1} = 100;          
            $rmax{$1} = 100;          
            $fassigned{$1} = ":";    
            $rassigned{$1} = ":";    
            $fnew{$1} = 0;           
            $rnew{$1} = 0;           
        }        
    }    elsif (/^F\s+(\S+)/) {         
        # Add extra function with $1       
    } elsif (/^R\s+(\S+)\s+(\S+)/) {        
        $rextra{$1} = $2;           
        $rcodes{$1} = $2;          
    }                          
}                          

close IN;

# Scan each header file in turn and make a list of error codes  
# and function names

while (($hdr, $lib) = each %libinc)             
{                            
    next if($hdr eq "NONE"); print STDERR "Scanning header file $hdr\n" if $debug; 
    my $line = "", $def= "", $linenr = 0, $gotfile = 0, $cpp = 0;
    if (open(IN, "$hdr")) [ 
        $gotfile = 1;            
        while(<IN>) {          
            $linenr++;         
        print STDERR "line: $linenr\n" if $debug; }
last if(/BEGIN\n+ERROR\n+CODES/);  
if ($line ne "") {  
    $_. = $line . $_;  
    $line = "";  
}  

if (/\n/) {  
    $line = $_;  
    next;  
}  

if(/\*\*/) {  
    if (not /\*\*/) {  # multiline comment...  
        $line = $_;  # ... just accumulate  
        next;  
    } else {  
        s/\*.*?\*///gs;  # wipe it  
    }  
}  

if ($cpp) {  
    $cpp++ if /^\#.*if/;  
    $cpp-- if /^\#.*endif/;  
    next;  
}  

$cpp = 1 if /^\#.*ifdef.*cplusplus/;  # skip "C" declaration  
next if (/\^\#/);  # skip preprocessor directives  
s/\[^{]*}[^\{\}]*[^\{]*}//gs;  # ignore {} blocks  

if (\^\{\}[^\}]*\}) {  # Add a } so editor works...  
    $line = $_;  
} else {  
    $def .= $_;  
}  
}  

print STDERR "\r" if $debug;  
$defnr = 0;  
# Delete any DECLARE_ macros  
$def =~ s/DECLARE_\w+\([\w,\s]+\)//gs;  
foreach (split /, $def) {  
    $defnr++;  
    print STDERR "def: $defnr\r" if $debug;  
}
The goal is to collect function names from function declarations.

```
s/^[\n\s]*//g;
s/^[\n\s]*$//g;

# Skip over recognized non-function declarations
next if(/typedef\W/ or /DECLARE_STACK_OF/ or /TYPEDEF_.*_OF/);

# Remove STACK_OF(foo)
s/STACK_OF\(w+\)/void/;

# Reduction argument lists to empty ()
# fold round brackets recursively: (t(*v)(t),t) -> (t{}{},t) -> {}
while(/\(.*\)/s) {
  s/\(\[\d\]+\)/\{\}/gs;
  s/\(\s*\*\s*(\w+)\s*\{\}\s*\)/$1/gs;
}
# pretend as we didn't use curly braces: {} -> ()
s/\{\}/\(\)/gs;

if (/\(\w+\)/s) { # first token prior [first] () is
  my $name = $1;    # a function name!
  $name =~ tr/[a-z]/[A-Z]/;
  $ftrans{$name} = $1;
} elsif (/\[\(\)/ and not (/=/)) {
  print STDERR "Header $hdr: cannot parse: \$_\n";
}

print STDERR "                                  " if $debug;

next if $reindex;

# Scan function and reason codes and store them: keep a note of the
# maximum code used.

if ($gotfile) {
  while(<IN>) {
    if(/\^\#define\s+(\S+)\s+(\S+)/) {
      $name = $1;
      $code = $2;
    } elsif (/\\(\)/ and not (/=/)) {
      print STDERR "Header $hdr: cannot parse: \$_\n";
    }
  }

  print STDERR "            \r" if $debug;

next if $reindex;

if ($gotfile) {
  while(<IN>) {
    if(/\^\#define\s+(\S+)\s+(\S+)/) {
      $name = $1;
      $code = $2;
    } elsif (/\\(\)/ and not (/=/)) {
      print STDERR "Invalid error code $name\n";
    }
  }

  if($1 eq "R") {
    $rcodes{$name} = $code;
  }
```
if ($rassigned{$lib} =~ /:$code:/) {
    print STDERR "!! ERROR: $lib reason code $code assigned twice (collision at $name)\n";
    ++$errcount;
}
$rassigned{$lib} .= "$code:"
if(!(exists $rextra{$name}) &&
    ($code > $rmax{$lib}) ) {
    $rmax{$lib} = $code;
} else {
    if ($fassigned{$lib} =~ /:$code:/) {
        print STDERR "!! ERROR: $lib function code $code assigned twice (collision at $name)\n";
        ++$errcount;
    }
    $fassigned{$lib} .= "$code:"
    if($code > $fmax{$lib}) {
        $fmax{$lib} = $code;
    }
    $fcodes{$name} = $code;
}
}
}

if ($debug) {
    if (defined($fmax{$lib})) {
        print STDERR "Max function code fmax" . "{" . "$lib" . "} = $fmax{$lib}\n";
        $fassigned{$lib} =~ m/^:(.*):$/;
        @fassigned = sort {$a <=> $b} split(":", $1);
        print STDERR "  @fassigned\n";
    }
    if (defined($rmax{$lib})) {
        print STDERR "Max reason code rmax" . "{" . "$lib" . "} = $rmax{$lib}\n";
        $rassigned{$lib} =~ m/^:(.*):$/;
        @rassigned = sort {$a <=> $b} split(":", $1);
        print STDERR "  @rassigned\n";
    }
}

if ($lib eq "SSL") {
    if ($rmax{$lib} >= 1000) {
        print STDERR "!! ERROR: SSL error codes 1000+ are reserved for alerts.\n";
        print STDERR "!!        Any new alerts must be added to $config.\n";
        ++$errcount;
        print STDERR "\n";
    }
}
close IN;
}
# Scan each C source file and look for function and reason codes
# This is done by looking for strings that "look like" function or
# reason codes: basically anything consisting of all upper case and
# numerics which has _F_ or _R_ in it and which has the name of an
# error library at the start. This seems to work fine except for the
# oddly named structure BIO_F_CTX which needs to be ignored.
# If a code doesn't exist in list compiled from headers then mark it
# with the value "X" as a place holder to give it a value later.
# Store all function and reason codes found in %ufcodes and %urcodes
# so all those unreferenced can be printed out.

foreach $file (@source) {
# Don't parse the error source file.
next if exists $cskip{$file};
print STDERR "File loaded: ".$file."\r" if $debug;
open(IN, "<$file") || die "Can't open source file $file\n";
my $func;
my $linenr = 0;
while(<IN>) {
# skip obsoleted source files entirely!
last if(/^#error\s+obsolete/);
$linenr++;
if (!/;$/ && /^\**([a-zA-Z_].*[\s*])?([A-Za-z_0-9]+)\(.*([),]|$)/)
{
/^([^()]*(\([^()]*\)[^()]*)*)\(/;
$1 =~ /([A-Za-z_0-9]*)$/;
$func = $1;
}
if(/(([A-Z0-9]+)_F_([A-Z0-9_]+))/) {
next unless exists $csrc{$2};
next if($1 eq "BIO_F_BUFFER_CTX");
$ufcodes{$1} = 1;
if(!exists $fcodes{$1}) {
$fcodes{$1} = "X";
$fnew{$2}++;
}
$ftrans{$3} = $func unless exists $ftrans{$3};
if (uc $func ne $3) {
print STDERR "ERROR: mismatch $file:$linenr $func:$3\n";
$errcount++;
}
print STDERR "Function: $1\t= $fcodes{$1} (lib: $2, name: $3)\n" if $debug;
}
if(/(([A-Z0-9]+)_R_[A-Z0-9_]+)/) {

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next unless exists $csrc{$2};
$urcodes{$1} = 1;
if(!exists $rcodes{$1}) {
$rcodes{$1} = "X";
$rnew{$2}++;
}
print STDERR "Reason: $1\t= $rcodes{$1} (lib: $2)\n" if $debug;
}
close IN;
}
print STDERR "                                  \n" if $debug;

# Now process each library in turn.

foreach $lib (keys %csrc)
{
my $hfile = $hinc{$lib};
my $cfile = $csrc{$lib};
if(!$fnew{$lib} && !$rnew{$lib}) {
extless unless $rebuild;
} else {
print STDERR "$lib:\t\t$fnew{$lib} New Functions, "$;
print STDERR " $rnew{$lib} New Reasons.\n";
extless unless $dowrite;
}
# If we get here then we have some new error codes so we
# need to rebuild the header file and C file.

# Make a sorted list of error and reason codes for later use.

my @function = sort grep(/^${lib}_/,keys %fcodes);
my @reasons = sort grep(/^${lib}_/,keys %rcodes);

# Rewrite the header file

$cpp = 0;
$cplusplus = 0;
if (open(IN, "<$hfile")) {
   # Copy across the old file
   while(<IN>) {
$cplusplus = $cpp if /^#.*ifdef.*cplusplus/;
$cpp++ if /^#if/;
$cpp-- if /^#endif/;
push @out, $_;
last if (/BEGIN ERROR CODES/);
}
close IN;
} else {
    $cpp = 1;
    $cplusplus = 1;
    push @out,
    "/*
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    * $"
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    * this file except in compliance with the License. You can obtain a copy
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    * https://www.openssl.org/source/license.html
    */
    "
    "#ifndef HEADER_${lib}_ERR_H"
    "# define HEADER_${lib}_ERR_H"
    ""
    "# ifdef __cplusplus"
    "extern "C"
    "# endif"
    ""
    "/* BEGIN ERROR CODES */
    
    open (OUT, ">$hfile") || die "Can't Open File $hfile for writing"
    
    print OUT @out;
    undef @out;
    print OUT <<"EOF"
    /*
    * The following lines are auto generated by the script mkerr.pl. Any changes
    * made after this point may be overwritten when the script is next run.
    */
    EOF

if($static) {
    print OUT <<"EOF"
    ${staticloader}int ERR_load_${lib}_strings(void);

    EOF
} else {
    print OUT <<"EOF"
    ${staticloader}int ERR_load_${lib}_strings(void);
    ${staticloader}void ERR_unload_${lib}_strings(void);
    ${staticloader}void ERR_${lib}_error(int function, int reason, char *file, int line);
    # define ${lib}err(f,r) ERR_${lib}_error((f),(r),OPENSSL_FILE,OPENSSL_LINE)

    EOF
}
/* Error codes for the $lib functions. */

/* Function codes. */
EOF

foreach $i (@function) {
$z=48 - length($i);
if($fcodes{$i} eq "X") {
$fassigned{$lib} =~ m/:(\[^:\]*):/;
$ffindcode = $1;
if (!$!defined($ffindcode)) {
$ffindcode = $fmax{$lib};
}
while ($fassigned{$lib} =~ m/:$ffindcode:/) {
$ffindcode++;
}
$fcodes{$i} = $ffindcode;
$fassigned{$lib} =~ m/\$(\[^:\]*):/;
print STDERR "New Function code $i
" if $debug;
}
printf OUT "# define $i%s $fcodes{$i}\n"," x $z;
}

print OUT "\n/* Reason codes. */

foreach $i (@reasons) {
$z=48 - length($i);
if($rcodes{$i} eq "X") {
$rassigned{$lib} =~ m/:(\[^:\]*):/;
$rfindcode = $1;
if (!$!defined($rfindcode)) {
$rfindcode = $rmax{$lib};
}
while ($rassigned{$lib} =~ m/:$rfindcode:/) {
$rfindcode++;
}
$rcodes{$i} = $rfindcode;
$rassigned{$lib} =~ m/\$(\[^:\]*):/;
print STDERR "New Reason code $i
" if $debug;
}
printf OUT "# define $i%s $rcodes{$i}\n"," x $z;
}
print OUT <<"EOF"

EOF
do {
if ($cplusplus == $cpp) {

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print OUT "#", "x$cpp, "ifdef __cplusplus
" print OUT "\n"
print OUT "#", "x$cpp, "endif
"
if ($cpp-- > 0) {
print OUT "#", "x$cpp, "endif
"
} while ($cpp);
close OUT;

# Rewrite the C source file containing the error details.

# First, read any existing reason string definitions:
my %err_reason_strings;
if (open(IN,"<$cfile")) {
my $line = "";
while (<IN>) {
$s|\R|]| # Better chomp
$_. = $line . $_;
$line = "";
if (/\{ERR_\(FUNC|REASON)\//) {
if (/\b($lib)_R\_\w*/b.*\"(.*)\")/ { $err_reason_strings{$1} = $2;
} elsif (/\b$lib_F\_(\w*)\b.*\"(.*)\")/ { if (!exists $ftrans{$1} && ($1 ne $2)) {
print STDERR "WARNING: Mismatched function string $2\n";
$ftrans{$1} = $2;
} else {
$line = $_;
}
}
}
close(IN);

my $hincf;
if($static) {
$hincf = $hfile;
$hincf =~ s|.*include/||;
if ($hincf =~ m|^openssl/|) {
$hincf = "<${hincf}>";
} else {
$hincf = "\"${hincf}\"";
}
} else {
$hincf = "\"$hfile\"";
}
}
# If static we know the error code at compile time so use it
# in error definitions.
if ($static)
{
$pack_errcode = "ERR_LIB_${lib}";
$load_errcode = "0";
}
else
{
$pack_errcode = "0";
$load_errcode = "ERR_LIB_${lib}";
}

open (OUT,">$cfile") || die "Can't open $cfile for writing";
print OUT <<"EOF";
/*
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* https://www.openssl.org/source/license.html
*/
#include <stdio.h>
#include <openssl/err.h>
#include $hincf
/* BEGIN ERROR CODES */
#ifndef OPENSSL_NO_ERR
# define ERR_FUNC(func) ERR_PACK($pack_errcode,func,0)
# define ERR_REASON(reason) ERR_PACK($pack_errcode,0,reason)
static ERR_STRING_DATA ${lib}_str_functs[] = {
EOF
# Add each function code: if a function name is found then use it.
foreach $i (@function) {
my $fn;
$i =~ /^${lib}_F_(\S+)$/;
$fn = $1;
if(exists $ftrans{$fn}) {

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$fn = $ftrans{$fn};
}

# Add each reason code.
foreach $i (@reasons) {
  my $rn;
  my $rstr = "ERR_REASON($i)";
  if (exists $err_reason_strings{$i}) {
    $rn = $err_reason_strings{$i};
  } else {
    $i =~ /^${lib}_R_(\S+)/;
    $rn = $1;
    $rn =~ tr/_/[a-z]/;
  }
  if(length($i) + length($rn) > 55) {
    print OUT "    {${rstr}, "$rn"},
";
  } else {
    print OUT "    {${rstr}, "$rn"},
";
  }
}

if($static) {
  print OUT <<"EOF"
  {0, NULL}
};

static ERR_STRING_DATA $[lib]_str_reasons[] = {
EOF
  # Add each reason code.
  foreach $i (@reasons) {
    my $rn;
    my $rstr = "ERR_REASON($i)";
    if (exists $err_reason_strings{$i}) {
      $rn = $err_reason_strings{$i};
    } else {
      $i =~ /\_\$_[A-Z]/;
      $rn = $1;
      $rn =~ tr/[A-Z]/[a-z]/;
    }
    if(length($i) + length($rn) > 55) {
      print OUT "    {${rstr}, "$rn"},
";
    } else {
      print OUT "    {${rstr}, "$rn"},
";
    }
    if($static) {
      print OUT <<"EOF"
      {0, NULL}
    }
  }
  $[staticloader]int ERR_load_$[lib]_strings(void)
  {
    #ifndef OPENSSL_NO_ERR
      if (ERR_func_error_string($[lib]_str_functs[0].error) == NULL) {
        ERR_load_strings($load_errcode, $[lib]_str_functs);
        ERR_load_strings($load_errcode, $[lib]_str_reasons);
      }
      #endif
    }
return 1;
}
EOF
} else {
print OUT <<"EOF";
{0, NULL}
};
#endif
#endif
#define ${lib}_LIB_NAME
static ERR_STRING_DATA ${lib}_lib_name[] = {
{0, ${lib}_LIB_NAME},
{0, NULL}
};
#endif
static int ${lib}_lib_error_code = 0;
static int ${lib}_error_init = 1;
${staticloader}int ERR_load_${lib}_strings(void)
{
    if (${lib}_lib_error_code == 0)
        ${lib}_lib_error_code = ERR_get_next_error_library();

    if (${lib}_error_init) {
        ${lib}_error_init = 0;
        #ifndef OPENSSL_NO_ERR
        ERR_load_strings(${lib}_lib_error_code, ${lib}_str_functs);
        ERR_load_strings(${lib}_lib_error_code, ${lib}_str_reasons);
        #endif
    
    #ifdef ${lib}_LIB_NAME
    ${lib}_lib_name->error = ERR_PACK(${lib}_lib_error_code, 0, 0);
    ERR_load_strings(0, ${lib}_lib_name);
    #endif
}
return 1;
}

${staticloader}void ERR_unload_${lib}_strings(void)
{
    if (${lib}_error_init == 0) {
        #ifndef OPENSSL_NO_ERR
        ERR_unload_strings(${lib}_lib_error_code, ${lib}_str_functs);
        ERR_unload_strings(${lib}_lib_error_code, ${lib}_str_reasons);
        #endif
    
    #ifdef ${lib}_LIB_NAME
    ERR_unload_strings(0, ${lib}_lib_name);
    #endif
    
    return 1;
}

${staticloader}int ERR_load_${lib}_strings(void)
ifdef ${lib}_LIB_NAME
    ERR_unload_strings(0, ${lib}_lib_name);
#endif
${lib}_error_init = 1;
}

${staticloader}void ERR_${lib}_error(int function, int reason, char *file, int line)
{
    if (${lib}_lib_error_code == 0)
        ${lib}_lib_error_code = ERR_get_next_error_library();
    ERR_PUT_error(${lib}_lib_error_code, function, reason, file, line);
}

EOF

close OUT;
undef %err_reason_strings;
}

if($debug && %notrans) {
    print STDERR "The following function codes were not translated:\n";
    foreach(sort keys %notrans)
    {
        print STDERR "$_\n";
    }
}

# Make a list of unreferenced function and reason codes

foreach (keys %fcodes) {
    push (@funref, $_) unless exists $ufcodes{$_};
}

foreach (keys %rcodes) {
    push (@runref, $_) unless exists $urcodes{$_};
}

if($unref && @funref) {
    print STDERR "The following function codes were not referenced:\n";
    foreach(sort @funref)
    {
        print STDERR "$\n";
    }
}

if($unref && @runref) {
    print STDERR "The following reason codes were not referenced:\n";
    foreach(sort @runref)
    {
        print STDERR "$\n";
    }
}
print STDERR "The following reason codes were not referenced:\n";
foreach(sort @runref)
{
   print STDERR "$_
";
}
}

if($errcount) {
   print STDERR "There were errors, failing...
\n";
   exit $errcount;
}

Found in path(s):
* /opt/cola/permits/1631085881.93/0/6a07d800a0598c18a49172522d86864fde86cciscossi-fom-7-0a-201904062312-tar-gz/ciscossi-fom-7.0a.201904062312/util/mkerr.pl
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* kdf/kdf_802_11i.c - Key Derivation Function for 802.11i
*
* February 2015
*
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*----------------------------------------------------------------------------*/

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# https://www.openssl.org/source/license.html
#
# This is just a quick script to scan for cases where the 'error'
# function name in a XXXerr() macro is wrong.
#
# Run in the top level by going
# perl util/ck_errf.pl */*.c */*/*.c
#
my $err_strict = 0;
my $bad = 0;

foreach $file (@ARGV)
{
  if ($file eq '"-strict")
    {
      $err_strict = 1;
      next;
    }
  open(IN,"<$file") || die "unable to open $file\n";
  $func="";
  while (<IN>)
  {
    last if(/>\#error\s+obsolete/);
    if (!/$/ & & /\*/([a-zA-Z_\-]*[\s*])?([A-Za-z-z_0-9]+)(.*([,)]|$)/)
      {
        $1 =~ /([A-Za-z_0-9]*)$/;
        $func = $1;
        $func =~ tr/A-Z/a-z/;
      } else if (/([A-Za-z-z_0-9]+)err(([^,]+))/ & & !/ckerrIgnore/)
      {
        $errlib=$1;
        $n=$2;
      }
if ($func eq "")
  { print "$file:$.:???:$n
"; $bad = 1; next; }

if ($n !~ /(^[^
]+)\_F\_\([\-]+\)\$/)
  {
  #print "check -file:$func:$n
";
  next;
  }
$lib=$1;
$n=$2;

if ($lib ne $errlib)
  { print "$file:$.:$func:$n \[${errlib}err\]
"; $bad = 1; next; }
$n =~ tr/A-Z/a-z/;
if (($n ne $func) && ($errlib ne "SYS"))
  { print "$file:$.:$func:$n
"; $bad = 1; next; }
  #print "$func:$1
";
  }
close(IN);
 }

if ($bad && $err_strict)
  {
  print STDERR "FATAL: error discrepancy\n"
  exit 1;
  }

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* This command is intended as a test driver for the FIPS-140 testing
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* Contributed by Steve Marquess.
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* tlhelp32.h - Include file for Tool help functions.
*
Written by Mumit Khan <khan@nanotech.wisc.edu>

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This command is intended as a test driver for the FIPS-140 testing lab performing FIPS-140 validation. It demonstrates the use of the OpenSSL library to perform a variety of common cryptographic functions. A power-up self test is demonstrated by deliberately pointing to an invalid executable hash.

Contributed by Steve Marquess.

/*

*/

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/*
* Utilities for constant-time cryptography.
*
* Author: Emilia Kasper (emilia@openssl.org)
* Based on previous work by Bodo Moeller, Emilia Kasper, Adam Langley
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  */opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossf-lom-7-0a-201904062312-tar-gz/ciscossf-lom-7.0a.201904062312/fips/sha/fips_sha1_selftest.c
  */opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossf-lom-7-0a-201904062312-tar-gz/ciscossf-lom-7.0a.201904062312/fips/sha/fips_standalone_sha1.c
  */opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossf-lom-7-0a-201904062312-tar-gz/ciscossf-lom-7.0a.201904062312/fips/sha/fips_standalone_sha1.c
  */opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossf-lom-7-0a-201904062312-tar-gz/ciscossf-lom-7.0a.201904062312/fips/aes/fips_aes_selftest.c
  */opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossf-lom-7-0a-201904062312-tar-gz/ciscossf-lom-7.0a.201904062312/fips/rand/fips_rand.h

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/*-----------------------------------------------
* kdf/kdf_snmp.c - Key Derivation Function for SNMP
*
* February 2015
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* crypto/des/asm/ecb3_enc-octeon.c - Cavium Octeon specific hardware assist  
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#!/usr/bin/env perl

# ==---------------------------------------------------------------
# Written by Andy Polyakov <appro@fy.chalmers.se> for the OpenSSL
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# details see http://www.openssl.org/~appro/cryptogams/.
# ==---------------------------------------------------------------

# I let hardware handle unaligned input(*), except on page boundaries
# (see below for details). Otherwise straightforward implementation
# with X vector in register bank. The module is big-endian [which is
# not big deal as there're no little-endian targets left around].
#
# (*) this means that this module is inappropriate for PPC403? Does
# anybody know if pre-POWER3 can sustain unaligned load?

# -m64-m32
# ----------------------------------
# PPC970,gcc-4.0.0+76%+59%
# Power6,xlc-7+68%+33%

$flavour = shift;

if ($flavour =~ /64/) {

$SIZE_T=8;
$LRSAVE=2*$SIZE_T;
$UCMP="cmpld";
$STU="stdu";
$POP="ld";
$PUSH="std";
} elsif ($flavour =~ /32/) {
$SIZE_T=4;
$LRSAVE=$SIZE_T;
$UCMP="cmplw";
$STU="stwu";
$POP="lwz";
$PUSH="stw";
} else { die "nonsense $flavour"; }

S0 =~ m/(.*[\/\]\]^\[\^\]\]+$/; $dir=$1;
( $xlate="${dir}ppc-xlate.pl" and -f $xlate ) or
( $xlate="${dir}../../perlasm/ppc-xlate.pl" and -f $xlate ) or
die "can't locate ppc-xlate.pl";

open STDOUT,"| $^X $xlate $flavour .shift || die "can't call $xlate: $!";

$FRAME=24*$SIZE_T+64;
$LOCALS=6*$SIZE_T;

$K ="r0";
$sp ="r1";
$toc="r2";
$ctx="r3";
$inp="r4";
$num="r5";
$t0 ="r15";
$t1 ="r6";

$A ="r7";
$B ="r8";
$C ="r9";
$D ="r10";
$E ="r11";
$T ="r12";

@V=($A,$B,$C,$D,$E,$T);
@X=("r16","r17","r18","r19","r20","r21","r22","r23", "r24","r25","r26","r27","r28","r29","r30","r31");

sub BODY_00_19 {
my ($i,$a,$b,$c,$d,$e,$f)=@_; my $j=$i+1;
$code.=<<___ if ($i==0);
  lwz@X[Si],$i*4'($inp)
___
$code.=<<___ if ($i<15);
  lwz@X[Sj],$j*4'($inp)
  add$K,$f,$e
  rotlwi$e,$a,5
  add$K,0,,$d,$b
  and$K,0,,$b
  andc$K,0,,$b
  rotlwi$b,$b,30
  or$t0,0,$t1
  add$K,$f,$t0
___
$code.=<<___ if ($i>=15);
  add$K,0,,$e
  rotlwi$e,$a,5
  xor@X[$j%16],@X[$j%16],@X[(j+2)%16]
  add$K,0,,$d
  xor@X[$j%16],@X[$j%16],@X[(j+8)%16]
  add$K,0,,$b
  xor@X[$j%16],@X[$j%16],@X[(j+13)%16]
  rotlwi@X[$j%16],@X[$j%16],1
___
}

sub BODY_20_39 {
  my ($i,$a,$b,$c,$d,$e,$f)=@_; 
  my $j=$i+1;
  $code.=<<___ if ($i<79);
    add$K,$f,$e
    rotlwi$e,$a,5
    xor@X[$j%16],@X[$j%16],@X[($j+2)%16]
    add$K,0,,$d
    xor@X[$j%16],@X[$j%16],@X[($j+8)%16]
    add$K,0,,$b
    rotlwi$e,$a,5
    xor@X[$j%16],@X[$j%16],@X[($j+13)%16]
    add$K,0,,$f
    rotlwi@X[$j%16],@X[$j%16],1
___
}
$code.=<<___ if ($i==79);
add$f,$K,$e
rotlwi$e,$a,5
lwz16,0($ctx)
add$f,$@X[$i%16]
xor$t0,$b,$c
lwz16,4($ctx)
add$f,$$e
rotlwi$b,$b,30
lwz16,8($ctx)
xor$t0,$t0,$d
lwz16,12($ctx)
add$f,$$t0
lwz16,16($ctx)
___
}

sub BODY_40_59 {
my ($i,$a,$b,$c,$d,$e,$f)=@_
my $j=$i+1;
$code.=<<___;
add$f,$$e
rotlwi$$,$a,5
xor@X[$j%16],@X[$j%16],@X[($j+2)%16]
add$f,$@X[$i%16]
and$t0,$b,$c
xor@X[$j%16],@X[$j%16],@X[($j+8)%16]
add$f,$$$
or$t1,$b,$c
rotlwi$b,$b,30
xor@X[$j%16],@X[$j%16],@X[($j+13)%16]
and$t1,$t1,$d
or$t0,$t0,$t1
rotlwi@X[$j%16],@X[$j%16],1
add$f,$$$
___
}

$code=<<___;
.machine"any"
.text
.globl.sha1_block_data_order
.align4
.sha1_block_data_order:
$STU$sp,-$FRAME($sp)
mflr$0
$PUSH\ r15,`$FRAME-$SIZE_T*17`($sp)
$PUSH\ r16,`$FRAME-$SIZE_T*16`($sp)
$PUSH\ r17,`$FRAME-$SIZE_T*15`($sp)
$PUSH\ r18,`$FRAME-$SIZE_T*14`($sp)
$PUSH\ r19,`$FRAME-$SIZE_T*13`($sp)
$PUSH\ r20,`$FRAME-$SIZE_T*12`($sp)
$PUSH\ r21,`$FRAME-$SIZE_T*11`($sp)
$PUSH\ r22,`$FRAME-$SIZE_T*10`($sp)
$PUSH\ r23,`$FRAME-$SIZE_T*9`($sp)
$PUSH\ r24,`$FRAME-$SIZE_T*8`($sp)
$PUSH\ r25,`$FRAME-$SIZE_T*7`($sp)
$PUSH\ r26,`$FRAME-$SIZE_T*6`($sp)
$PUSH\ r27,`$FRAME-$SIZE_T*5`($sp)
$PUSH\ r28,`$FRAME-$SIZE_T*4`($sp)
$PUSH\ r29,`$FRAME-$SIZE_T*3`($sp)
$PUSH\ r30,`$FRAME-$SIZE_T*2`($sp)
$PUSH\ r31,`$FRAME-$SIZE_T*1`($sp)
$PUSH\ r0,`$FRAME+$LRSAVE`($sp)

lwz\ $A,0($ctx)
lwz\ $B,4($ctx)
lwz\ $C,8($ctx)
lwz\ $D,12($ctx)
lwz\ $E,16($ctx)
andi.\ r0,$inp,3
bne\ Lunaligned

Laligned:
mtctr\ $num
bl\ Lsha1_block_private

; PowerPC specification allows an implementation to be ill-behaved
; upon unaligned access which crosses page boundary. "Better safe
; than sorry" principle makes me treat it specially. But I don't
; look for particular offending word, but rather for 64-byte input
; block which crosses the boundary. Once found that block is aligned
; and hashed separately...

.align4
Lunaligned:
subfic\ $t1,$inp,4096
andi.\ $t1,14095; distance to closest page boundary
srwi.\ $t1,$t1,6; t1/=64
beq\ Lcross_page
$UCMP\ $num,$t1
ble-\ Laligned; didn't cross the page boundary
mtctr\ $t1
subfc\ $num,$t1,$num
bl\ Lsha1_block_private
Lcross_page:
li$t1,16
mtctr$t1
addi$20,$sp,$LOCALS; spot within the frame
Lmemcpy:
    lbz$r16,0($inp)
    lbz$r17,1($inp)
    lbz$r18,2($inp)
    lbz$r19,3($inp)
    addi$inp,$inp,4
    stb$r16,0(r20)
    stb$r17,1(r20)
    stb$r18,2(r20)
    stb$r19,3(r20)
    addi$20,r20,4
    bdnz Lmemcpy
$PUSH$inp.`$FRAME-$SIZE_T*18`($sp)
li$t1,1
addi$inp,$sp,$LOCALS
mtctr$t1
BIL.sha1_block_private
$POP$inp.`$FRAME-$SIZE_T*18`($sp)
addic.$num,$num,-1
bne- Lunaligned
Ldone:
$POP$r0.`$FRAME+SLRSAVE`($sp)
$POP$r15.`$FRAME-$SIZE_T*17`($sp)
$POP$r16.`$FRAME-$SIZE_T*16`($sp)
$POP$r17.`$FRAME-$SIZE_T*15`($sp)
$POP$r18.`$FRAME-$SIZE_T*14`($sp)
$POP$r19.`$FRAME-$SIZE_T*13`($sp)
$POP$r20.`$FRAME-$SIZE_T*12`($sp)
$POP$r21.`$FRAME-$SIZE_T*11`($sp)
$POP$r22.`$FRAME-$SIZE_T*10`($sp)
$POP$r23.`$FRAME-$SIZE_T*9`($sp)
$POP$r24.`$FRAME-$SIZE_T*8`($sp)
$POP$r25.`$FRAME-$SIZE_T*7`($sp)
$POP$r26.`$FRAME-$SIZE_T*6`($sp)
$POP$r27.`$FRAME-$SIZE_T*5`($sp)
$POP$r28.`$FRAME-$SIZE_T*4`($sp)
$POP$r29.`$FRAME-$SIZE_T*3`($sp)
$POP$r30.`$FRAME-$SIZE_T*2`($sp)
$POP$r31.`$FRAME-$SIZE_T*1`($sp)
mtlr$r0
addi$sp,$sp,$FRAME
blr
.long 0
# This is private block function, which uses tailored calling
# interface, namely upon entry SHA_CTX is pre-loaded to given
# registers and counter register contains amount of chunks to
# digest...
$code.=<<___;
.align4
Lsha1_block_private:
___
$code.=<<___;
for($i=0;$i<20;$i++)	{
	&BODY_00_19($i,@V); unshift(@V,pop(@V));
}$code.=<<___;
for($i<40;$i++)	{
	&BODY_20_39($i,@V); unshift(@V,pop(@V));
}$code.=<<___;
for($i<60;$i++)	{
	&BODY_40_59($i,@V); unshift(@V,pop(@V));
}$code.=<<___;
for($i<80;$i++)	{
	&BODY_60_79($i,@V); unshift(@V,pop(@V));
}$code.=<<___;
add	r16,r16,$E
add	r17,r17,$T
add	r18,r18,$A
add	r19,r19,$B
add	r20,r20,$C
stw	r16,0($ctx)
mr	$A,r16
stw	r17,4($ctx)
mr	$B,r17
stw	r18,8($ctx)
mr	$C,r18
stwr19,12($ctx)
mr	$D,r19
stwr20,16($ctx)
mr	$E,r20
addi$inp,$inp,'16*4'
bdnz-Lsha1_block_private
blr
.long0
.byte0,12,0x14,0,0,0,0,0

$code.=<<___;
.asciz"SHA1 block transform for PPC, CRYPTOAMS by <appro@fy.chalmers.se>"

$code =~ s/`([^`]*)`/eval $1/gem;
print $code;
close STDOUT;

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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a491722522d86864fde86cciscossf-lom-7-0a-201904062312-tar-gz/ciscossf-lom-7.0a.201904062312/crypto/sha/asm/sha1-ppc.pl
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* March 2015
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/**
 * rijndael-alg-fst.c
 *
 * @version 3.0 (December 2000)
 *
 * Optimised ANSI C code for the Rijndael cipher (now AES)
 *
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* fips/kdf/fips_kdf_ssh.c - SSH KDF vector tests
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/#------------------------------------------------------------------
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  * /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a491722522d86864fde86cciscossl-fom-7-0a.201904062312-tar-gz/ciscossl-fom-7.0a.201904062312/crypto/objects/obj_dat.h
  * /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a491722522d86864fde86cciscossl-fom-7-0a.201904062312-tar-gz/ciscossl-fom-7.0a.201904062312/crypto/obj_dat.h
/* -----------------------------------------------------------------
* crypto/aes/asm/aes_gcm-octeon.c - Cavium Octeon specific hardware assist
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/* -- -------------------------------------------------------------
 * crypto/sha/asm/sha256-octeon.c - Cavium Octeon specific hardware assist
 * functionality that is to reside within the FIPS canister.
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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598e1f8a491722522d86864fde86cciscossfom-7-0a-201904062312-tar-gz/ciscoossfom-7.0a.201904062312/crypto/cryptlib.h
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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598e1f8a491722522d86864fde86cciscossfom-7-0a-201904062312-tar-gz/ciscoossfom-7.0a.201904062312/crypto/asn1/asn1.h
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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossfom-7-0a-201904062312-tar-gz/ciscossfom-7.0a.201904062312/iOS/FIPS/ios-fips-test-app-tar-gz/HelloWorld2/HelloWorld2/AppDelegate.swift
* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossfom-7-0a-201904062312-tar-gz/ciscossfom-7.0a.201904062312/iOS/FIPS/ios-fips-test-app-tar-gz/HelloWorld2/HelloWorld2/ViewController.swift
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* fips/kdf/fips_kdf_ikev2.c - IKEV2 KDF vector tests
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* /opt/cola/permits/1161903777_1631085881.93/0/6a07d800a05598c1f8a49172522d86864fde86cciscossfom-7-0a-201904062312-tar-gz/ciscossfom-7.0a.201904062312/iOS/FIPS/ios-fips-test-app-tar-gz/HelloWorld2/HelloWorld2/ViewController.swift
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* fips/kdf/fips_kdf_snmp.c - SNMP KDF vector tests
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1.222 softfloat Release 2b

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1.224 cyrus-sasl-lib 2.1.27-5.el8

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1.226 strace 5.7-2.el8

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Version 2.1, February 1999

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

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cfcf2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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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.

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

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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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1.265 catalyst-2k-3k-ibm-ppc-library 1

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*-------------------------------------------------------------------------------
*-------------------------------------------------------------------------------
* File Name: ioLib.s
*
* Function: C-callable assembler functions for I/O.
*
* Author: Bill DeStein.
*
* Change Activity-
*
* Date        Description of Change                                       BY
* 13-Aug-92   Created                                                     WCD
* 27-May-94   Port to Oak                                                 MPT
* 24-Apr-95   Port to Metaware                                            JWB
* 26-Apr-99   Port to Walnut (added in and out byte reversed routines)     JWB
*-------------------------------------------------------------------------------

1.266 iperf 3.7 r0

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* University of Illinois at Urbana-Champaign
* http://www.ncsa.uiuc.edu

* stdio.c
* by Mark Gates <mgates@nlanr.net>
* and Ajay Tirumalla <tirumala@ncsa.uiuc.edu>

* input and output numbers, converting with kilo, mega, giga

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1.267 libffi 3.1-22.el8

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1.268 libverto 0.3.0-5.el8

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1.269 vim-minimal 2:8.0.1763-15.el8

1.270 python3-pycrypto 2.6.1 r0

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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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00INDEX - This file
tsu-notify.mbox - Notification sent per U.S. export regulations
copy/ - Copyright info & public-domain dedications

From dlitz@dlitz.net Wed Aug 27 20:54:38 EDT 2008
X-Maildir-Dup-Checked: Yes
Return-Path: <dlitz@dlitz.net>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESMTP id ECFDFC6641D
for <dwon@rivest.dlitz.net>; Wed, 27 Aug 2008 20:45:06 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
by goedel.dlitz.net (Postfix) with QMQP id 99A9D100AA
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
X-DNSBL: 0
Status: O
Content-Length: 2182
Lines: 65

-----BEGIN PGP SIGNED MESSAGE-----

########################################################
#
# This is a proof of posting certificate from
# stamper.itconsult.co.uk certifying that a user
# claiming to be:-
#   dlitz@dlitz.net
# requested that this message be sent to:-
#   crypt@bis.doc.gov
#   enc@nsa.gov
#   web_site@bis.doc.gov
#   pycrypto@lists.dlitz.net
#   PYTHON-CRYPTO@NIC.SURFNET.NL
#   dlitz@dlitz.net
#
# This certificate was issued at 00:45 (GMT)
# on Thursday 28 August 2008 with reference 0520978
#
# CAUTION: while the message may well be from the sender
# indicated in the "From:" header, the sender
# has NOT been authenticated by this service
#
# For information about the Stamper service see
#   http://www.itconsult.co.uk/stamper.htm
#
########################################################

SUBMISSION TYPE: TSU
SUBMITTED BY: Dwayne C. Litzenberger
SUBMITTED FOR: Dwayne C. Litzenberger
POINT OF CONTACT: Dwayne C. Litzenberger
PHONE and/or FAX: +1-613-693-1296
MANUFACTURER: n/a
PRODUCT NAME/MODEL #: The Python Cryptography Toolkit ("PyCrypto")
ECCN: 5D002

NOTIFICATION: http://www.pycrypto.org/

Note: I am a Canadian citizen posting software to my website located in
Canada. I am not certain whether PyCrypto contains enough US-origin
cryptography to be covered by U.S. export controls, but I am submitting
Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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

(Sorry for spamming the lists, but I want there to be a record of this.)

---

Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

-----BEGIN PGP SIGNATURE-----
Version: 2.6.3i
Charset: noconv
Comment: Stamper Reference Id: 0520978

iQEVAgUBSLX1DYGVvbVwth+BAQEcuuf9EWnXLqSO5bPzR9K9QnTPcsKbTkjKjPxr
d+q0E7e8E8VnvmvijUcTAR9027/vvzOPxdFT864MQA7OTSbpPK39aGAgA4fgAgv9H9t
UNjJkv8QLz/aq2fi/HNjyrwnqFnUl0uqwpOrQGbz8Y+SgpVhlKqy1Ju45L+doq
sxbzCOpjgRv2zDdNR/2SnFmDWQXv8dSeonwIHpQDft/8/LVA/gHiTDmteQI0hJQ6o
XYh7+/HbRjsD741/GSp091IN5ln0UgshFoLIndnNSAvW14aPyh5KCN7ho+BC0v/
WpqSSIPkwnbhIPhoOltTkNc0qKLAHXqMGJNhO8AkrYz0yJksb0HsA==
=3oIX
-----END PGP SIGNATURE-----

From dlitz@dlitz.net Sun Aug  2 21:48:25 2009
Date: Sun, 2 Aug 2009 21:48:25 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Paul Swartz <paulswartz@gmail.com>
Subject: PyCrypto license clarification
Message-ID: <20090803014825.GA1326@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
User-Agent: Mutt/1.5.16 (2007-06-11)
Status: RO
Content-Length: 2631

Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)
Distribute and use freely; there are no restrictions on further dissemination and usage except those imposed by the laws of your country of residence. This software is provided "as is" without warranty of fitness for use or suitability for any purpose, express or implied. Use at your own risk or not at all.

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

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk  (www.amk.ca)

For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Barry Warsaw, Wim Lewis, Jeethu Rao, Joris Bontje, and Mark Moraes, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

=======================================================================
The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

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

Regards,
- Dwayne

--

Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key   - 19E1 1FE8 B3CF F273 ED17  4A24 928C EC13 39C2 5CF7

From paulswartz@gmail.com Mon Aug  3 12:14:07 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <paulswartz@gmail.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger@drlitz.net wrote:

"Open Source Used In IOSXE Releases 17.7.1-images 2982"

by rivest.dlitz.net (Postfix) with ESMTP id 30B9D984FC4
for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 12:14:07 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
by goodel.dlitz.net (Postfix) with QMQP id AD9AE81068
for <dwon@rivest.dlitz.net>; Mon, 3 Aug 2009 10:14:06 -0600 (CST)
Received: (vmailmgr-postfix 32055 invoked by uid 1003); 3 Aug 2009 10:14:06 -0600
Delivered-To: m-dlitz-dlitz@drlitz.net
Received-SPF: pass (gmail.com ... _spf.google.com: 72.14.220.159 is authorized to use 'paulswartz@gmail.com' in
'mfrom' identity (mechanism 'ip4:72.14.192.0/18' matched))
receiver=goodel.dlitz.net; identity=mfrom; envelope-
from="paulswartz@gmail.com"; helo=fg-out-1718.google.com; client-ip=72.14.220.159
Received: from fg-out-1718.google.com (fg-out-1718.google.com [72.14.220.159])
by goodel.dlitz.net (Postfix) with ESMTP id 4E63881066
for <dlitz@drlitz.net>; Mon, 3 Aug 2009 10:14:05 -0600 (CST)
Received: by fg-out-1718.google.com with SMTP id d23so1076840fga.3
for <dlitz@drlitz.net>; Mon, 03 Aug 2009 09:14:04 -0700 (PDT)
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=google.com; s=gamma;
h=domainkey-signature:mime-version:received:in-reply-to:references
:from:date:message-id:subject:to:content-type
:content-transfer-encoding;
b=AYRHBf0TnribKS5qOHJ3WYbkZ+b0cuPeuoKAvpApWcc=;
b=gyTqkRHiHAdFKIZCBWsRbnMNVDq1PWlJdyC0EvxPskaoHr3HAR96MWQNBepu/40Ac
Vn55qIlqTd04e9zUEE6Mwzo9kqi/Qw0I/SLib0DlQeNqo/eHYqPmuVswltaYwNAyMj
Y9++76rPQzYdALsfsmww7Q3/bEmjVT0tQE=
DomainKey-Signature: a=rsa-sha1; c=nofws;
d=google.com; s=gamma;
h=mime-version:in-reply-to:references:from:date:message-id:subject:
to:content-type:content-transfer-encoding;
b=jze7KSfMKUGilVCXKXaaXMi5NAAtGdMQtVZZfRNyG/Sx6xOd2xsefyyig3EfT6Nv6
Q3opUMsT96Q6zjZN555w446KTh2uBTNz4d3NwleEZJnG3xcriRQu/mXPfP8AzPI3CefL
1omJLM1eQ2XYuZA73jem+SJtfdHUCd1Uhg1=
MIME-Version: 1.0
Received: by 10.239.157.147 with SMTP id q19mr601802hbc.61.1249316043185; Mon,
03 Aug 2009 09:14:03 -0700 (PDT)
In-Reply-To: <20090803014825.GA1326@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
From: Paul Swartz <paulswartz@gmail.com>
Date: Mon, 3 Aug 2009 12:13:43 -0400
Message-ID: <324cfb540908030913x71d331f0kb069052fc74e5ae6b@mail.gmail.com>
Subject: Re: PyCrypto license clarification
To: "Dwayne C. Litzenberger" <dlitz@drlitz.net>
Content-Type: text/plain; charset=UTF-8
Content-Transfer-Encoding: quoted-printable
Status: RO
X-Status: A
Content-Length: 1450

On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger@drlitz.net wrote:
Hi Paul,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

That's great!

I understand that you have made contributions to PyCrypto, under nickname "z3p" and/or other names. May I, on your behalf, dedicate to the public all your contributions to PyCrypto, with the following notice?

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

Yes, that's fine. Good luck with the new release!

-p
--=20
Paul Swartz
paulswartz at gmail dot com
http://paulswartz.net/
AIM: z3penguin

From dlitz@dlitz.net Mon Aug  3 14:35:01 2009
Date: Mon, 3 Aug 2009 14:35:01 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Paul Swartz <paulswartz@gmail.com>
Subject: Re: PyCrypto license clarification
Message-ID: <20090803183501.GA17472@rivest.dlitz.net>
References: <20090803014825.GA1326@rivest.dlitz.net>
<324cfb540908030913x71d331f0kb069052f74e5ae6b@mail.gmail.com>
MIME-Version: 1.0
On Mon, Aug 03, 2009 at 12:13:43PM -0400, Paul Swartz wrote:
> On Sun, Aug 2, 2009 at 9:48 PM, Dwayne C. Litzenberger<dlitz@dlitz.net> wrote:
> >> Hi Paul,
> >>
> >> I am the new maintainer of the Python Cryptography Toolkit, and I am
> >> working on a new release at http://www.pycrypto.org/.
> >
> >That's great!
> >
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> >>
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> >> to exercise all rights associated with the contents of this file for
> >> any purpose whatsoever. No rights are reserved.
> >> =========================================================
> >
> >Yes, that's fine. Good luck with the new release!

Perfect! Thanks for the quick response!

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key   - 19E1 1FE8 B3CF F273 ED17 A24928CEC1339C25CF7
From dlitz@dlitz.net Sat Feb 28 21:45:09 2009
Date: Sat, 28 Feb 2009 21:45:09 -0500
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Barry A Warsaw <barry@python.org>
Hi Barry,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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

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--amk (www.amk.ca)

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

Regards,
- Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
  Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From barry@python.org Mon Mar 2 11:29:39 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <barry@python.org>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
  by rivest.dlitz.net (Postfix) with ESMTP id 6E01AC6640B
  for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 11:29:39 -0500 (EST)
Received: from localhost (localhost [127.0.0.1])
  by goedel.dlitz.net (Postfix) with QMQP id 0644E1007A
  for <dwon@rivest.dlitz.net>; Mon, 2 Mar 2009 10:29:39 -0600 (CST)
Received: (vmailmgr-postfix 8668 invoked by uid 1003); 2 Mar 2009 10:29:39 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: none (python.org: No applicable sender policy available) receiver=goedel.dlitz.net; identity=mfrom; envelope-from="barry@python.org"; helo=mail.wooz.org; client-ip=216.15.33.230
Received: from mail.wooz.org (216-15-33-230.c3-0.slvr-ubr2.inh-slvr.md.static.cable.rcn.com [216.15.33.230])
  by goedel.dlitz.net (Postfix) with ESMTP id CCEA110073
  for <dlitz@dlitz.net>; Mon, 2 Mar 2009 10:29:38 -0600 (CST)
Received: from snowdog.wooz.org (snowdog.wooz.org [192.168.11.202])
  by mail.wooz.org (Postfix) with ESMTPSA id ACE30E3C9F
  for <dlitz@dlitz.net>; Mon, 2 Mar 2009 11:29:35 -0500 (EST)
Message-Id: <09BF1A39-B015-4820-97A3-8642490C8254@python.org>
From: Barry Warsaw <barry@python.org>
To: Dwayne C. Litzenberger <dlitz@dlitz.net>
In-Reply-To: <20090301024509.GA13195@rivest.dlitz.net>
Content-Type: text/plain; charset=US-ASCII; format=flowed; delsp=yes
Content-Transfer-Encoding: quoted-printable
Mime-Version: 1.0 (Apple Message framework v930.3)
Subject: Re: PyCrypto license clarification
Date: Mon, 2 Mar 2009 11:29:34 -0500
References: <20090301024509.GA13195@rivest.dlitz.net>
X-Pgp-Agent: GPGMail d55 (v55, Leopard)
X-Mailer: Apple Mail (2.930.3)
Status: RO
On Feb 28, 2009, at 9:45 PM, Dwayne C. Litzenberger wrote:

> I am the new maintainer of the Python Cryptography Toolkit, and I am =20=
> working on a new release at http://www.pycrypto.org/.

Great! I'm glad to see someone taking up the mantle of this important =20=
Python library.

> I understand that you have made contributions to PyCrypto. May I, =20=
> on your behalf, dedicate to the public domain all your contributions =20=
> to PyCrypto, with the following notice?

Absolutely yes.

Cheers,
Barry

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.9 (Darwin)
iQCVAwUBSawJhnEjvBPtnXfVAQLZjgP/ecG+JdZwNvPJRfsa6rhY6+MHLDH16agk
evkJnSJQAcVHlZnV1VeR5lXgvDUMakZJu4SOV7Mqkh5KA9lle7PaD9VSYgn3ra5
gElw12DQDoOy5GExXMm74gqrbr1PCCbCRmpaYNo+DZohwHkeFBjbwDRA3wItOrH7
SK4w9VBJtY=3D
=3DQduY
-----END PGP SIGNATURE-----

On November 23, 2008, you wrote:

>Hi Wim,
>
> I am the new maintainer of the Python Cryptography Toolkit, and I am
working on a new release at http://www.pycrypto.org/.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

   =======================================================================
   The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.
   =======================================================================

Certainly! I think the only code of mine in PyCrypto is the CAST-5 / CAST-128 implementation, which already has a public-domain notice at the top of the file. But I am happy to have that, any any other code of mine that might have wandered in there under an unclear open sourcish license, distributed under the public-domain dedication you quote.

Wim.

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.6 (Darwin)
iQCVAwUBSSnnAI8UnN8n93LBAQLp/gQAh7r7x8Av1mstc2kxEJDW7m26PTAZxMz4B FekthDOzkxgc5580MGGeex/MVn8aw+1BHg0YD85gsntIDzcQtb+BR/xAvJ5zKyAA J/Mn+l+6ekJQ3juh8IPHLAduOXM9Rtgus/yR+Doaq0xOPKOBx+/5+t1JLtBcZ wrPEa90ui9s= =2S9Y
-----END PGP SIGNATURE-----
From dlitz@dlitz.net Sun Nov 23 00:17:22 2008
Date: Sun, 23 Nov 2008 00:17:22 -0500
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: "A. M. Kuchling" <amk@amk.ca>
Subject: PyCrypto license clarification
Message-ID: <20081123051722.GA29253@rivest.dlitz.net>
MIME-Version: 1.0
Content-Type: multipart/signed; micalg=pgp-sha1; protocol="application/pgp-signature"; boundary="YiEDa0DAkWCtVeE4"
Content-Disposition: inline
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/
id=19E11FE8B3CF273ED174A24928CEC1339C25CF7 (only for key signing); preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
Hi Andrew,

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Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

---amk

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Regards,
- Dwayne

--20
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45

--YiEDa0DAkWCtVeE4
Content-Type: application/pgp-signature; name="signature.asc"
Content-Description: Digital signature
Content-Disposition: inline

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.5 (GNU/Linux)
iEYEARECAAYFAdko52lACgkQH7BG4d+eAS0XPPQCfcyQ2DdAXK9g9N7Z+jeSFFD5EZ
yl0An33a3ZjkteyJaTbzEqImOEW8JGpf
=aBEW
-----END PGP SIGNATURE-----

--YiEDa0DAkWCtVeE4--
People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify").

The intention is that it be public domain.

May I, on your behalf, dedicate to the public domain your considerable contributions to PyCrypto, with the following notice?

You may.

--amk
Hi Jeethu,

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--
Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From jeethurao@gmail.com Sun Mar 8 17:28:16 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <jeethurao@gmail.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goedel.dlitz.net (unknown [10.159.255.6])
  by rivest.dlitz.net (Postfix) with ESMTP id 0CC83515D9
for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 17:28:16 -0400 (EDT)
Received: from localhost ([127.0.0.1])
  by goedel.dlitz.net (Postfix) with QMQP id 4E58F450CB
for <dwon@rivest.dlitz.net>; Sun, 8 Mar 2009 15:28:15 -0600 (CST)
Received: (vmailmgr-postfix 5011 invoked by uid 1003); 8 Mar 2009 15:28:15 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: pass (gmail.com ... _spf.google.com: 209.85.128.0/17 matched)
receiver=goedel.dlitz.net; identity=mfrom; envelope-from="jeethurao@gmail.com"; helo=rv-out-0708.google.com; client-ip=209.85.198.249
Received: from rv-out-0708.google.com (unknown [209.85.198.249])
  by goedel.dlitz.net (Postfix) with ESMTP id 3C097449E7
for <dlitz@dlitz.net>; Sun, 8 Mar 2009 15:28:12 -0600 (CST)
Received: by rv-out-0708.google.com with SMTP id k29so1252333rvb.26
  for <dlitz@dlitz.net>; Sun, 08 Mar 2009 14:27:56 -0700 (PDT)

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
  d=dlitz.com; s=gamma;
  h=mime-version:in-reply-to:references:date:message-id:subject:from:to:
  :content-type; bh=ytv5m20U6mIg=;
  b=171bOS7Bx81Qn3Gz51y40UuVQvqTiZc4eDQe6TqUx3Dp77g75UwO9gF
  B5E6VQuGVEyzBbNstyVgq6DHiQtouCLZym5ViobmuDmKn5DiU/CoxpDk0xCxQmHYaas
  L9/A6d3/J66kKrNBe99c0GpcZTiVYkPR0Q=
DomainKey-Signature: a=rsa-sha1; c=relaxed;
  d=dlitz.com; s=gamma;
  h=mime-version:in-reply-to:references:date:message-id:subject:from:to:
  :content-type; bh=ytv5m20U6mIg=;
  b=171bOS7Bx81Qn3Gz51y40UuVQvqTiZc4eDQe6TqUx3Dp77g75UwO9gF
  B5E6VQuGVEyzBbNstyVgq6DHiQtouCLZym5ViobmuDmKn5DiU/CoxpDk0xCxQmHYaas
  L9/A6d3/J66kKrNBe99c0GpcZTiVYkPR0Q=

MIME-Version: 1.0
Hi Dwayne,

My contribution to pycrypto are very very minimal (The sha256 module, IIRC).
I'd be fine with the public domain license for PyCrypto.

Jeethu Rao

PS: Apologies for the delay in my response.
I don't really check this email address all that often,
please direct any further correspondence to jeethu@jeethurao.com

On Sun, Mar 1, 2009 at 9:54 AM, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote:

> Hi Jeethu,
> 
> I am the new maintainer of the Python Cryptography Toolkit, and I am
> working on a new release at http://www.pycrypto.org/.
> 
> People often ask me what license PyCrypto is covered by, if it's
> GPL-compatible, etc. Right now, I'm not really sure what to tell them. The
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> any purpose whatsoever. No rights are reserved.

> Regards,
> - Dwayne

> --
> Dwayne C. Litzenberger <dlitz@dlitz.net>
>      Key-signing key - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
>

> --
> Jeethu Rao

> --000e0cd209d0e5a3d40464a23054
Content-Type: text/html; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Hi Dwayne,<div><p>My contribution to pycrypto are very very minimal (The sha25=6 module, IRC).</p><p>&lt;div&gt;&lt;div&gt;&lt;br&gt;&lt;/div&gt;&lt;div&gt;Jeethu Rao&lt;/div&gt;&lt;div&gt;PS: Apologies fo=r the delay in my response.=A0&lt;/div&gt;&lt;div&gt;&lt;br&gt;&lt;/div&gt;&lt;div&gt;I don't really check this email address all that often.</p></div>
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Regards,

- Dwayne

--

Dwayne C. Litzenberger <<a href="mailto:dlitz@dlitz.net" target="_blank">dlitz@dlitz.net</a>>

--000e0cd209d0e5a3d40464a23054--

PyCrypto Code Submission Requirements - Rev. C

Last updated: 2009-02-28

In an effort to further clarify PyCrypto's licensing terms, anyone submitting code to PyCrypto must be able to certify the following (taken from the Linux kernel's SubmittingPatches file):

Developer's Certificate of Origin 1.1

By making a contribution to this project, I certify that:

(a) The contribution was created in whole or in part by me and I have the right to submit it under the open source license indicated in the file; or

(b) The contribution is based upon previous work that, to the best of my knowledge, is covered under an appropriate open source
license and I have the right under that license to submit that work with modifications, whether created in whole or in part by me, under the same open source license (unless I am permitted to submit under a different license), as indicated in the file; or

(c) The contribution was provided directly to me by some other person who certified (a), (b) or (c) and I have not modified it.

(d) I understand and agree that this project and the contribution are public and that a record of the contribution (including all personal information I submit with it, including my sign-off) is maintained indefinitely and may be redistributed consistent with this project or the open source license(s) involved.

In addition, the code's author must not be a national, citizen, or resident of the United States of America.

In addition, the code must not be of U.S. origin.

In addition, all new code contributed to PyCrypto must be dedicated to the public domain as follows:

The contents of this file are dedicated to the public domain. To the extent that dedication to the public domain is not available, everyone is granted a worldwide, perpetual, royalty-free, non-exclusive license to exercise all rights associated with the contents of this file for any purpose whatsoever. No rights are reserved.

=== EOF ===
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===================================================================

Regards,
- Dwayne

--
Dwayne C. Litzenberger <dlitz@dlitz.net>
Key-signing key   - 19E1 1FE8 B3CF F273 ED17  4A24 928C EC13 39C2 5CF7
Hi Dwayne,
Thanks for taking over the PyCrypto library and putting in the required effort to keep this going.
I was very excited to read that it is now one of the installed libraries for Google AppsEngine!

You have my full permission to dedicate all my contributions to PyCrypto to the public domain with your suggested notice:

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

Regards,
Joris

Citeren "Dwayne C. Litzenberger" <dlitz@dlitz.net>:

> Hi Joris,
> >
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From dlitz@dlitz.net Tue May  5 17:53:47 2009
Date: Tue, 5 May 2009 17:53:47 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: joris@bontje.nl
Subject: Re: PyCrypto license clarification
Message-ID: <20090505215347.GB9933@rivest.dlitz.net>
References: <20090505024914.GA9219@rivest.dlitz.net>
<20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Disposition: inline
In-Reply-To: <20090505090825.gsq1ps7hg08wwwok@www.webmail.vuurwerk.nl>
X-Primary-Address: dlitz@dlitz.net
X-Homepage: http://www.dlitz.net/
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=19E11FE8B3CF273ED174A24928CEC1339C25CF7 (only for key signing);
preference=unprotected
X-OpenPGP: url=http://www.dlitz.net/go/gpgkey/;
id=4B2AFD82FC7D9E3838D9179F1C11B877E7804B45 (2008);
Excellent! Thank you!

On Tue, May 05, 2009 at 09:08:25AM +0200, joris@bontje.nl wrote:
> Hi Dwayne,
> >
> > Thanks for taking over the PyCrypto library and putting in the required
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> >>
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> >>
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--
Dwayne C. Litzenberger <dlitz@dlitz.net>

Key-signing key   - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7
Annual key (2008) - 4B2A FD82 FC7D 9E38 38D9 179F 1C11 B877 E780 4B45
From dlitz@dlitz.net Sat Apr 18 09:14:20 2009
Date: Sat, 18 Apr 2009 09:14:20 -0400
From: "Dwayne C. Litzenberger" <dlitz@dlitz.net>
To: Mark Moraes <moraes@computer.org>
Subject: PyCrypto license clarification
Message-ID: <20090418131419.GA14494@rivest.dlitz.net>
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Key-signing key   - 19E1 1FE8 B3CF F273 ED17 4A24 928C EC13 39C2 5CF7

From markmoraes@yahoo.com Mon Apr 20 19:25:37 2009
X-Maildir-Dup-Checked: Yes
Return-Path: <markmoraes@yahoo.com>
X-Original-To: dwon@rivest.dlitz.net
Delivered-To: dwon@rivest.dlitz.net
Received: from goodel.dlitz.net (unknown [10.159.255.6])
by rivest.dlitz.net (Postfix) with ESPMD id 5D9AE984FDD
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 19:25:37 -0400 (EDT)
Received: from localhost (localhost [127.0.0.1])
by goodel.dlitz.net (Postfix) with QMTP id DE41F4025F
for <dwon@rivest.dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)
Received: (vmailmgr-postfix 7604 invoked by uid 1003); 20 Apr 2009 17:25:36 -0600
Delivered-To: m-dlitz-dlitz@dlitz.net
Received-SPF: none (yahoo.com: No applicable sender policy available) receiver=goodel.dlitz.net; identity=mfrom;
envelope-from="markmoraes@yahoo.com"; helo=web32405.mail.mud.yahoo.com; client-ip=68.142.207.198
Received: from web32405.mail.mud.yahoo.com (web32405.mail.mud.yahoo.com [68.142.207.198])
by goodel.dlitz.net (Postfix) with SMTP id B5EAF401EE
for <dlitz@dlitz.net>; Mon, 20 Apr 2009 17:25:36 -0600 (CST)
Received: (qman 34697 invoked by uid 60001); 20 Apr 2009 23:25:33 -0000
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=yahoo.com; s=sl024; t=1240269933;
b=OvxqbYnCg7R6tUN3YnlgFURM3CuHh1JeHyXhDzkaThU=; h=Message-ID:X-YMail-OSG:Received:X-
Mailer:Date:From:Reply-To:Subject:To:MIME-Version:Content-Type;
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Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

Regards,
Mark.

--- On Sat, 4/18/09, Dwayne C. Litzenberger <dlitz@dlitz.net> wrote:

> From: Dwayne C. Litzenberger <dlitz@dlitz.net>
> Subject: PyCrypto license clarification
> To: "Mark Moraes" <moraes@computer.org>
> Date: Saturday, April 18, 2009, 9:14 AM
> Hi Mark,
> I am the new maintainer of the Python Cryptography Toolkit,
> and I am working on a new release at http://www.pycrypto.org/.
> People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them. The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify").
> Distribute and use freely; there are
For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide_ by Van Lindberg. I have already contacted A. M. Kuchling, Robey Pointer, Wim Lewis, Jeethu Rao, and Barry Warsaw, and they have all approved the following dedication for their contributions.

I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

The contents of this file are

Incorporating the code into commercial products is permitted; you do not have to make source available or contribute your changes back (though that would be nice).

--amk

(www.amk.ca)
Thanks a lot, and don't worry about not responding to previous emails. I do that too much myself. :)

On Mon, Apr 20, 2009 at 04:25:32PM -0700, M Moraes wrote:
Hi Dwayne.

Sure, the new license sounds fine for all my contributions to PyCrypto, and thanks for taking it on. My apologies for not responding to your previous e-mail.

Regards,

Mark.

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Date: Saturday, April 18, 2009, 9:14 AM

Hi Mark,

I am the new maintainer of the Python Cryptography Toolkit, and I am working on a new release at http://www.pycrypto.org/.

People often ask me what license PyCrypto is covered by, if it's GPL-compatible, etc. Right now, I'm not really sure what to tell them.

The text in the current LICENSE file (quoted below) is not entirely clear on the point of whether distributing modified versions is allowed. (It says "distribute and use", but not "modify".)

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I understand that you have made contributions to PyCrypto. May I, on your behalf, dedicate to the public domain all your contributions to PyCrypto, with the following notice?

```
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Regards,
- Dwayne
For the next PyCrypto release, I would like to take steps to move toward a clearer licensing regime. I am asking as many copyright holders as I can find if I can release PyCrypto under something clearer and more standard. Below, I have quoted a public domain dedication that was recommended in _Intellectual Property and Open Source: A Practical Guide to Protecting Code_, by Van Lindberg. I have already contacted A. M. Kuchling, and he has approved the following dedication for his contributions.

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In case I haven’t replied to this yet: Yes, this is fine with me.

robey

-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.8 (Darwin)

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=Mv6g
-----END PGP SIGNATURE-----

Copyright and licensing of the Python Cryptography Toolkit ("PyCrypto"):
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Previously, the copyright and/or licensing status of the Python Cryptography Toolkit ("PyCrypto") had been somewhat ambiguous. The original intention of Andrew M. Kuchling and other contributors has been to dedicate PyCrypto to the public domain, but that intention was not necessarily made clear in the original disclaimer (see LEGAL/copy/LICENSE.orig).

Additionally, some files within PyCrypto had specified their own licenses that differed from the PyCrypto license itself. For example, the original RIPEMD.c module simply had a copyright statement and warranty disclaimer, without clearly specifying any license terms. (An updated version on the author's website came with a license that contained a GPL-incompatible advertising clause.)

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1. Obtaining explicit permission from the original contributors to dedicate their contributions to the public domain if they have not already done so. (See the "LEGAL/copy/stmts" directory for contributors' statements.)

2. Replacing some modules with clearly-licensed code from other sources (e.g. the DES and DES3 modules were replaced with new ones based on Tom St. Denis's public-domain LibTomCrypt library.)

3. Replacing some modules with code written from scratch (e.g. the RIPEMD and Blowfish modules were re-implemented from their respective algorithm specifications without reference to the old implementations).
4. Removing some modules altogether without replacing them.

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00INDEX   This file
LICENSE.orig Original (deprecated) license for the Python Cryptography Toolkit
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1.271 michael-ringgaard-localization 1.0

1.271.1 Available under license:

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

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1.272 cryptsetup 2.2.1 r0
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Version 2.1, February 1999

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 * pw.h
 *
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 *
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 */

/*
edt: * pw_type_t
 *   Possible formats of saving the password in SysDB.
 *
 * item: PW_TYPE_CLEAR
 *   The password in the clear, visible for anybody.
 *
 * item: PW_TYPE_1WAY
 *   The password encrypted to an MD5 digest. This is not reversible.
 *
 * item: PW_TYPE_1WAY_2
 *   The password encrypted to an sha256 digest. This is not reversible.
 *
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 *
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 */

@DIRECTIVES{
    auto_import_stg = false;
    skip_auto_tdl_include = true;
}@

@IMPORT_STG{
    import "constant_gen.stg";
}@

@TDL{
    import "pw_const.tdl"
}@

@CODE{
#ifdef __TDLC_GEN_PW_CONST_H__
#define __TDLC_GEN_PW_CONST_H__

$constant_generate()$

#endif /* __TDLC_GEN_PW_CONST_H__ */

}@

Found in path(s):
* /opt/cola/permits/1210918697_1633473312.67/0/pw-tar/pw/include/pw_const.tph

1.274 ipcalc 0.2.4-4.el8
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Support for the Internationalised Domain Names in Applications (IDNA) protocol as specified in `RFC 5891 <http://tools.ietf.org/html/rfc5891>`_. This is the latest version of the protocol and is sometimes referred to as “IDNA 2008”.

This library also provides support for Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_.

This acts as a suitable replacement for the “encodings.idna” module that comes with the Python standard library, but only supports the old, deprecated IDNA specification (`RFC 3490 <http://tools.ietf.org/html/rfc3490>`_).

Basic functions are simply executed:

.. code-block:: pycon

    # Python 3
    >>> import idna
    >>> idna.encode(‘.’)
    b’xn--eckwd4c7c.xn--zckzah’
    >>> print(idna.decode(‘xn--eckwd4c7c.xn--zckzah’))
    .

    # Python 2
    >>> import idna
    >>> idna.encode(u’.’)
    ‘xn--eckwd4c7c.xn--zckzah’
Packages
--------

The latest tagged release version is published in the PyPI repository:

.. image:: https://badge.fury.io/py/idna.svg
   :target: http://badge.fury.io/py/idna

Installation
------------

To install this library, you can use pip:

.. code-block:: bash

   $ pip install idna

Alternatively, you can install the package using the bundled setup script:

.. code-block:: bash

   $ python setup.py install

This library works with Python 2.7 and Python 3.4 or later.

Usage
-----

For typical usage, the ``encode`` and ``decode`` functions will take a domain name argument and perform a conversion to A-labels or U-labels respectively.

.. code-block:: pycon

   # Python 3
   >>> import idna
   >>> idna.encode('.
   b'xn--eckwd4c7c.xn--zckzah'
   >>> print(idna.decode('xn--eckwd4c7c.xn--zckzah'))
   .

You may use the codec encoding and decoding methods using the ``idna.codec`` module:
Conversions can be applied at a per-label basis using the ``ulabel`` or ``alabel`` functions if necessary:

```python
# Python 2
>>> idna.alabel(u'')
'xn--0zwm56d'
```

Compatibility Mapping (UTS #46)

As described in `RFC 5895 <http://tools.ietf.org/html/rfc5895>`_, the IDNA specification no longer normalizes input from different potential ways a user may input a domain name. This functionality, known as a “mapping”, is now considered by the specification to be a local user-interface issue distinct from IDNA conversion functionality.

This library provides one such mapping, that was developed by the Unicode Consortium. Known as `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_, it provides for both a regular mapping for typical applications, as well as a transitional mapping to help migrate from older IDNA 2003 applications.

For example, “Königsgäßchen” is not a permissible label as *LATIN CAPITAL LETTER K* is not allowed (nor are capital letters in general). UTS 46 will convert this into lower case prior to applying the IDNA conversion.
Transitional processing provides conversions to help transition from the older 2003 standard to the current standard. For example, in the original IDNA specification, the *LATIN SMALL LETTER SHARP S* (ß) was converted into two *LATIN SMALL LETTER S* (ss), whereas in the current IDNA specification this conversion is not performed.

.. code-block:: pycon

```python
# Python 2
>>> idna.encode(u'Königsgäßchen', uts46=True, transitional=True)
'xn--knigsgsschen-lcb0w'
```

Implementors should use transitional processing with caution, only in rare cases where conversion from legacy labels to current labels must be performed (i.e. IDNA implementations that pre-date 2008). For typical applications that just need to convert labels, transitional processing is unlikely to be beneficial and could produce unexpected incompatible results.

``encodings.idna`` Compatibility

+---------------------------------------------+

Function calls from the Python built-in ``encodings.idna`` module are mapped to their IDNA 2008 equivalents using the ``idna.compat`` module. Simply substitute the ``import`` clause in your code to refer to the new module name.

Exceptions

--------

All errors raised during the conversion following the specification should raise an exception derived from the ``idna.IDNAError`` base class.

More specific exceptions that may be generated as ``idna.IDNABidiError`` when the error reflects an illegal combination of left-to-right and right-to-left characters in a label; ``idna.InvalidCodepoint`` when a specific codepoint is an illegal character in an IDN label (i.e. INVALID); and ``idna.InvalidCodepointContext`` when the codepoint is illegal based on its positional context (i.e. it is CONTEXTO or CONTEXTJ but the contextual requirements are not satisfied.)

Building and Diagnostics

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

The IDNA and UTS 46 functionality relies upon pre-calculated lookup tables for performance. These tables are derived from computing against eligibility criteria in the respective standards. These tables are computed using the command-line script ``tools/idna-data``.

This tool will fetch relevant tables from the Unicode Consortium and perform the
required calculations to identify eligibility. It has three main modes:

* ``idna-data make-libdata``. Generates ``idnadata.py`` and ``uts46data.py``, the pre-calculated lookup tables using for IDNA and UTS 46 conversions. Implementors who wish to track this library against a different Unicode version may use this tool to manually generate a different version of the ``idnadata.py`` and ``uts46data.py`` files.

* ``idna-data make-table``. Generate a table of the IDNA disposition (e.g. PVALID, CONTEXTJ, CONTEXTO) in the format found in Appendix B.1 of RFC 5892 and the pre-computed tables published by `IANA <http://iana.org/>`_.

* ``idna-data U+0061``. Prints debugging output on the various properties associated with an individual Unicode codepoint (in this case, U+0061), that are used to assess the IDNA and UTS 46 status of a codepoint. This is helpful in debugging or analysis.

The tool accepts a number of arguments, described using ``idna-data -h``. Most notably, the ``--version`` argument allows the specification of the version of Unicode to use in computing the table data. For example, ``idna-data --version 9.0.0 make-libdata`` will generate library data against Unicode 9.0.0.

Note that this script requires Python 3, but all generated library data will work in Python 2.7.

Testing
-------

The library has a test suite based on each rule of the IDNA specification, as well as tests that are provided as part of the Unicode Technical Standard 46, `Unicode IDNA Compatibility Processing <http://unicode.org/reports/tr46/>`_.

The tests are run automatically on each commit at Travis CI:

.. image:: https://travis-ci.org/kjd/idna.svg?branch=master
   :target: https://travis-ci.org/kjd/idna

Platform: UNKNOWN
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: Intended Audience :: System Administrators
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python
Classifier: Programming Language :: Python :: 2
Classifier: Programming Language :: Python :: 2.7
Classifier: Programming Language :: Python :: 3
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.

```python
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',
    'Programming Language :: Python :: 3.7',
    'Programming Language :: Python :: 3.8',
    'Programming Language :: Python :: Implementation :: CPython',
    'Programming Language :: Python :: Implementation :: PyPy',
    '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/1184059168_1631085973.14/0/26888350af0fda89e0c284225da98f3aed5d4baidna-2.9-tar-gz/idna-2.9/setup.py

1.279 libsodium 1.0.18 r0

1.279.1 Available under license:

/*
 * ISC License
 *
 * Copyright (c) 2013-2019
 * Frank Denis <j at pureftpd dot org>
 *
 * Permission to use, copy, modify, and/or distribute this software for any
 * purpose with or without fee is hereby granted, provided that the above
1.280 coreutils 8.30-8.el8
1.280.1 Available under license :

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1.282 pcre 8.42-4.el8

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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
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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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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.

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

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

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work 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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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!

1.294 cracklib 2.9.6-15.el8

1.294.1 Available under license:

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Version 2.1, February 1999

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data 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").

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Library.

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

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

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

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

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

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

That's all there is to it!
This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version
2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib

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Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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Copyright information:

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
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Discussion thread from mailing list archive, with approval from everyone actively involved or holding original licensing rights included.

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

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

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

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

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

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

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

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

-- Nathan

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...  
> [mailto:cracklib-devel-bounces@li...] On Behalf Of  
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM  
> To: Neulinger, Nathan  
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
> > directly
> > and see if he wants to relicense his code as LGPL... but at this
> > point,
> > it was enough to just get it consistent and documented as to what
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> > released under. This wasn't actually a license change, just a
> > clarification of the licensing that was already in place.
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> > the original license (before moving to sourceforge -- aka, 2.7) was
> > not
> > GPL-2 ... it was a modified artistic license ... i didnt notice the
> > license
> > change until it was mentioned in the latest notes.
> >
> > unlike the old license, GPL-2 prevents people from using cracklib
> > unless their
> > applications are also GPL-2 which imo is just wrong. it isn't the
> > place of a
> > library to dictact to application writes what license they should
> > be using.
> > thus LGPL-2.1 enters to fill this void.
> > -mike
Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
> Seems like the ideal thing here would be for you and the other distro
> maintainers to get together with Alec in a conversation and come to a
> decision as to what licensing scheme y'all want. I haven't really done
> much other than cleaning up the packaging and patches and a small
> bit of
> additional code, so whatever licensing y'all come up with is fine
> by me.

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

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

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

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

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
On Monday 28 January 2008, Nalin Dahyabhai wrote:
> On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
>   > > > Seems like the ideal thing here would be for you and the other distro
>   > > maintainers to get together with Alec in a conversation and come to a
>   > > decision as to what licensing scheme y'all want. I haven't really done
>   > > much other than cleaning up the packaging and patches and a small
>   > > bit of
>   > > additional code, so whatever licensing y'all come up with is fine
>   > > by me.
>   >
>   > I am sympathetic. Guys, what do you reckon?
>   >
>   > What I am hearing so far is that LGPL makes sense, since it can be
>   > linked with any code, not just GPL...
> 
> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
> 
> I'd also suggest the LGPL, for the reason you noted above. Alternately,
> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
> 
> In any case, I thank you both for working on sorting this out.
looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
-mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2008-10-05 23:18
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

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

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

----------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
----------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

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

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
    Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
    by scanim-ipv5s.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
    by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id i91Gxtptr020623
    for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
    by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
    for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
    by rutherford.zen.co.uk with esmtp (Exim 4.50)
    id 11cOcX-0004Qt-6L
    for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dad0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
    <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
    <1b1b3fd80710010908k11dad0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-Original-Arrival-Time: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> 
> --------- Forwarded message ---------
> From: Neulinger, Nathan <nneul@umr.edu>
Date: Sep 27, 2007 2:58 PM
Subject: RE: cracklib license
To: alecm@crypto.dircon.co.uk

Any chance you could write me a self-contained email stating clearly
that the license is being changed to GPL, so I could include that
email
in the repository and clean up the repository/tarballs? I have all the
original discussion, but something succinct and self contained
would be
ideal.

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

Happy now? :-)

-a

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

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

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

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

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

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

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

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

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

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

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

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

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
> Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>
> On Monday 01 October 2007, Neulinger, Nathan wrote:
> > I understand that, and you're welcome to bring it up with Alec
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> > the original license (before moving to sourceforge -- aka, 2.7) was
> not
> > GPL-2 ... it was a modified artistic license ... i didn't notice the
> license
> > change until it was mentioned in the latest notes.
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> > unlike the old license, GPL-2 prevents people from using cracklib
> unless their
> > applications are also GPL-2 which imo is just wrong. it isn't the
> place of a
> > library to dictate what license they should be using.
> > thus LGPL-2.1 enters to fill this void.
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Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

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

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

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

Cheers,

Nalin

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> >> bit of
> >> additional code, so whatever licensing y'all come up with is fine
> >> by me.
> >
> > I am sympathetic. Guys, what do you reckon?
> >
> > What I am hearing so far is that LGPL makes sense, since it can be
> > linked with any code, not just GPL....
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> My apologies for not chiming in in anything resembling a reasonable
> timeframe.
> 
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> GPLv2 with the option of using the library under a later version of the
> GPL would permit applications which were released under version 3 of the
> GPL to use the library, too, which would be sufficient for the packages
> which are included in Fedora. FWIW, I'd personally lean toward LGPL.
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From: Alec Muffett <alecm@ci...> - 2008-10-05 23:18
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> > looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
> > the change now ?
> yes. go for it. thanks++
>
>a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
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Nathan Neulinger is the only one who can actually make said change ...

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

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

The below email references nneul@umr.edu address, as that is the address
that was used at the time. For any future emails regarding this, please
use nneul@neulinger.org.
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC (6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC (6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
 by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
 by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id i91Gxtpr020623
 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
 by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
 for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helol=[192.168.1.3])
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
 id 1hOcX-0004Qt-6L
 for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
 <EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
 <1b1b3fd80710010908k11dac0afp1f2dd471059f9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

> > ---------- Forwarded message ----------
> > From: Neulinger, Nathan <nneul@umr.edu>
> > Date: Sep 27, 2007 2:58 PM
> > Subject: RE: cracklib license

Open Source Used In IOSXE Releases 17.7.1-images 3270
> To: alecm@crypto.dircon.co.uk
> Any chance you could write me a self-contained email stating clearly that the license is being changed to GPL, so I could include that in the repository and clean up the repository/tarballs? I have all the original discussion, but something succinct and self contained would be ideal.

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

Happy now? :-)

-a

1.295 libpcap 1.9.1 r0
1.295.1 Available under license:
License: BSD

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1.296 libssh-config 0.9.4-2.el8
1.296.1 Available under license: MIT License

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Version 2.1, February 1999

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59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.
[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]

Preamble

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 Lesser General Public License, applies to some specially designated software packages--typically libraries--of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

When we speak of free software, we are referring to freedom of use, 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 and use pieces of it in new free programs; and that you are informed that you can do these things.

To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these 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 other code 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.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be
introduced by others.

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

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

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

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

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

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

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

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

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TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

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1.301 libusb 1.0.22 r0

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.
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1.324 python3-pygobject 3.34.0 r0

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

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

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

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

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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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<td>PSF</td>
<td>yes</td>
</tr>
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<td>2.2 and above</td>
<td>2.1.1</td>
<td>2001-now</td>
<td>PSF</td>
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    all fields (only present with certain compiler settings).
  * Added generation of field number constants.
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Oliver Jowett <oliver.jowett@gmail.com>
* Detect whether zlib is new enough in configure script.
* Fixes for Solaris 10 32/64-bit confusion.
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* Optimize Java serialization code when writing a small message to a stream.
* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
* Clean up some Java warnings.
* Fix bug with permanent callbacks that delete themselves when run.
Michael Kucharski <m.kucharski@gmail.com>
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William Orr <will@worrbase.com>
* Fixed detection of sched_yield on Solaris.
* Added atomicops for Solaris
Andrew Paprocki <andrew@ishiboo.com>
* Fixed minor IBM xlC compiler build issues
* Added atomicops for AIX (POWER)

1.339 initscripts 1.0 r155

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1.345 python3-setuptools-wheel 39.2.0-6.el8

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1.346 audit-lib 3.0-
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1.356 kmod 26 r0

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1.362 python 4.14.3-4.el8

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

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

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

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

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

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

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

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1.366 kerberos 5
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cmd/krb5/slave/kpropd_rpc.c
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lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.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
- 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_usereg.c
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- lib/gssapi/mechglue/gssd_pname_to_uid.c
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1.368 gobject-introspection 1.60.2 r0

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1.370 openssh 7.4p1-21.el7

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1.374 gawk 4.2.1-2.el8

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c-a-bundle.crt -- Bundle of CA Root Certificates

Certificate data from Mozilla as of: Thu Nov 3 19:04:19 2011#
This is a bundle of X.509 certificates of public Certificate Authorities (CA). These were automatically extracted from Mozilla's root certificates file (certdata.txt). This file can be found in the mozilla source tree:
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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@(#) SRCFile: certdata.txt,v $Revision: 1.80 $ $Date: 2011/11/03 15:11:58 $

1.377 iptables 1.8.3 r0
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1.378 libsov 0.7.16-1.el8

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1.379 pam 1.3.1-14.el8

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1.387 cryptography 3.3.1

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possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

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to attach them to the start of each source file to most effectively
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the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>
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<program> Copyright (C) <year> <name of author>
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
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The hypothetical commands `show w' and `show c' should show the appropriate
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1.392 passwd 0.80-3.el8
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1.393 libsepol 2.8 r0

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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
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5. A program that contains no derivative of any portion of the
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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

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

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

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

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1.396 sqlite 3:3.29.0-r0

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1.397 libaio 0.3.111 r0

1.398 libsepol 2.9-1.el8

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1.399 bridgeutils 1.6 r0

1.400 lsof 4.91 r0

1.401 vim 8.1.1518 r0

1.402 ca-certificates 2020.2.41-80.0.el8_2

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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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Gocheck - A rich testing framework for Go

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

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# Contributions to the urllib3 project

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## Contributors

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

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* 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>
  * Corrected multipart behavior for params

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

* Ian Cordasco <graffatcolmingov@gmail.com>
* PEP8 Compliance and Linting
* Add ability to pass socket options to an HTTP Connection
* Erik Tollerud <erik.tollerud@gmail.com>
  * Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
  * Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
  * Added Url.url, which unparses a Url

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

* Benjamen Meyer <bm_witness@yahoo.com>
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>
  * Implemented generator for getting chunks from chunked responses.

* 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.

* Christian Pedersen <https://github.com/chripede>
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`. 
* Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
* Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>
* Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>
* Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>
* Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
* Python 2.6 fixes; pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
* Bugfix related to reusing connections in indeterminate states.

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

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

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

* David Foster <http://dafoster.net/>
* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
* History list to Retry object.
* HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
* Ensure timeouts are not booleans and greater than zero.
* Fixed infinite loop in `stream` when `amt=None`.
* Added `length_remaining` to determine remaining data to be read.
* Added `enforce_content_length` to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
* Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
* Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
  * Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
  * Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
  * Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
  * Add counter for status_forcelist retries.

* Erik Rose <erik@mozilla.com>
  * Bugfix to pyopenssl vendor

* 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 ```urlib2.urlopen().geturl()``` behavior

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

* Hugo van Kemenade <https://github.com/hugovk>
  * Drop support for EOL Python 2.6
* Tim Bell <https://github.com/timb07>
* Bugfix for responses with Content-Type: message/* logging warnings

* Justin Bramley <https://github.com/jbramleycl>
* Add ability to handle multiple Content-Encodings

* 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>
* 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]

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1.410 zlib 1.2.7-18.el7
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* @version 3.0 (December 2000)
*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.412 pathlib 2.3.4-r0
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Metadata-Version: 1.1
Name: pathlib2
Version: 2.3.4
Summary: Object-oriented filesystem paths
Home-page: https://github.com/mcmtroffaes/pathlib2
Author: Matthias C. M. Troffaes
Author-email: matthias.troffaes@gmail.com
License: MIT
Description: The `old pathlib <https://bitbucket.org/pitrou/pathlib>`_ module on bitbucket is in bugfix-only mode.
The goal of pathlib2 is to provide a backport of `standard pathlib <http://docs.python.org/dev/library/pathlib.html>`_ module which tracks the standard library module, so all the newest features of the standard pathlib can be used also on older Python versions.

Download
--------

Standalone releases are available on PyPI:
http://pypi.python.org/pypi/pathlib2/

Development
----------

The main development takes place in the Python standard library: see the `Python developer's guide <http://docs.python.org/devguide/>`_.
In particular, new features should be submitted to the `Python bug tracker <http://bugs.python.org/>`_.

Issues that occur in this backport, but that do not occur not in the standard Python pathlib module can be submitted on the `pathlib2 bug tracker <https://github.com/mcmtroffaes/pathlib2/issues>`_.

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***********************************************************************

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Documentation

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

Refer to the `standard pathlib <http://docs.python.org/dev/library/pathlib.html>`_ documentation.

Known Issues

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

For historic reasons, pathlib2 still uses bytes to represent file paths internally. Unfortunately, on Windows with Python 2.7, the file system encoder (``mcbs``) has only poor support for non-ascii characters, and can silently replace non-ascii characters without warning. For example, ``\"u\".encode(sys.getfilesystemencoding())`` results in ````????`` which is obviously completely useless.

Therefore, on Windows with Python 2.7, until this problem is fixed upstream, unfortunately you cannot rely on pathlib2 to support the full unicode range for filenames. See `issue #56 <https://github.com/mcmtroffaes/pathlib2/issues/56>`_ for more details.

.. |travis| image:: https://travis-ci.org/mcmtroffaes/pathlib2.png?branch=develop
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* /opt/cola/permits/1184058975_1634899292.19/0/pathlib2-2-3-4-1-tar-gz/pathlib2-2.3.4/pathlib2/__init__.py
* /opt/cola/permits/1184058975_1634899292.19/0/pathlib2-2-3-4-1-tar-gz/pathlib2-2.3.4/setup.py

1.413 libpcap 14:1.9.1-4.el8
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# $Id: includes.in,v 1.1 2004/11/03 01:39:04 abstine Exp $

# Search for machine-generated header files in the build tree,
# and for normal headers in the source tree (${top_srcdir}).
# We only need to look in OS-specific subdirectories for the
# latter case, because there are no machine-generated OS-specific
# headers.
ISC_INCLUDES = @BIND9_ISC_BUILDINCLUDE@ \ 
-1S{top_srcdir}/lib/isc \ 
-1S{top_srcdir}/lib/isc/include \ 
-1S{top_srcdir}/lib/isc/unix/include \ 
-1S{top_srcdir}/lib/isc/@ISC_THREAD_DIR@/include

ISCCFG_INCLUDES = @BIND9_ISCCFG_BUILDINCLUDE@ \ 
-1S{top_srcdir}/lib/isccfg/include

DNS_INCLUDES = @BIND9_DNS_BUILDINCLUDE@ \ 
-1S{top_srcdir}/lib/dns/include \ 
-1S{top_srcdir}/lib/dns/sec/dst/include

OMAPI_INCLUDES = @BIND9_OMAPI_BUILDINCLUDE@ \ 
-1S{top_srcdir}/lib/omapi/include

LWRES_INCLUDES = @BIND9_LWRES_BUILDINCLUDE@ \ 
-1S{top_srcdir}/lib/lwres/include

TEST_INCLUDES = \ 
-1S{top_srcdir}/lib/tests/include

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/man/lwres_hstrerror.html
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  * /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/inet/inet_net_ntop.c
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isccfg/namedconf.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/order.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/order.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/region.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/order.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/sec/dst/dst_openssl.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/netscope.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/opcode.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/win32os.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/opcode.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/ds_43.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/ds_43.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/apl_42.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/apl_42.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/netscope.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/lwconfig.c

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/inet/inet_network.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/inet/inet_ntoa.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/inet/inet_makeaddr.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/inet/inet_netof.c

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$Id: lwres_gabn.3,v 1.1 2004/11/03 01:39:06 abstine Exp $

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/ds.c
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/irs/gethostent_r.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/irs/getnetgrent_r.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/irs/getservent_r.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/irs/getpwent_r.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/irs/getnetent_r.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/irs/getnetent_r.c

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AC_REVISION($Revision: 1.1 $)

AC_INIT(resolv/herror.c)
AC_PREREQ(2.13)

AC_CONFIG_HEADER(config.h)

AC_CANONICAL_HOST

AC_PROG_MAKE_SET
AC_PROG_RANLIB
AC_PROG_INSTALL

AC_SUBST(STD_CINCLUDES)
AC_SUBST(STD_CDEFINES)
AC_SUBST(STD_CWARNINGS)
AC_SUBST(CCOPT)

AC_PATH_PROG(AR, ar)
ARFLAGS="cruv"
AC_SUBST(AR)
AC_SUBST(ARFLAGS)

# The POSIX ln(1) program. Non-POSIX systems may substitute
# "copy" or something.
LN=ln
AC_SUBST(LN)

case "$AR" in
"")
AC_MSG_ERROR([-]
ar program not found. Please fix your PATH to include the directory in
which ar resides, or set AR in the environment with the full path to ar.
)

::
esac

#
# Etags.
#
AC_PATH_PROGS(ETAGS, etags emacs-etag)

#
# Some systems, e.g. RH7, have the Exuberant Ctags etags instead of
# GNU emacs etags, and it requires the -L flag.
#
if test "X$ETAGS" != "X"; then
AC_MSG_CHECKING(for Exuberant Ctags etags)
if $ETAGS --version 2>&1 | grep 'Exuberant Ctags' >/dev/null 2>&1; then
AC_MSG_RESULT(yes)
ETAGS="$ETAGS -L"
else
AC_MSG_RESULT(no)
fi
fi
AC_SUBST(ETAGS)
#
# Perl is optional; it is used only by some of the system test scripts.
#
AC_PATH_PROGS(PERL, perl5 perl)
AC_SUBST(PERL)
#
# isc/list.h and others clash with the rest of BIND 9
#
case "$includedir" in
'${prefix}/include')
includedir='${prefix}/bind/include'
::
esac
case "$libdir" in
'${prefix}/lib')
libdir=${prefix}/bind/lib'
::
esac
#
# Make sure INSTALL uses an absolute path, else it will be wrong in all
# Makefiles, since they use make/rules.in and INSTALL will be adjusted by
# configure based on the location of the file where it is substituted.
# Since in BIND9 INSTALL is only substituted into make/rules.in, an immediate
# subdirectory of install-sh, This relative path will be wrong for all
# directories more than one level down from install-sh.
#
case "$INSTALL" in
/*)
::
*)
#
# Not all systems have dirname.
#
changequote([, ])
ac_dir=""echo $INSTALL | sed 's%/[\^/]*$%\%''"
changequote(, ])

ac_prog=""""echo $INSTALL | sed 's%.*/%%'"

if test "$ac_dir" = "$ac_prog" & & ac_dir=.
  test -d "$ac_dir" & & ac_dir=""""(cd \""$ac_dir\"" & & pwd)""

INSTALL=""$ac_dir/$ac_prog"

; ;

esac

#
# On these hosts, we really want to use cc, not gcc, even if it is
# found.  The gcc that these systems have will not correctly handle
# pthreads.
#
# However, if the user sets $CC to be something, let that override
# our change.
#
if test "X$CC" = "X" ; then
  case "$host" in
    *-dec-osf*)
      CC="cc"
      ;;
    *-solaris*)
      # Use Sun's cc if it is available, but watch
      # out for /usr/ucb/cc; it will never be the right
      # compiler to use.
      #
      # If setting CC here fails, the AC_PROG_CC done
      # below might still find gcc.
      IFS="$IFS="; ac_save_ifs="$IFS"; IFS=":";
      for ac_dir in $PATH; do
        test -z "$ac_dir" & & ac_dir=.
        case "$ac_dir" in
          /usr/ucb)
          # exclude
          ;;
          *)
        if test -f "$ac_dir/cc"; then
          CC="$ac_dir/cc"
          break
        fi
        esac
      done
      IFS="$ac_save_ifs"
      ;;
    *-hp-hpux*)
      CC="cc"
AC_PROG_CC

AC_HEADER_STDC

AC_CHECK_HEADERS(fcntl.h db.h paths.h sys/time.h unistd.h sys/socket.h sys/select.h sys/timers.h)

AC_C_CONST
AC_C_INLINE
AC_TYPE_SIZE_T
AC_HEADER_TIME
#
# check if we need to #include sys/select.h explicitly
#
case $ac_cv_header_unistd_h in
  yes)
    AC_MSG_CHECKING(if unistd.h defines fd_set)
    AC_TRY_COMPILE([#include <unistd.h>],
        [fd_set read_set; return (0);],
        [AC_MSG_RESULT(yes)
         ISC_PLATFORM_NEEDSYSSELECTH="#undef ISC_PLATFORM_NEEDSYSSELECTH"
        ],
        [AC_MSG_RESULT(no)
         case ac_cv_header_sys_select_h in
           yes)
             ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"
           ;;
           no)
             AC_MSG_ERROR([need either working unistd.h or sys/select.h])
           ;;
ezac
     ])
  ;;
  no)
    case ac_cv_header_sys_select_h in
      yes)
        ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"
      ;;
      no)
      case ac_cv_header_sys_select_h in
        yes)
          ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"
        ;;
        no)
      esac
    esac
fi

mips-sgi-irix*)
CC="cc"
::
esac
fi
no)
AC_MSG_ERROR([need either unistd.h or sys/select.h])
;;
esac
;;
esac
AC_SUBST(ISC_PLATFORM_NEEDSYSESELECTH)

#
# Find the machine's endian flavor.
#
AC_C_BIGENDIAN

AC_ARG_WITH(irs-gr,[ --with-irs-grBuild ....],
want_irs_gr="$withval", want_irs_gr="no")
case "$want_irs_gr" in
yes) WANT_IRS_GR="#define WANT_IRS_GR 1"
  WANT_IRS_GR_OBJS="${WANT_IRS_GR_OBJS}"
;;
*) WANT_IRS_GR="#undef WANT_IRS_GR" WANT_IRS_GR_OBJS="";;
esac
AC_SUBST(WANT_IRS_GR)
AC_SUBST(WANT_IRS_GR_OBJS)

AC_ARG_WITH(irs-pw,[ --with-irs-pwBuild ....],
want_irs_pw="$withval", want_irs_pw="no")
case "$want_irs_pw" in
yes) WANT_IRS_PW="#define WANT_IRS_PW 1"
  WANT_IRS_PW_OBJS="${WANT_IRS_PW_OBJS}";
*) WANT_IRS_PW="#undef WANT_IRS_PW" WANT_IRS_PW_OBJS="";;
esac
AC_SUBST(WANT_IRS_PW)
AC_SUBST(WANT_IRS_PW_OBJS)

AC_ARG_WITH(irs-nis,[ --with-irs-nisBuild ....],
want_irs_nis="$withval", want_irs_nis="no")
case "$want_irs_nis" in
yes)
  WANT_IRS_NIS="#define WANT_IRS_NIS 1"
  WANT_IRS_NIS_OBJS="${WANT_IRS_NIS_OBJS}";
  WANT_IRS_NISGR_OBJS="${WANT_IRS_NISGR_OBJS}";
  WANT_IRS_NISGR_OBJS="";;
esac
case "$want_irs_pw" in
yes)
WANT IRS NIS_PW_OBJS="\$[WANT IRS NIS_PW_OBJS]";
*)
WANT IRS NIS_PW_OBJS="";
esac
;;
*)
WANT IRS NIS="#undef WANT IRS NIS"
WANT IRS NIS_OBJS=""
WANT IRS NISGR_OBJS=""
WANT IRS NIS_PW_OBJS="";
esac
AC_SUBST(WANT IRS NIS)
AC_SUBST(WANT IRS NIS_OBJS)
AC_SUBST(WANT IRS NISGR_OBJS)
AC_SUBST(WANT IRS NIS_PW_OBJS)
AC_TRY_RUN([
#ifdef HAVE_DB_H
int have_db_h = 1;
#else
int have_db_h = 0;
#endif
main() { return(!have_db_h); }
],
WANT IRS DBPW_OBJS="\$[WANT IRS DBPW_OBJS]"
,
WANT IRS DBPW_OBJS=""
,
WANT IRS DBPW_OBJS=""
)
AC_SUBST(WANT IRS DBPW_OBJS)

#
# was --with-randomdev specified?
#
AC_MSG_CHECKING(for random device)
AC_ARG_WITH(randomdev,
[ --with-randomdev=PATH Specify path for random device],
use_randomdev="$withval", use_randomdev="unspec")

case "$use_randomdev" in
  unspec)
  case "$host" in
    *-openbsd*)
    devrandom=/dev/srandom
    ;;
    *
   )
    devrandom=/dev/random
    ;;
    *-openbsd*)
    devrandom=/dev/urandom
    ;;
    *
   )
    devrandom=/dev/urandom
    ;;
    *
   )
    devrandom=/dev/urandom
    ;;
    *
   )
    devrandom=/dev/urandom
    ;;
    *
   )
    devrandom=/dev/urandom
    ;;
    *-openbsd*)
    devrandom=/dev/urandom
    ;;
    *
   )
    devrandom=/dev/urandom
    ;;
    *-openbsd*)
    devrandom=/dev/urandom
    ;;
    *
]
esac
AC_MSG_RESULT($devrandom)
AC_CHECK_FILE($devrandom,
   AC_DEFINE_UNQUOTED(PATH_RANDOMDEV, "$devrandom"),)
;;
yes)
AC_MSG_ERROR([--with-randomdev must specify a path])
;; *
AC_DEFINE_UNQUOTED(PATH_RANDOMDEV, "$use_randomdev")
AC_MSG_RESULT(using "$use_randomdev")
;;
esac

#
# Begin pthreads checking.
#
# First, decide whether to use multithreading or not.
#
AC_MSG_CHECKING(whether to look for thread support)
AC_ARG_ENABLE(threads,
   [  --disable-threads	disable multithreading])
case "$enable_threads" in
   yes|'')
   AC_MSG_RESULT(yes)
   use_threads=true
   ;;
   no)
   AC_MSG_RESULT(no)
   use_threads=false
   ;; *
   AC_MSG_ERROR([--enable-threads takes yes or no])
   ;;
esac

if $use_threads
then
#
# Search for / configure pthreads in a system-dependent fashion.
#
case "$host" in
   *-netbsd*)
   # NetBSD has multiple pthreads implementations. The
   # recommended one to use is "unproven-pthreads". The
   # older "mit-pthreads" may also work on some NetBSD
   # versions. The PTL2 thread library does not

# currently work with bind9, but can be chosen with
# the --with-ptl2 option for those who wish to
# experiment with it.
CC="gcc"
AC_MSG_CHECKING(which NetBSD thread library to use)

AC_ARG_WITH(ptl2,
 [ --with-ptl2 on NetBSD, use the ptl2 thread library (experimental)],
  use_ptl2="$withval", use_ptl2="no")

: ${LOCALBASE:=/usr/pkg}

if test "X$use_ptl2" = "Xyes"
then
 AC_MSG_RESULT(PTL2)
 AC_MSG_WARN(
 [linking with PTL2 is highly experimental and not expected to work])
 CC=ptlgcc
else
 if test ! -d $LOCALBASE/pthreads
 then
  AC_MSG_RESULT(none)
  use_threads=false
  fi
 fi

if $use_threads
 then
  AC_MSG_RESULT(mit-pthreads/unproven-pthreads)
  pkg="$LOCALBASE/pthreads"
  lib1="-L$pkg/lib -Wl,-R$pkg/lib"
  lib2="-lpthread -Im -lgcc -lpthread"
  LIBS="$lib1 $lib2 $LIBS"
  CPPFLAGS="$CPPFLAGS -I$pkg/include"
  STD_CINCLUDES="$STD_CINCLUDES -I$pkg/include"
  fi
 fi
::
*)
AC_CHECK_LIB(pthread, pthread_create,)
AC_CHECK_LIB(pthread, __pthread_create,)
AC_CHECK_LIB(c_r, pthread_create,)
AC_CHECK_LIB(c, pthread_create,)
use_threads=false)))))
::
esac
fi
if $use_threads
then
#
# We'd like to use sigwait() too
#
AC_CHECK_LIB(c, sigwait,
   AC_DEFINE(HAVE_SIGWAIT),
   AC_CHECK_LIB(pthread, sigwait,
   AC_DEFINE(HAVE_SIGWAIT),
   AC_CHECK_LIB(pthread, _Psigwait,
   AC_DEFINE(HAVE_SIGWAIT)),)
)

AC_CHECK_FUNC(pthread_attr_getstacksize,
   AC_DEFINE(HAVE_PTHREAD_ATTR_GETSTACKSIZE),)
#
# Additional OS-specific issues related to pthreads and sigwait.
#
case "$host" in
#
# One more place to look for sigwait.
#
*-freebsd*)
   AC_CHECK_LIB(c_r, sigwait, AC_DEFINE(HAVE_SIGWAIT),)
;;
#
# BSDI 3.0 through 4.0.1 needs pthread_init() to be
# called before certain pthreads calls. This is deprecated
# in BSD/OS 4.1.
#
*-bsd3.*|*-bsd4.0*)
   AC_DEFINE(NEED_PTHREAD_INIT)
;;
#
# LinuxThreads requires some changes to the way we
# deal with signals.
#
*-linux*)
   AC_DEFINE(HAVE_LINUXTHREADS)
;;
#
# Ensure the right sigwait() semantics on Solaris and make
# sure we call pthread_setconcurrency.
#
*-solaris*)
   AC_DEFINE(_POSIX_PTHREAD_SEMANTICS)
AC_CHECK_FUNC(pthread_setconcurrency,
AC_DEFINE(CALL_PTHREAD_SETCONCURRENCY))
AC_DEFINE(POSIX_GETPWUID_R)
AC_DEFINE(POSIX_GETPWNAM_R)
AC_DEFINE(POSIX_GETGRGID_R)
AC_DEFINE(POSIX_GETGRNAM_R)
;
*hpx11*)
AC_DEFINE(_PTHREADS_DRAFT4)
;
#
# UnixWare does things its own way.
#
*-UnixWare*)
AC_DEFINE(HAVE_UNIXWARE_SIGWAIT)
;
esac

#
# Look for sysconf to allow detection of the number of processors.
#
AC_CHECK_FUNC(sysconf, AC_DEFINE(HAVE_SYSCONF),)

if test "X$GCC" = "Xyes"; then
case "$host" in
  -*freebsd*)
    CC="$CC -pthread"
    CCOPT="$CCOPT -pthread"
    STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
    ;;
  -*openbsd*)
    CC="$CC -pthread"
    CCOPT="$CCOPT -pthread"
    ;;
  -*solaris*)
    LIBS="$LIBS -lthread"
    ;;
  -*ibm-aix*)
    STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
    ;;
esac
else
case $host in
  -*dec-osf*)
    CC="$CC -pthread"
    CCOPT="$CCOPT -pthread"
    ;;
  -*solaris*)
    CC="$CC -mt"
CCOPT="$CCOPT -mt"
::
*-*ibm-aix*)
STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
::
*-*UnixWare*)
CC="$CC -Kthread"
CCOPT="$CCOPT -Kthread"
::
esac
fi
ALWAYS_DEFINES="-D_REENTRANT"
DO_PTHREADS="#define DO_PTHREADS 1"
WANT_IRS_THREADSGR_OBJS="\${WANT_IRS_THREADSGR_OBJS}"
WANT_IRS_THREADSPW_OBJS="\${WANT_IRS_THREADSPW_OBJS}"
WANT_IRS_THREADS_OBJS="\${WANT_IRS_THREADS_OBJS}"
thread_dir=pthreads
else
ALWAYS_DEFINES=""
DO_PTHREADS="#undef DO_PTHREADS"
WANT_IRS_THREADSGR_OBJS=""
WANT_IRS_THREADSPW_OBJS=""
WANT_IRS_THREADS_OBJS=""
thread_dir=nothreads
fi
AC_CHECK_FUNC(strlcat, AC_DEFINE(HAVE_STRLCAT))
AC_SUBST(ALWAYS_DEFINES)
AC_SUBST(DO_PTHREADS)
AC_SUBST(WANT_IRS_THREADSGR_OBJS)
AC_SUBST(WANT_IRS_THREADSPW_OBJS)
AC_SUBST(WANT_IRS_THREADS_OBJS)
AC_CHECK_FUNC(if_nametoindex,
[USE_IFNAMELINKID="#define USE_IFNAMELINKID 1"],
[USE_IFNAMELINKID="#undef USE_IFNAMELINKID"])
AC_SUBST(USE_IFNAMELINKID)
ISC_THREAD_DIR=\$thread_dir
AC_SUBST(ISC_THREAD_DIR)
AC_CHECK_FUNC(daemon,
[DAEMON_OBJS="" NEED_DAEMON="#undef NEED_DAEMON""],
[DAEMON_OBJS="\${DAEMON_OBJS}" NEED_DAEMON="#define NEED_DAEMON 1"])
AC_SUBST(DAEMON_OBJS)
AC_SUBST(NEED_DAEMON)

AC_CHECK_FUNC(strsep,

[STRSEP_OBJS="" NEED_STRSEP=""#undef NEED_STRSEP"]

,

[STRSEP_OBJS="${STRSEP_OBJS}" NEED_STRSEP=""#define NEED_STRSEP 1"]

)

AC_SUBST(STRSEP_OBJS)
AC_SUBST(NEED_STRSEP)

AC_CHECK_FUNC(strerror, [NEED_StrERROR=""#undef NEED_STRERROR"],

[NEED_STRERROR=""#define NEED_STRERROR 1"]

)

AC_SUBST(NEED_STRERROR)

#
# flockfile is usually provided by pthreads, but we may want to use it
# even if compiled with --disable-threads.
#
AC_CHECK_FUNC(flockfile, AC_DEFINE(HAVE_FLOCKFILE),)

#
# Indicate what the final decision was regarding threads.
#
AC_MSG_CHECKING(whether to build with threads)
if $use_threads; then
AC_MSG_RESULT(yes)
else
AC_MSG_RESULT(no)
fi

#
# End of pthreads stuff.
#

#
# Additional compiler settings.
#
MKDEPCC="$CC"
MKDEPCFLAGS="-M"
IRIX_DNSSEC_WARNINGS_HACK=""

if test "$GCC" = "yes"; then
STD_CWARNINGS="SSTD_CWARNINGS -W -Wall -Wmissing-prototypes -Wcast-qual -Wwrite-strings"
else
case $host in
  *-dec-osf*)
CC="$CC -std"
CCOPT="$CCOPT -std"


MKDEPCC="$CC"
::
*~hp-hpux*)
CC="$CC -Ae -z"
# The version of the C compiler that constantly warns about
    # 'const' as well as alignment issues is unfortunately not
    # able to be discerned via the version of the operating
    # system, nor does cc have a version flag.
case ""$CC +W 123 2>&1" in
  *Unknown?option*)
STD_CWARNINGS="+w1"
::
  *)
# Turn off the pointlessly noisy warnings.
STD_CWARNINGS="+w1 +W 474,530"
::
esac
CCOPT="$CCOPT -Ae -z"
LIBS="-Wl,+vnocompatwarnings $LIBS"
MKDEPPROG='cc -Ae -E -Wp,-M >/dev/null 2>&1 | awk "BEGIN {colon=0; rec=""; } { for (i = 0 ; i < NF; i++)
  { if (colon && a[$i]) continue; if ($i == "\") continue; if (!colon) { rec =  $i continue; } if ($i == ":") { rec = rec " ;"
    colon = 1 continue; } if (length(rec $i) > 76) { print rec \" "; rec = "\" $i; a[$i] = 1; } else { rec = rec " " $i a[$i] = 1;
  } } } END {print rec}"' >>$TMP'
MKDEPPROG='cc -Ae -E -Wp,-M >/dev/null 2>>$TMP'
::
  *~sgi-irix*)
STD_CWARNINGS="-fullwarn -woff 1209"
#
# Silence more than 250 instances of
# "prototyped function redeclared without prototype"
# and 11 instances of
# "variable ... was set but never used"
# from lib/dns/sec/openssl.
#
IRIX_DNSSEC_WARNINGS_HACK="-woff 1692,1552"
::
  *~solaris*)
MKDEPCFLAGS="-xM"
::
  *~UnixWare*)
CC="$CC -w"
::
esac
fi
#
# _GNU_SOURCE is needed to access the fd_bits field of struct fd_set, which
# is supposed to be opaque.
case $host in
  *linux*)
STD_CDEFINES="$STD_CDEFINES -D_GNU_SOURCE"
;
esac

AC_SUBST(MKDEPCFLAGS)
AC_SUBST(MKDEPPROG)
AC_SUBST(IRIX_DNSSEC_WARNINGS_HACK)

#
# NLS
#

AC_CHECK_FUNC(catgets, AC_DEFINE(HAVE_CATGETS),)

#
# -lxnet buys us one big porting headache... standards, gotta love 'em.
#
# AC_CHECK_LIB(xnet, socket, ,
#   AC_CHECK_LIB(socket, socket)
#   AC_CHECK_LIB(nsl, inet_ntoa)
# )
#
# Use this for now, instead:
#
case "$host" in
  mips-sgi-irix*)
    *
    )
    AC_CHECK_LIB(d4r, gethostbyname_r)
    AC_CHECK_LIB(socket, socket)
    AC_CHECK_LIB(nsl, inet_ntoa)
    ;;
  esac

#
# Purify support
#
AC_MSG_CHECKING(whether to use purify)
AC_ARG_WITH(purify,
  [ --with-purify[=PATH][use Rational purify],
    use_purify="$withval", use_purify="no"
  ]

  case "$use_purify" in
    no)
      ;;
  esac
yes)
AC_PATH_PROG(purify_path, purify, purify)
;;
*)
purify_path="$use_purify"
;;
esac

case "$use_purify" in
no)
AC_MSG_RESULT(no)
PURIFY=""
;;
*)
if test -f $purify_path || test $purify_path = purify; then
AC_MSG_RESULT($purify_path)
PURIFYFLAGS="`echo $PURIFYOPTIONS`"
PURIFY="$purify_path $PURIFYFLAGS"
else
AC_MSG_ERROR([$purify_path not found.]
Please choose the proper path with the following command:

    configure --with-purify=PATH
)
fi
;;
esac

AC_SUBST(PURIFY)

#
# GNU libtool support
#
AC_ARG_WITH(libtool,
    [ --with-libtool use GNU libtool (following indented options supported)],
    use_libtool="$withval", use_libtool="no")

case $use_libtool in
yes)
AM_PROG_LIBTOOL
O=lo
A=la
LIBTOOL_MKDEP_SED='s;\o;\o;'
LIBTOOL_MODE_COMPILE='--mode=compile'
LIBTOOL_MODE_INSTALL='--mode=install'
LIBTOOL_MODE_LINK='--mode=link'
;;
*)
O=o
A=a
LIBTOOL=
AC_SUBST(LIBTOOL)
LIBTOOL_MKDEP_SED=
LIBTOOL_MODE_COMPILE=
LIBTOOL_MODE_INSTALL=
LIBTOOL_MODE_LINK=::
esac

#
# File name extension for static archive files, for those few places
# where they are treated differently from dynamic ones.
#
SA=a

AC_SUBST(O)
AC_SUBST(A)
AC_SUBST(SA)
AC_SUBST(LIBTOOL_MKDEP_SED)
AC_SUBST(LIBTOOL_MODE_COMPILE)
AC_SUBST(LIBTOOL_MODE_INSTALL)
AC_SUBST(LIBTOOL_MODE_LINK)

#
# Here begins a very long section to determine the system's networking
capabilities. The order of the tests is significant.
#
#
#
# IPv6
#
AC_ARG_ENABLE(ipv6,
[ --enable-ipv6	use IPv6 [default=autodetect]])
case "$enable_ipv6" in
yes"[autodetect]"
AC_DEFINE(WANT_IPV6)
::
no)
::
esac

#
# We do the IPv6 compilation checking after libtool so that we can put
# the right suffix on the files.
# AC_MSG_CHECKING(for IPv6 structures)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>,
[struct sockaddr_in6 sin6; return (0);],
[AC_MSG_RESULT(yes)
  found_ipv6=yes],
[AC_MSG_RESULT(no)
  found_ipv6=no])

# See whether IPv6 support is provided via a Kame add-on.
# This is done before other IPv6 linking tests to LIBS is properly set.
# AC_MSG_CHECKING(for Kame IPv6 support)
AC_ARG_WITH(kame,
  [--with-kame[=PATH] use Kame IPv6 [default path /usr/local/v6]],
  use_kame="$withval", use_kame="no")

  case "$use_kame" in
    no)
      ;;
    yes)
      kame_path=/usr/local/v6
      ;;
    *)
      kame_path="$use_kame"
      ;;
  esac

  case "$use_kame" in
    no)
    AC_MSG_RESULT(no)
    ;;
    *)
    if test -f $kame_path/lib/libinet6.a; then
      AC_MSG_RESULT($kame_path/lib/libinet6.a)
      LIBS="-L$kame_path/lib -linet6 $LIBS"
    else
      AC_MSG_ERROR([$kame_path/lib/libinet6.a not found.]

Please choose the proper path with the following command:

    configure --with-kame=PATH
)
fi
# Whether netinet6/in6.h is needed has to be defined in isc/platform.h.
# Including it on Kame-using platforms is very bad, though, because
# Kame uses #error against direct inclusion. So include it on only
# the platform that is otherwise broken without it -- BSD/OS 4.0 through 4.1.
# This is done before the in6_pktinfo check because that's what
# netinet6/in6.h is needed for.
#
changequote( {, } )
case "$host" in
  *-bsd4.[01]*)
    ISC_PLATFORM_NEEDNETINET6IN6H="#define ISC_PLATFORM_NEEDNETINET6IN6H 1"
    isc_netinet6in6_hack="#include <netinet/in6.h>"
    ;;
    *)
    ISC_PLATFORM_NEEDNETINET6IN6H="#undef ISC_PLATFORM_NEEDNETINET6IN6H"
    isc_netinet6in6_hack=""
    ;;
esac
changequote( [ , ] )
#
# This is similar to the netinet6/in6.h issue.
#
case "$host" in
  *-UnixWare*)
    ISC_PLATFORM_NEEDNETINETIN6H="#define ISC_PLATFORM_NEEDNETINETIN6H 1"
    ISC_PLATFORM_FIXIN6ISADDR="#define ISC_PLATFORM_FIXIN6ISADDR 1"
    isc_netinetin6_hack="#include <netinet/in6.h>"
    ;;
    *)
    ISC_PLATFORM_NEEDNETINETIN6H="#undef ISC_PLATFORM_NEEDNETINETIN6H"
    ISC_PLATFORM_FIXIN6ISADDR="#undef ISC_PLATFORM_FIXIN6ISADDR"
    isc_netinetin6_hack=""
    ;;
esac
#
# Now delve deeper into the suitability of the IPv6 support.
#
case "$found_ipv6" in
  yes)
    HAS_INET6_STRUCTS="#define HAS_INET6_STRUCTS 1"
    AC_MSG_CHECKING(for in6_addr)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
],
[struct in6_addr in6; return (0);],
[AC_MSG_RESULT(yes)
HAS_IN_ADDR6="#undef HAS_IN_ADDR6"
isc_in_addr6_hack=""],
[AC_MSG_RESULT(no)
HAS_IN_ADDR6="#define HAS_IN_ADDR6 1"
isc_in_addr6_hack="#define in6_addr in_addr6"])

AC_MSG_CHECKING(for in6addr_any)
AC_TRY_LINK([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
$isc_in_addr6_hack
],
[struct in6_addr in6; in6 = in6addr_any; return (0);],
[AC_MSG_RESULT(yes)
NEED_IN6ADDR_ANY="#undef NEED_IN6ADDR_ANY"],
[AC_MSG_RESULT(no)
NEED_IN6ADDR_ANY="#define NEED_IN6ADDR_ANY 1"])

HAVE_SIN6_SCOPE_ID="$result"

AC_MSG_CHECKING(for sin6_scope_id in struct sockaddr_in6)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
],
[struct sockaddr_in6 xyzzy; xyzzy.sin6_scope_id = 0; return (0);],
[AC_MSG_RESULT(yes)
result="#define HAVE_SIN6_SCOPE_ID 1"],
[AC_MSG_RESULT(no)
result="#define HAVE_SIN6_SCOPE_ID"]
HAVE_SIN6_SCOPE_ID="$result"

AC_MSG_CHECKING(for in6_pktinfo)
AC_TRY_COMPILE([
#include <sys/types.h>
]
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack

[struct in6_pktinfo xyzzy; return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_HAVEIN6PKTINFO="#define ISC_PLATFORM_HAVEIN6PKTINFO 1"],
[AC_MSG_RESULT(no -- disabling runtime ipv6 support)
ISC_PLATFORM_HAVEIN6PKTINFO="#undef ISC_PLATFORM_HAVEIN6PKTINFO"]

AC_MSG_CHECKING(for sockaddr_storage)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
],
[struct sockaddr_storage xyzzy; return (0);],
[AC_MSG_RESULT(yes)
HAVE_SOCKADDR_STORAGE="#define HAVE_SOCKADDR_STORAGE 1"],
[AC_MSG_RESULT(no)
HAVE_SOCKADDR_STORAGE="#undef HAVE_SOCKADDR_STORAGE"]

;;

NO
HAS_INET6_STRUCTS="#undef HAS_INET6_STRUCTS"
NEED_IN6ADDR_ANY="#undef NEED_IN6ADDR_ANY"
ISC_PLATFORM_HAVEIN6PKTINFO="#undef ISC_PLATFORM_HAVEIN6PKTINFO"
HAVE_H6_SCOPE_ID="#define HAVE_H6_SCOPE_ID 1"
HAVE_SOCKADDR_STORAGE="#undef HAVE_SOCKADDR_STORAGE"
ISC_IPV6_H="ipv6.h"
ISC_IPV6_O="ipv6.O"
ISC_ISCIPV6_O="unix/ipv6.O"
ISC_IPV6_C="ipv6.c"

;;
esac
AC_SUBST(HAS_INET6_STRUCTS)
AC_SUBST(ISC_PLATFORM_NEEDNETINETIN6H)
AC_SUBST(ISC_PLATFORM_NEEDNETINET6IN6H)
AC_SUBST(HAS_INET6ADDR6)
AC_SUBST(NEED_IN6ADDR_ANY)
AC_SUBST(ISC_PLATFORM_HAVEIN6PKTINFO)
AC_SUBST(ISC_PLATFORM_FIXIN6ISADDR)
AC_SUBST(ISC_IPV6_H)
AC_SUBST(ISC_IPV6_O)
AC_SUBST(ISC_ISCIPV6_O)
AC_SUBST(ISC_IPV6_C)
AC_SUBST(HAVE_SIN6_SCOPE_ID)
AC_SUBST(HAVE_SOCKADDR_STORAGE)

#
# Check for network functions that are often missing. We do this
# after the libtool checking, so we can put the right suffix on
# the files. It also needs to come after checking for a Kame add-on,
# which provides some (all?) of the desired functions.
#
AC_MSG_CHECKING([for inet_ntop])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
[inet_ntop(0, 0, 0, 0); return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDNTOP="#undef ISC_PLATFORM_NEEDNTOP"],
[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_ntop.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_ntop.c"
ISC_PLATFORM_NEEDNTOP="#define ISC_PLATFORM_NEEDNTOP 1"])
AC_MSG_CHECKING([for inet_pton])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
[inet_pton(0, 0, 0, 0); return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDPTON="#undef ISC_PLATFORM_NEEDPTON"],
[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_pton.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_pton.c"
ISC_PLATFORM_NEEDPTON="#define ISC_PLATFORM_NEEDPTON 1"])
AC_MSG_CHECKING([for inet_aton])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
[struct in_addr in; inet_aton(0, &in); return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDATON="#undef ISC_PLATFORM_NEEDATON"],
[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_aton.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_aton.c"}
AC_SUBST(ISC_PLATFORM_NEEDATON)
AC_SUBST(ISC_PLATFORM_NEEDNTOP)
AC_SUBST(ISC_PLATFORM_NEEDPTON)
AC_SUBST(ISC_PLATFORM_NEEDATON)

#
# Look for a 4.4BSD-style sa_len member in struct sockaddr.
#
case "$host" in
  -*dec-osf*)
    # Turn on 4.4BSD style sa_len support.
    AC_DEFINE(_SOCKADDR_LEN)
    ;;
    esac

AC_MSG_CHECKING(for sa_len in struct sockaddr)
AC_TRY_COMPILE(
  #include <sys/types.h>
  #include <sys/socket.h>,
  [struct sockaddr sa; sa.sa_len = 0; return (0);],
  [AC_MSG_RESULT(yes)
    HAVE_SA_LEN="#define HAVE_SA_LEN 1"],
  [AC_MSG_RESULT(no)
    HAVE_SA_LEN="#undef HAVE_SA_LEN")]
AC_SUBST(HAVE_SA_LEN)

# HAVE_MINIMUM_IFREQ

case "$host" in
  -*bsd[2345]*)have_minimum_ifreq=yes;;
  -*darwin*)have_minimum_ifreq=yes;;
  -*freebsd*)have_minimum_ifreq=yes;;
  -*lynxos*)have_minimum_ifreq=yes;;
  -*netbsd*)have_minimum_ifreq=yes;;
  -*next*)have_minimum_ifreq=yes;;
  -*openbsd*)have_minimum_ifreq=yes;;
  -*rhapsody*)have_minimum_ifreq=yes;;
  esac

case "$have_minimum_ifreq" in
  yes)
    HAVE_MINIMUM_IFREQ="#define HAVE_MINIMUM_IFREQ 1";;
    no)
    HAVE_MINIMUM_IFREQ="#undef HAVE_MINIMUM_IFREQ";;
  *)
    HAVE_MINIMUM_IFREQ="#undef HAVE_MINIMUM_IFREQ";;
    esac
AC_SUBST(HAVE_MINIMUM_IFREQ)

# PORT_DIR
PORT_DIR=port/unknown
SOLARIS_BITTYPES="#undef NEED_SOLARIS_BITTYPES"
BSD_COMP="#undef BSD_COMP"
USE_FIONBIO_IOCTL="#undef USE_FIONBIO_IOCTL"
case "$host" in
  *aix3.2*) PORT_DIR="port/aix32";;
  *aix4*) PORT_DIR="port/aix4";;
  *aux3*) PORT_DIR="port/aux3";;
  *-bsd2*) PORT_DIR="port/bsdos2";;
  *.bsd*) PORT_DIR="port/bsdos";;
  *.cygwin*) PORT_DIR="port/cygwin";;
  *.darwin*) PORT_DIR="port/darwin";;
  *.osf*) PORT_DIR="port/decunix";;
  *.freebsd*) PORT_DIR="port/freebsd";;
  *.hpux9*) PORT_DIR="port/hpux9";;
  *.hpux10*) PORT_DIR="port/hpux10";;
  *.hpux11*) PORT_DIR="port/hpux";;
  *.irix*) PORT_DIR="port/irix";;
  *.linux*) PORT_DIR="port/linux";;
  *.lynxos*) PORT_DIR="port/lynxos";;
  *.mpe*) PORT_DIR="port/mpe";;
  *.netbsd*) PORT_DIR="port/netbsd";;
  *.next*) PORT_DIR="port/next";;
  *.openbsd*) PORT_DIR="port/openbsd";;
  *.qnx*) PORT_DIR="port/qnx";;
  *.rhapsody*) PORT_DIR="port/rhapsody";;
  *.solaris2.[[01234]]*)
  BSD_COMP="#define BSD_COMP 1"
  SOLARIS_BITTYPES="#define NEED_SOLARIS_BITTYPES 1"
  USE_FIONBIO_IOCTL="#define USE_FIONBIO_IOCTL 1"
  PORT_DIR="port/solaris";;
  *.solaris2.5*)
  BSD_COMP="#define BSD_COMP 1"
  SOLARIS_BITTYPES="#define NEED_SOLARIS_BITTYPES 1"
  PORT_DIR="port/solaris";;
  *.solaris2.*) BSD_COMP="#define BSD_COMP 1"
  PORT_DIR="port/solaris";;
  *.ultrix*) PORT_DIR="port/ultrix";;
  *.sco-sysv*uw2.0*) PORT_DIR="port/unixware20";;
  *.sco-sysv*uw2.1.*) PORT_DIR="port/unixware212";;
  *.sco-sysv*uw7.*) PORT_DIR="port/unixware7";;
esac
AC_SUBST(BSD_COMP)
AC_SUBST(SOLARIS_BITTYPES)
AC_SUBST(USE_FIONBIO_IOCTL)
AC_SUBST(PORT_DIR)
PORT_INCLUDE=${PORT_DIR}/include
AC_SUBST(PORT_INCLUDE)

#
# Look for a 4.4BSD or 4.3BSD struct msghdr
#
AC_MSG_CHECKING(for struct msghdr flavor)
AC_TRY_COMPILE(
    #include <sys/types.h>
    #include <sys/socket.h>
    [struct msghdr msg; msg.msg_flags = 0; return (0);],
    [AC_MSG_RESULT(4.4BSD)
    ISC_PLATFORM_MSGHDRFLAVOR="#define ISC_NET_BSD44MSGHDR 1"]
    [AC_MSG_RESULT(4.3BSD)
    ISC_PLATFORM_MSGHDRFLAVOR="#define ISC_NET_BSD43MSGHDR 1"])
AC_SUBST(ISC_PLATFORM_MSGHDRFLAVOR)

#
# Look for in_port_t.
#
AC_MSG_CHECKING(for type in_port_t)
AC_TRY_COMPILE(
    #include <sys/types.h>
    #include <netinet/in.h>
    [in_port_t port = 25; return (0);],
    [AC_MSG_RESULT(yes)
    ISC_PLATFORM_NEEDPORTT="#undef ISC_PLATFORM_NEEDPORTT"]
    [AC_MSG_RESULT(no)
    ISC_PLATFORM_NEEDPORTT="#define ISC_PLATFORM_NEEDPORTT 1"])
AC_SUBST(ISC_PLATFORM_NEEDPORTT)

#
# Check for addrinfo
#
AC_MSG_CHECKING(for struct addrinfo)
AC_TRY_COMPILE(
    #include <netdb.h>
    [struct addrinfo a; return (0);],
    [AC_MSG_RESULT(yes)
    AC_DEFINE(HAVE_ADDRINFO)
    [AC_MSG_RESULT(no)])
AC_MSG_CHECKING(for int sethostent)
AC_TRY_COMPILE(
    #include <netdb.h>
    [int i = sethostent(0); return(0);],
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AC_MSG_RESULT(yes),
[AC_MSG_RESULT(no)])

AC_MSG_CHECKING(for int endhostent)
AC_TRY_COMPILE({
#include <netdb.h>
[int i = endhostent(); return(0)];
[AC_MSG_RESULT(yes)
ISC_LWRES_ENDHOSTENTINT="#define ISC_LWRES_ENDHOSTENTINT 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_ENDHOSTENTINT="#undef ISC_LWRES_ENDHOSTENTINT"])
AC_SUBST(ISC_LWRES_ENDHOSTENTINT)

AC_MSG_CHECKING(for int setnetent)
AC_TRY_COMPILE({
#include <netdb.h>
[int i = setnetent(0); return(0)];
[AC_MSG_RESULT(yes)
ISC_LWRES_SETNETENTINT="#define ISC_LWRES_SETNETENTINT 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_SETNETENTINT="#undef ISC_LWRES_SETNETENTINT"])
AC_SUBST(ISC_LWRES_SETNETENTINT)

AC_MSG_CHECKING(for int endnetent)
AC_TRY_COMPILE({
#include <netdb.h>
[int i = endnetent(); return(0)];
[AC_MSG_RESULT(yes)
ISC_LWRES_ENDNETENTINT="#define ISC_LWRES_ENDNETENTINT 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_ENDNETENTINT="#undef ISC_LWRES_ENDNETENTINT"])
AC_SUBST(ISC_LWRES_ENDNETENTINT)

AC_MSG_CHECKING(for gethostbyaddr(const void *, size_t, ...))
AC_TRY_COMPILE({
#include <netdb.h>
struct hostent *gethostbyaddr(const void *, size_t, int);]
[return(0)];
[AC_MSG_RESULT(yes)
ISC_LWRES_GETHOSTBYADDRVOID="#define ISC_LWRES_GETHOSTBYADDRVOID 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_GETHOSTBYADDRVOID="#undef ISC_LWRES_GETHOSTBYADDRVOID"])
AC_SUBST(ISC_LWRES_GETHOSTBYADDRVOID)

AC_MSG_CHECKING(for h_errno in netdb.h)
AC_TRY_COMPILE({
#include <netdb.h>
[h_errno = 1; return(0)];
}
[AC_MSG_RESULT(yes)
ISC_LWRES_NEEDHERRNO="#undef ISC_LWRES_NEEDHERRNO"],
[AC_MSG_RESULT(no)
ISC_LWRES_NEEDHERRNO="#define ISC_LWRES_NEEDHERRNO 1"]
AC_SUBST(ISC_LWRES_NEEDHERRNO)

AC_CHECK_FUNC(getipnodebyname,
    [ISC_LWRES_GETIPNODEPROTO="#undef ISC_LWRES_GETIPNODEPROTO"],
    [ISC_LWRES_GETIPNODEPROTO="#define ISC_LWRES_GETIPNODEPROTO 1"])
AC_SUBST(ISC_LWRES_GETIPNODEPROTO)

AC_CHECK_FUNC(getnameinfo,
    [ISC_LWRES_GETNAMEINFOPROTO="#undef ISC_LWRES_GETNAMEINFOPROTO"],
    [ISC_LWRES_GETNAMEINFOPROTO="#define ISC_LWRES_GETNAMEINFOPROTO 1"])
AC_SUBST(ISC_LWRES_GETNAMEINFOPROTO)

AC_CHECK_FUNC(getaddrinfo,
    [ISC_LWRES_GETADDRINFOPROTO="#undef ISC_LWRES_GETADDRINFOPROTO"],
    [ISC_LWRES_GETADDRINFOPROTO="#define ISC_LWRES_GETADDRINFOPROTO 1"])
AC_SUBST(ISC_LWRES_GETADDRINFOPROTO)
AC_SUBST(ISC_LWRES_GETIPNODEPROTO)

AC_CHECK_FUNC(gai_strerror, AC_DEFINE(HAVE_GAISTRERROR))
AC_SUBST(ISC_LWRES_GETADDRINFOPROTO)
AC_SUBST(ISC_LWRES_GETIPNODEPROTO)
AC_CHECK_FUNC(pselect,
    [NEED_PSELECT="#undef NEED_PSELECT"],
    [NEED_PSELECT="#define NEED_PSELECT"])
AC_SUBST(NEED_PSELECT)

AC_CHECK_FUNC(gettimeofday,
    [NEED_GETTIMEOFDAY="#undef NEED_GETTIMEOFDAY"],
    [NEED_GETTIMEOFDAY="#define NEED_GETTIMEOFDAY 1"])
AC_SUBST(NEED_GETTIMEOFDAY)

AC_CHECK_FUNC(strndup,
    [HAVE_STRNDUP="#define HAVE_STRNDUP 1"],
    [HAVE_STRNDUP="#undef HAVE_STRNDUP"])
AC_SUBST(HAVE_STRNDUP)

#
# Look for a sysctl call to get the list of network interfaces.
#
AC_MSG_CHECKING(for interface list sysctl)

AC_EGREP_CPP(found_rt_iflist,
    ['#include <sys/param.h>
    #include <sys/sysctl.h>
    #include <sys/socket.h>
    #ifdef NET_RT_IFLIST
    found_rt_iflist
    #endif
    ],
    [AC_MSG_RESULT(yes)
    AC_DEFINE(HAVE_IFLIST_SYSCTL)],
    [AC_MSG_RESULT(no)])
# Check for some other useful functions that are not ever-present.

AC_CHECK_FUNC(strsep,
    [ISC_PLATFORM_NEEDSTRSEP="#undef ISC_PLATFORM_NEEDSTRSEP"],
    [ISC_PLATFORM_NEEDSTRSEP="#define ISC_PLATFORM_NEEDSTRSEP 1"])
AC_CHECK_FUNC(vsnprintf,
    [ISC_PLATFORM_NEEDVSNPRINTF="#undef ISC_PLATFORM_NEEDVSNPRINTF"],
    [ISC_PLATFORM_NEEDVSNPRINTF="#define ISC_PLATFORM_NEEDVSNPRINTF 1"])
AC_SUBST(ISC_PLATFORM_NEEDSTRSEP)
AC_SUBST(ISC_PLATFORM_NEEDVSNPRINTF)
AC_SUBST(ISC_EXTRA_OBJS)
AC_SUBST(ISC_EXTRA_SRCS)
AC_CHECK_FUNC(strerror,
    [USE_SYSERROR_LIST="#undef USE_SYSERROR_LIST"],
    [USE_SYSERROR_LIST="#define USE_SYSERROR_LIST 1"])
AC_SUBST(USE_SYSERROR_LIST)

# Determine the printf format characters to use when printing
# values of type isc_int64_t. We make the assumption that platforms
# where a "long long" is the same size as a "long" (e.g., Alpha/OSF1)
# want "%ld" and everyone else can use "%lld". Win32 uses "%I64d",
# but that's defined elsewhere since we don't use configure on Win32.
#
AC_MSG_CHECKING(printf format modifier for 64-bit integers)
AC_TRY_RUN([main() { exit(!(sizeof(long long int) == sizeof(long int))); }],
    [AC_MSG_RESULT(l)],
    [AC_MSG_RESULT(ll)],
    [AC_MSG_RESULT(default ll)],
AC_SUBST(ISC_PLATFORM_QUADFORMAT))

# Security Stuff
#
AC_CHECK_FUNC(chroot, AC_DEFINE(HAVE_CHROOT))

# for accept, recvfrom, getpeername etc.
#
AC_MSG_CHECKING(for socket length type)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, socklen_t *);
].),
[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T socklen_t"
AC_MSG_RESULT(socklen_t)]
.
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, unsigned int *);
].),
[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T unsigned int"
AC_MSG_RESULT(unsigned int)]
.
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, unsigned long *);
].),
[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T unsigned long"
AC_MSG_RESULT(unsigned long)]
.
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>
int accept(int, struct sockaddr *, long *);
].),
[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T long"
AC_MSG_RESULT(long)]
.
ISC_SOCKLEN_T="#define ISC_SOCKLEN_T int"
AC_MSG_RESULT(int)
))
AC_SUBST(ISC_SOCKLEN_T)

AC_CHECK_FUNC(getgrouplist,
AC_TRY_COMPILE(
#include <unistd.h>
int
getgrouplist(const char *name, int basegid, int *groups, int *ngroups) {
}
],
[return (0);],
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, int basegid, int *groups, int *ngroups"
.

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GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, gid_t basegid, gid_t *groups, int *ngroups" \),
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, gid_t basegid, gid_t *groups, int *ngroups"
AC_DEFINE(NEED_GETGROUPLIST)
)
AC_SUBST(GETGROUPLIST_ARGS)

AC_CHECK_FUNC(setgroupent,,AC_DEFINE(NEED_SETGROUPENT))

AC_CHECK_FUNC(getnetbyaddr_r,
AC_TRY_COMPILE(\[
  \#undef _REENTRANT
  \#define _REENTRANT
  \#define __OSF_SOURCE
  \#undef __USE_MISC
  \#define __USE_MISC
  \#include <netdb.h>
  struct netent *
  getnetbyaddr_r(long net, int type, struct netent *result, char *buffer, 
  int buflen) {}
], 
[return (0)],
[\ NET_R_ARGS="#define NET_R_ARGS char *buf, int buflen"
  NET_R.BAD="#define NET_R_COPY buf, buflen"
  NET.R_COPY_ARGS="#define NET_R_COPY_ARGS NET_R_ARGS"
  NET.R_OK="#define NET_R_OK nptr"
  NET.R_SETANSWER="#undef NET_R_SETANSWER"
  NET.R_RETURN="#define NET_R_RETURN struct netent *
  GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
  NETENT_DATA="#undef NETENT_DATA"
],
AC_TRY_COMPILE(\[
  \#undef _REENTRANT
  \#define _REENTRANT
  \#define __OSF_SOURCE
  \#undef __USE_MISC
  \#define __USE_MISC
  \#include <netdb.h>
  int getnetbyaddr_r (unsigned long int, int, struct netent *,
  char *, size_t, struct netent **, int *)
],
[return (0)],
# Open Source Used In IOSXE Releases 17.7.1-images 4558

```
[36x36]Open Source Used In IOSXE Releases 17.7.1-images 4558

NET_R_ARGS="#define NET_R_ARGS char *buf, size_t buflen, struct netent **answerp, int *h_errno"
NET_R_BAD="#define NET_R_BAD ERANGE"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS char *buf, size_t buflen"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#define NET_R_SETANSWER 1"
NET_R_RETURN="#define NET_R_RETURN int"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T unsigned long int"
NETENT_DATA="#define NETENT_DATA"
AC_TRY_COMPILE(}
# define _REENTRANT
# define _REENTRANT
# define __OSF_SOURCE
# undef __USE_MISC
# define __USE_MISC
#include <netdb.h>
extern int getnetbyaddr_r(int, int, struct netent *, struct netent_data *);
[return (0)],
[NET_R_ARGS="#define NET_R_ARGS struct netent_data *ndptr"
NET_R_BAD="#define NET_R_BAD (-1)"
NET_R_COPY="#define NET_R_COPY ndptr"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS struct netent_data *ndptr"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#define NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN int"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T int"
NETENT_DATA="#define NETENT_DATA 1"
],
AC_TRY_COMPILE(}
# undef __USE_MISC
# define __USE_MISC
[#include <netdb.h>
int getnetbyaddr_r (long, int, struct netent *, struct netent_data *);
[return (0)],
[NET_R_ARGS="#define NET_R_ARGS struct netent_data *ndptr"
NET_R_BAD="#define NET_R_BAD (-1)"
NET_R_COPY="#define NET_R_COPY ndptr"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS struct netent_data *ndptr"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#define NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN int"
```

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GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#define NETENT_DATA 1"

NET_R_ARGS="#define NET_R_ARGS char *buf, int buflen"
NET_R_BAD="#define NET_R_BAD NULL"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS NET_R_ARGS"
NET_R_OK="#define NET_R_OK nptr"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN struct netent *"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#undef NETENT_DATA"

case "$host" in
dec-osf*) GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T int" ;;
esac
AC_SUBST(NET_R_ARGS)
AC_SUBST(NET_R_BAD)
AC_SUBST(NET_R_COPY)
AC_SUBST(NET_R_COPY_ARGS)
AC_SUBST(NET_R_OK)
AC_SUBST(NET_R_SETANSWER)
AC_SUBST(NET_R_RETURN)
AC_SUBST(GETNETBYADDR_ADDR_T)
AC_SUBST(NETENT_DATA)

AC_CHECK_FUNC(setnetent_r,
AC_TRY_COMPILE(
[ #undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void setnetent_r (int);
], [return (0);],
NET_R_ENT_ARGS="#undef NET_R_ENT_ARGS /*empty*/"
NET_R_SET_RESULT="#undef NET_R_SET_RESULT /*empty*/"
NET_R_SET_RETURN="#define NET_R_SET_RETURN void"
],
AC_TRY_COMPILE(
[ #define _REENTRANT
#undef __USE_MISC
#define __USE_MISC

#include <netdb.h>
extern int setnetent_r(int, struct netent_data *);
] ,[return (0)];,[
NET_R_ENT_ARGS="#define NET_R_ENT_ARGS struct netent_data *ndptr"
NET_R_SET_RESULT="#define NET_R_SET_RESULT NET_R_OK"
NET_R_SET_RETURN="#define NET_R_SET_RETURN int"
],
)
)
)
.NET_R_ENT_ARGS="#undef NET_R_ENT_ARGS /*empty*/"
NET_R_SET_RESULT="#undef NET_R_SET_RESULT /*empty*/"
NET_R_SET_RETURN="#define NET_R_SET_RETURN void"
)
AC_SUBST(NET_R_ENT_ARGS)
AC_SUBST(NET_R_SET_RESULT)
AC_SUBST(NET_R_SET_RETURN)

AC_CHECK_FUNC(endnetent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void endnetent_r (void);
] ,[return (0)];,[
NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN="#define NET_R_END_RETURN void"
],
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int endnetent_r(struct netent_data *);
] ,[return (0)];,[
NET_R_END_RESULT="#define NET_R_END_RESULT(x) return (x)"
NET_R_END_RETURN="#define NET_R_END_RETURN int"
],
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endnetent_r(struct netent_data *);
]
 , [return (0)]; ]

NET_R_END_RESULT = "#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN = "#define NET_R_END_RETURN void"
]
)
)
)
)

NET_R_END_RESULT = "#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN = "#define NET_R_END_RETURN void"
)
AC_SUBST(NET_R_END_RESULT)
AC_SUBST(NET_R_END_RETURN)

AC_CHECK_FUNC(getgrnam_r, AC_DEFINE(NEED_GETGRNAM_R))
AC_CHECK_FUNC(getgrgid_r, AC_DEFINE(NEED_GETGRGID_R))

AC_CHECK_FUNC(getgrent_r,

AC_TRY_COMPILE(
[

  #include <grp.h>

  struct group *getgrent_r(struct group *grp, char *buffer,
      int buflen) {}
]
 , [return (0)]; ]

GROUP_R_ARGS = "#define GROUP_R_ARGS char *buf, int buflen"
GROUP_R_BAD = "#define GROUP_R_BAD NULL"
GROUP_R_OK = "#define GROUP_R_OK gptr"
GROUP_R_RETURN = "#define GROUP_R_RETURN struct group *"
],
)
)

GROUP_R_ARGS = "#define GROUP_R_ARGS char *buf, int buflen"
GROUP_R_BAD = "#define GROUP_R_BAD NULL"
GROUP_R_OK = "#define GROUP_R_OK gptr"
GROUP_R_RETURN = "#define GROUP_R_RETURN struct group *"
AC_DEFINE(NEED_GETGRENTER_R)
)
AC_SUBST(GROUP_R_ARGS)
AC_SUBST(GROUP_R_BAD)
AC_SUBST(GROUP_R_OK)
AC_SUBST(GROUP_R_RETURN)

AC_CHECK_FUNC(endgrent_r,

GROUP_R_END_RESULT = "#define GROUP_R_END_RESULT(x) /*empty*/"
GROUP_R_END_RETURN="#define GROUP_R_END_RETURN void"
GROUP_R_ENT_ARGS="#define GROUP_R_ENT_ARGS void"
AC_DEFINE(NEED_ENDGRENT_R)
)
AC_SUBST(GROUP_R_END_RESULT)
AC_SUBST(GROUP_R_END_RETURN)
AC_SUBST(GROUP_R_ENT_ARGS)

AC_CHECK_FUNC(setgrent_r,
.
GROUP_R_SET_RESULT="#undef GROUP_R_SET_RESULT /*empty*/"
GROUP_R_SET_RETURN="#define GROUP_R_SET_RETURN void"
AC_DEFINE(NEED_SETGRENT_R)
)
AC_SUBST(GROUP_R_SET_RESULT)
AC_SUBST(GROUP_R_SET_RETURN)

AC_CHECK_FUNC(gethostbyname_r,
AC_TRY_COMPILE(
[
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    struct hostent  *gethostbyname_r
    (const char *name, struct hostent *hp, char *buf, int len, int *h_errnop) {} 
],
[return (0);],
[
    HOST_R_ARGS="#define HOST_R_ARGS char *buf, int buflen, int *h_errnop"
    HOST_R_BAD="#define HOST_R_BAD NULL"
    HOST_R_COPY="#define HOST_R_COPY buf, buflen"
    HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
    HOST_R_ERRNO="#define HOST_R_ERRNO *h_errnop = h_errno"
    HOST_R_OK="#define HOST_R_OK hptr"
    HOST_R_RETURN="#define HOST_R_RETURN struct hostent *"
    HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
    HOSTENT_DATA="#undef HOSTENT_DATA"
]
,
AC_TRY_COMPILE({
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    int gethostbyname_r(const char *name,
        struct hostent *result,
        struct hostent_data *hdptr);
    },]
HOST_R_ARGS="#define HOST_R_ARGS struct hostent_data *hdptr"
HOST_R_BAD="#define HOST_R_BAD (-1)"
HOST_R_COPY="#define HOST_R_COPY hdptr"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS HOST_R_ARGS"
HOST_R_ERRNO="#define HOST_R_ERRNO NULL"
HOST_R_OK="#define HOST_R_OK 0"
HOST_R_RETURN="#define HOST_R_RETURN int"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#define HOSTENT_DATA 1"

},
AC_TRY_COMPILE({
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int gethostbyname_r (const char *,
    struct hostent *,
    char *, size_t,
    struct hostent **,
    int *);

},

HOST_R_ARGS="#define HOST_R_ARGS char *buf, size_t buflen, struct hostent **answerp, int *h_errnop"
HOST_R_BAD="#define HOST_R_BAD ERANGE"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errnop = h_errno"
HOST_R_OK="#define HOST_R_OK 0"
HOST_R_RETURN="#define HOST_R_RETURN int"
HOST_R_SETANSWER="#define HOST_R_SETANSWER 1"
HOSTENT_DATA="#undef HOSTENT_DATA"

},
))

,
HOST_R_ARGS="#define HOST_R_ARGS char *buf, int buflen, int *h_errnop"
HOST_R_BAD="#define HOST_R_BAD NULL"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errnop = h_errno"
HOST_R_OK="#define HOST_R_OK hptr"
HOST_R_RETURN="#define HOST_R_RETURN struct hostent *
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#undef HOSTENT_DATA"
)
AC_SUBST(HOST_R_ARGS)
AC_SUBST(HOST_R_BAD)
AC_SUBST(HOST_R_COPY)
AC_SUBST(HOST_R_COPY_ARGS)
AC_SUBST(HOST_R_ERRNO)
AC_SUBST(HOST_R_OK)
AC_SUBST(HOST_R_RETURN)
AC_SUBST(HOST_R_SETANSWER)
AC_SUBST(HOSTENT_DATA)

AC_CHECK_FUNC(endhostent_r,
AC_TRY_COMPILE({
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int endhostent_r(struct hostent_data *buffer);
},
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) return (x)"
HOST_R_END_RETURN="#define HOST_R_END_RETURN int"
HOST_R_ENT_ARGS="#define HOST_R_ENT_ARGS struct hostent_data *hdptr"
},
AC_TRY_COMPILE({
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endhostent_r(struct hostent_data *ht_data);
},
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x)"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#define HOST_R_ENT_ARGS struct hostent_data *hdptr"
},
AC_TRY_COMPILE({
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endhostent_r(void);
},
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) /*empty*/"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#undef HOST_R_ENT_ARGS /*empty*/"
),

HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) /*empty*/"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#undef HOST_R_ENT_ARGS /*empty*/"
AC_SUBST(HOST_R_END_RESULT)
AC_SUBST(HOST_R_END_RETURN)
AC_SUBST(HOST_R_ENT_ARGS)

AC_CHECK_FUNC(sethostent_r,
AC_TRY_COMPILE({
#define _REENTRANT
#define __USE_MISC

#include <netdb.h>
extern void sethostent_r(int flag, struct hostent_data *ht_data);
},[]),
[HOST_R_SET_RESULT="#undef HOST_R_SET_RESULT /*empty*/"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void"]
AC_TRY_COMPILE({
#define _REENTRANT
#define __USE_MISC

#include <netdb.h>
extern int sethostent_r(int flag, struct hostent_data *ht_data);
},[]),
[HOST_R_SET_RESULT="#define HOST_R_SET_RESULT 0"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN int"]
AC_TRY_COMPILE({
#define _REENTRANT
#define __USE_MISC

#include <netdb.h>
void sethostent_r(int);
},[]),
[HOST_R_SET_RESULT="#undef HOST_R_SET_RESULT"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void"]
)

AC_SUBST(HOST_R_SET_RESULT)
AC_SUBST(HOST_R_SET_RETURN)

AC_MSG_CHECKING(struct passwd element pw_class)
AC_TRY_COMPILE({
#include <pwd/types.h>
#include <pwd.h>


struct passwd *pw; pw->pw_class = "";
AC_MSG_RESULT(yes)
AC_DEFINE(HAS_PW_CLASS)
,
AC_MSG_RESULT(no)
)

AC_TRY_COMPILE(
#include <sys/types.h>
#include <pwd.h>
void
setpwent(void) {}
],
[return (0);],
SETPWENT_VOID="#define SETPWENT_VOID 1"
,
SETPWENT_VOID="#undef SETPWENT_VOID"
)  
AC_SUBST(SETPWENT_VOID)

AC_TRY_COMPILE(
#include <sys/types.h>
#include <grp.h>
void
setgrent(void) {}
],
[return (0);],
SETGRENT_VOID="#define SETGRENT_VOID 1"
,
SETGRENT_VOID="#undef SETGRENT_VOID"
)  
AC_SUBST(SETGRENT_VOID)

AC_CHECK_FUNC(getnetgrent_r, AC_TRY_COMPILE( 
[  
#undef __USE_MISC 
#define __USE_MISC
#include <netdb.h>
int getnetgrent_r(char **m, char **u, char **d, char *b, int l) {}
] ],
[return (0);],
[NGR_R_ARGS="#define NGR_R_ARGS char *buf, int buflen"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf, buflen"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS NGR_R_ARGS"}
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
}
,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int getnetgrent_r(char **m, char **u, char **d, char *b, size_t l) {}
]
)
,[return (0)];,
[
NGR_R_ARGS="#define NGR_R_ARGS char *buf, size_t buflen"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf, buflen"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
]
,
AC_TRY_COMPILE(
[
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int getnetgrent_r( char **, char **, char **, void **);
]
)
,[return (0)];,
[
NGR_R_ARGS="#define NGR_R_ARGS void **buf"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
NGR_R_PRIVATE="#define NGR_R_PRIVATE 1"
]
,)
,)
,)
,)
,
NGR_R_ARGS="#define NGR_R_ARGS char *buf, int buflen"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf, buflen"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
)
AC_SUBST(NGR_R_ARGS)
AC_SUBST(NGR_R_BAD)
AC_SUBST(NGR_R_COPY)
AC_SUBST(NGR_R_COPY_ARGS)
AC_SUBST(NGR_R_OK)
AC_SUBST(NGR_R_RETURN)
AC_SUBST(NGR_R_PRIVATE)

AC_CHECK_FUNC(endnetgrent_r,
NGR_R_END_RESULT="#define NGR_R_END_RESULT(x) return (x)"
NGR_R_END_RETURN="#define NGR_R_END_RETURN int"
NGR_R_ENT_ARGS="#define NGR_R_ENT_ARGS NGR_R_ARGS"
,
NGR_R_END_RESULT="#define NGR_R_END_RESULT(x) /*empty*/"
NGR_R_END_RETURN="#define NGR_R_END_RETURN void"
NGR_R_ENT_ARGS="#undef NGR_R_ENT_ARGS /*empty*/"
AC_DEFINE(NEED_ENDNETGRENT_R)
)
AC_SUBST(NGR_R_END_RESULT)
AC_SUBST(NGR_R_END_RETURN)
AC_SUBST(NGR_R_ENT_ARGS)

AC_CHECK_FUNC(setnetgrent_r,
[
  case "$host" in
  *bsd*)
NGR_R_SET_RESULT="#undef NGR_R_SET_RESULT /*empty*/"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN void"
  ::
  *
NGR_R_SET_RESULT="#define NGR_R_SET_RESULT NGR_R_OK"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN int"
  ::
  esac
  ,
NGR_R_SET_RESULT="#undef NGR_R_SET_RESULT /*empty*/"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN void"
)
AC_SUBST(NGR_R_SET_RESULT)
AC_SUBST(NGR_R_SET_RETURN)
AC_CHECK_FUNC(innetgr_r,,AC_DEFINE(NEED_INNETGR_R))
AC_CHECK_FUNC(getprotoent_r,
AC_TRY_COMPILE(
    [ 
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    struct protoent *getprotoent_r(struct protoent *result,
        char *buffer, int buflen) {} 
    ]
    , 
    [return (0);]
    ,
    [ 
    PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, int buflen"
    PROTO_R_BAD="#define PROTO_R_BAD NULL"
    PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
    PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS PROTO_R_ARGS"
    PROTO_R_OK="#define PROTO_R_OK pptr"
    PROTO_R_SETANSWER="#undef PROTO_R_SETANSWER"
    PROTO_R_RETURN="#define PROTO_R_RETURN struct protoent **"
    ]
    ,
    AC_TRY_COMPILE( 
    [ 
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    int getprotoent_r (struct protoent *, char *, size_t, struct protoent **);
    ]
    ,
    [return (0);]
    ,
    [ 
    PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, size_t buflen, struct protoent **answerp"
    PROTO_R_BAD="#define PROTO_R_BAD ERANGE"
    PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
    PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS char *buf, size_t buflen"
    PROTO_R_OK="#define PROTO_R_OK 0"
    PROTO_R_SETANSWER="#define PROTO_R_SETANSWER 1"
    PROTO_R_RETURN="#define PROTO_R_RETURN int"
    ]
    ,
    )
    )
    )
    ,
    PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, int buflen"
    PROTO_R_BAD="#define PROTO_R_BAD NULL"
PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS PROTO_R_ARGS"
PROTO_R_OK="#define PROTO_R_OK pptr"
PROTO_R_SETANSWER="#undef PROTO_R_SETANSWER"
PROTO_R_RETURN="#define PROTO_R_RETURN struct protoent *"

AC_SUBST(PROTO_R_ARGS)
AC_SUBST(PROTO_R_BAD)
AC_SUBST(PROTO_R_COPY)
AC_SUBST(PROTO_R_COPY_ARGS)
AC_SUBST(PROTO_R_OK)
AC_SUBST(PROTO_R_SETANSWER)
AC_SUBST(PROTO_R_RETURN)

AC_CHECK_FUNC(endprotoent_r,
AC_TRY_COMPILE(
  [  
    #undef _REENTRANT
    #define _REENTRANT
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    void endprotoent_r(void);
  ]
  ,
  [
    PROTO_R_END_RESULT="#define PROTO_R_END_RESULT(x) /*empty*/"
    PROTO_R_END_RETURN="#define PROTO_R_END_RETURN void"
    PROTO_R_ENT_ARGS="#undef PROTO_R_ENT_ARGS"
  ]
  ,
  )
  ,
  [
    PROTO_R_END_RESULT="#define PROTO_R_END_RESULT(x) /*empty*/"
    PROTO_R_END_RETURN="#define PROTO_R_END_RETURN void"
    PROTO_R_ENT_ARGS="#undef PROTO_R_ENT_ARGS /*empty*/"
  ]
  )
AC_SUBST(PROTO_R_END_RESULT)
AC_SUBST(PROTO_R_END_RETURN)
AC_SUBST(PROTO_R_ENT_ARGS)

AC_CHECK_FUNC(setprotoent_r,
AC_TRY_COMPILE(
  [
    #undef _REENTRANT
    #define _REENTRANT
    #undef __USE_MISC
    #define __USE_MISC


#include <netdb.h>

void setprotoent_r __P((int));

PROTO_R_SET_RESULT="#undef PROTO_R_SET_RESULT"
PROTO_R_SET_RETURN="#define PROTO_R_SET_RETURN void"


PROTO_R_SET_RESULT="#undef PROTO_R_SET_RESULT"
PROTO_R_SET_RETURN="#define PROTO_R_SET_RETURN void"

AC_SUBST(PROTO_R_SET_RESULT)
AC_SUBST(PROTO_R_SET_RETURN)

AC_CHECK_FUNC(getpwent_r,
AC_TRY_COMPILE(
[
 #include <sys/types.h>
 #include <pwd.h>
 struct passwd *
 getpwent_r(struct passwd *pwptr, char *buf, int buflen) {}
]
[
]
[
]

PASS_R_ARGS="#define PASS_R_ARGS char *buf, int buflen"
PASS_R_BAD="#define PASS_R_BAD NULL"
PASS_R_COPY="#define PASS_R_COPY buf, buflen"
PASS_R_COPY_ARGS="#define PASS_R_COPY_ARGS PASS_R_ARGS"
PASS_R_OK="#define PASS_R_OK pwptr"
PASS_R_RETURN="#define PASS_R_RETURN struct passwd *"


AC_DEFINE(NEED_GETPWENT_R)

AC_SUBST(PASS_R_ARGS)
AC_SUBST(PASS_R_BAD)
AC_SUBST(PASS_R_COPY)
AC_SUBST(PASS_R_COPY_ARGS)
AC_SUBST(PASS_R_OK)
AC_SUBST(PASS_R_RETURN)
AC_CHECK_FUNC(endpwent_r, 
AC_TRY_COMPILE( 
    [ 
      #include <pwd.h> 
      void endpwent_r(FILE **pwfp); 
    ], 
    PASS_R_END_RESULT="#define PASS_R_END_RESULT(x) /*empty*/" 
    PASS_R_END_RETURN="#define PASS_R_END_RETURN void" 
    PASS_R_ENT_ARGS="#define PASS_R_ENT_ARGS FILE **pwptr" 
    , 
  ) 
  ,
PASS_R_END_RESULT="#define PASS_R_END_RESULT(x) /*empty*/" 
PASS_R_END_RETURN="#define PASS_R_END_RETURN void" 
PASS_R_ENT_ARGS="#undef PASS_R_ENT_ARGS" 
AC_DEFINE(NEED_ENDPWENT_R) 
) 
AC_SUBST(PASS_R_END_RESULT) 
AC_SUBST(PASS_R_END_RETURN) 
AC_SUBST(PASS_R_ENT_ARGS) 
AC_CHECK_FUNC(setpwent_r,AC_DEFINE(NEED_SETPWENT_R)) 
AC_CHECK_FUNC(setpwent,AC_DEFINE(NEED_SETPWENT)) 

AC_CHECK_FUNC(setpwent_r, 
AC_TRY_COMPILE( 
    [ 
      #include <pwd.h> 
      void setpwent_r(FILE **pwfp); 
    ], 
    PASS_R_SET_RESULT="#define PASS_R_SET_RESULT /* empty */" 
    PASS_R_SET_RETURN="#define PASS_R_SET_RETURN int" 
    , 
    AC_TRY_COMPILE( 
      [ 
        #include <pwd.h> 
        int setpwent_r(FILE **pwfp); 
      ], 
      PASS_R_SET_RESULT="#define PASS_R_SET_RESULT 0" 
      PASS_R_SET_RETURN="#define PASS_R_SET_RETURN int" 
      , 
    ) 
    , 
    ) 
    ) 
    , 
    PASS_R_SET_RESULT="#define PASS_R_SET_RESULT /*empty*/" 
PASS_R_SET_RETURN="#define PASS_R_SET_RETURN void" 
AC_DEFINE(NEED_SETPWENT_R) 
) 
AC_SUBST(PASS_R_SET_RESULT) 
AC_SUBST(PASS_R_SET_RETURN)
AC_CHECK_FUNC(getpwnam_r, AC_DEFINE(NEED_GETPWNAM_R))
AC_CHECK_FUNC(getpwuid_r, AC_DEFINE(NEED_GETPWUID_R))

AC_CHECK_FUNC(getservent_r,
AC_TRY_COMPILE([
  #undef __USE_MISC
  #define __USE_MISC
  #include <netdb.h>
  struct servent *
  getservent_r(struct servent *result, char *buffer, int buflen) {}
  ],[return (0);],
  [SERV_R_ARGS="#define SERV_R_ARGS char *buf, int buflen"
    SERV_R_BAD="#define SERV_R_BAD NULL"
    SERV_R_COPY="#define SERV_R_COPY buf, buflen"
    SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS SERV_R_ARGS"
    SERV_R_OK="#define SERV_R_OK sptr"
    SERV_R_SETANSWER="#undef SERV_R_SETANSWER"
    SERV_R_RETURN="#define SERV_R_RETURN struct servent *"
  ],
  AC_TRY_COMPILE([
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    int
    getservent_r (struct servent *, char *, size_t, struct servent **);
  ],[return (0);],
  [SERV_R_ARGS="#define SERV_R_ARGS char *buf, size_t buflen, struct servent **answerp"
    SERV_R_BAD="#define SERV_R_BAD ERANGE"
    SERV_R_COPY="#define SERV_R_COPY buf, buflen"
    SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS SERV_R_ARGS char *buf, size_t buflen"
    SERV_R_OK="#define SERV_R_OK (0)"
    SERV_R_SETANSWER="#define SERV_R_SETANSWER 1"
    SERV_R_RETURN="#define SERV_R_RETURN int"
  ],
  )
  )
  )
  ]

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SERV_R_RETURN="#define SERV_R_RETURN struct servant */
"
)  
AC_SUBST(SERV_R_ARGS)
AC_SUBST(SERV_R_BAD)
AC_SUBST(SERV_R_COPY)
AC_SUBST(SERV_R_COPY_ARGS)
AC_SUBST(SERV_R_OK)
AC_SUBST(SERV_R_SETANSWER)
AC_SUBST(SERV_R_RETURN)

AC_CHECK_FUNC(endservent_r,
AC_TRY_COMPILE(
[
 #undef _REENTRANT
 #define _REENTRANT
 #undef __USE_MISC
 #define __USE_MISC
 #include <netdb.h>
 void endservent_r(void);
 ]

)

, 

, 

SERV_R_END_RESULT="#define SERV_R_END_RESULT(x) /*empty*/" 
SERV_R_END_RETURN="#define SERV_R_END_RETURN void " 
SERV_R_ENT_ARGS="#undef SERV_R_ENT_ARGS /*empty*/" 
]

, 

)  

, 

SERV_R_END_RESULT="#define SERV_R_END_RESULT(x) /*empty*/" 
SERV_R_END_RETURN="#define SERV_R_END_RETURN void " 
SERV_R_ENT_ARGS="#undef SERV_R_ENT_ARGS /*empty*/" 
)

AC_SUBST(SERV_R_END_RESULT)
AC_SUBST(SERV_R_END_RETURN)
AC_SUBST(SERV_R_ENT_ARGS)

AC_CHECK_FUNC(setservent_r,
AC_TRY_COMPILE(
[
 #undef _REENTRANT
 #define _REENTRANT
 #undef __USE_MISC
 #define __USE_MISC
 #include <netdb.h>
 void setservent_r(int);
 ]

)
AC_TRY_COMPILE(
[  
#define _REENTRANT
#undef _REENTRANT
#define __USE_MISC
#undef __USE_MISC
#include <unistd.h>
#include <netdb.h>
int innetgr(const char *netgroup, const char *host, const char *user, const char *domain);
]
..  
[  
INNETGR_ARGS="#undef INNETGR_ARGS"
]
.
AC_TRY_COMPILE(
[  
#define _REENTRANT
#undef _REENTRANT
#define __USE_MISC
#undef __USE_MISC
#include <unistd.h>
#include <netdb.h>
int innetgr(char *netgroup, char *host, char *user, char *domain);
]
..  
[  
INNETGR_ARGS="#define INNETGR_ARGS char *netgroup, char *host, char *user, char *domain"
]
.
))

AC_TRY_COMPILE(
[}
#ifdef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>

void setnetgrent(const char *);

.. [SETNETGRENT_ARGS="#define SETNETGRENT_ARGS #netgroup"
   ]

AC_TRY_COMPILE(
   [SETNETGRENT_ARGS="#undef SETNETGRENT_ARGS"
   ],
   [AC_SUBST(SETNETGRENT_ARGS)
AC_SUBST(INNETGR_ARGS)
   # Random remaining OS-specific issues involving compiler warnings.
   # XXXDCL. print messages to indicate some compensation is being done?
   #
AC_SUBST(ISC_PLATFORM_BRACEPTHREADONCEINIT)
   ISC_PLATFORM_BRACEPTHREADONCEINIT="#undef ISC_PLATFORM_BRACEPTHREADONCEINIT"
   BROKEN_IN6ADDR_INIT_MACROS="#undef BROKEN_IN6ADDR_INIT_MACROS"

   case "$host" in
      *-bsdi3.1*)
      hack_shutup_sputaux=yes
      ;;
      *-bsdi4.0*)
      hack_shutup_sigwait=yes
      hack_shutup_sputaux=yes
      hack_shutup_in6addr_init_macros=yes

::
*-bsdi4.1*)
hack_shutup_stdargcast=yes
::*-solaris2.8*)
hack_shutup_pthreadonceinit=yes
  hack_shutup_in6addr_init_macros=yes
  esac

  case "hack_shutup_pthreadonceinit" in
  yes)
    #
    # Shut up PTHREAD_ONCE_INIT unbraced initializer warnings.
    #
    ISC_PLATFORM_BRACEPTHREADONCEINIT="#define ISC_PLATFORM_BRACEPTHREADONCEINIT 1"
  ;;
  esac

  case "hack_shutup_sigwait" in
  yes)
    #
    # Shut up a -Wmissing-prototypes warning for sigwait().
    #
    AC_DEFINE(SHUTUP_SIGWAIT)
  ;;
  esac

  case "hack_shutup_sputaux" in
  yes)
    #
    # Shut up a -Wmissing-prototypes warning from <stdio.h>.
    #
    AC_DEFINE(SHUTUP_SPUTAUX)
  ;;
  esac

  case "hack_shutup_stdargcast" in
  yes)
    #
    # Shut up a -Wcast-qual warning from va_start().
    #
    AC_DEFINE(SHUTUP_STDARG_CAST)
  ;;
  esac

  case "hack_shutup_in6addr_init_macros" in
  yes)
AC_DEFINE(BROKEN_INET6ADDR_INIT_MACROS)
:
; esac

# # Substitutions
#
AC_SUBST(BIND9_TOP_BUILDDIR)
BIND9_TOP_BUILDDIR=`pwd`

AC_SUBST_FILE(BIND9_INCLUDES)
BIND9_INCLUDES=$BIND9_TOP_BUILDDIR/make/includes

AC_SUBST_FILE(BIND9_MAKE_RULES)
BIND9_MAKE_RULES=$BIND9_TOP_BUILDDIR/make/rules

. $srcdir/././version
BIND9_VERSION="VERSION=${MAJORVER}.${MINORVER}.${PATCHVER}${RELEASETYPE}${RELEASEVER}"
AC_SUBST(BIND9_VERSION)

AC_SUBST_FILE(LIBBIND_API)
LIBBIND_API=$srcdir/api

AC_OUTPUT(
make/rules
make/mkdep
make/includes
Makefile
bsd/Makefile
dst/Makefile
include/Makefile
inet/Makefile
irs/Makefile
isc/Makefile
nameser/Makefile
port_after.h
port_before.h
resolv/Makefile
port/Makefile
${PORT_DIR}/Makefile
${PORT_INCLUDE}/Makefile
)

# Tell Emacs to edit this file in shell mode.
# Local Variables:
# mode: sh
# End:
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  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/events.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/log.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/aaaa_28.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/x25_19.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/rdataslab.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/ratelimiter.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/nsap_22.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/nxt_30.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/compress.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/dnssec.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/netaddr.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/journal.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/unspec_103.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/gpos_27.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/netaddr.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/journal.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/isdn_20.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/master.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/callbacks.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/rbt.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/ratelimiter.c
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/tsig.h
  */opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/acl.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/wks_11.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/zt.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/masterdump.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/lfsr.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/ncache.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rootns.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/zt.c

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/* $Id: platform.h.in,v 1.1 2004/11/03 01:39:05 abstine Exp $ */

#ifndef ISC_PLATFORM_H
#define ISC_PLATFORM_H 1

/*****
***** Platform-dependent defines.
*****/

/***
*** Network.
***/

/* Define if this system needs the <netinet/in6.h> header file included
 * for full IPv6 support (pretty much only UnixWare).
 */
@ISC_PLATFORM_NEEDNETINETIN6H@

/* Define if this system needs the <netinet6/in6.h> header file included
 * to support in6_pkinfo (pretty much only BSD/OS).
 */
@ISC_PLATFORM_NEEDNETINET6IN6H@

/* If sockaddrs on this system have an sa_len field, ISC_PLATFORM_HAVESALEN
 * will be defined.
 */
@ISC_PLATFORM_HAVESALEN@

/* If this system has the IPv6 structure definitions, ISC_PLATFORM_HAVEIPV6
* will be defined.
*/
@ISC_PLATFORM_HAVEIPV6@

/ *
* If this system is missing in6addr_any, ISC_PLATFORM_NEEDIN6ADDRANY will
* be defined.
*/
@ISC_PLATFORM_NEEDIN6ADDRANY@

/ *
* If this system is missing in6addr_loopback, ISC_PLATFORM_NEEDIN6ADDRLOOPBACK
* will be defined.
*/
@ISC_PLATFORM_NEEDIN6ADDRLOOPBACK@

/ *
* If this system has in6_pktinfo, ISC_PLATFORM_HAVEIN6PKTINFO will be
* defined.
*/
@ISC_PLATFORM_HAVEIN6PKTINFO@

/ *
* If this system has in6_addr6, rather than in6_addr, ISC_PLATFORM_HAVEINADDR6
* will be defined.
*/
@ISC_PLATFORM_HAVEINADDR6@

/ *
* If this system has sin6_scope_id, ISC_PLATFORM_HAVESCOPEID will be defined.
*/
@ISC_PLATFORM_HAVESCOPEID@

/ *
* If this system needs inet_ntop(), ISC_PLATFORM_NEEDNTOP will be defined.
*/
@ISC_PLATFORM_NEEDNTOP@

/ *
* If this system needs inet_pton(), ISC_PLATFORM_NEEDPTON will be defined.
*/
@ISC_PLATFORM_NEEDPTON@

/ *
* If this system needs inet_aton(), ISC_PLATFORM_NEEDATON will be defined.
*/
@ISC_PLATFORM_NEEDATON@
/*
 * If this system needs in_port_t, ISC_PLATFORM_NEEDPORTT will be defined.
 */
@ISC_PLATFORM_NEEDPORTT@

/*
 * If the system needs strlen(), ISC_PLATFORM_NEEDSTRSEP will be defined.
 */
@ISC_PLATFORM_NEEDSTRSEP@

/*
 * If the system needs strlcpy(), ISC_PLATFORM_NEEDSTRLCPY will be defined.
 */
@ISC_PLATFORM_NEEDSTRLCPY@

/*
 * If the system needs strlcat(), ISC_PLATFORM_NEEDSTRLCAT will be defined.
 */
@ISC_PLATFORM_NEEDSTRLCAT@

/*
 * Define either ISC_PLATFORM_BSD44MSGHDR or ISC_PLATFORM_BSD43MSGHDR.
 */
@ISC_PLATFORM_MSGHDRFLAVOR@

/*
 * Define if PTHREAD_ONCE_INIT should be surrounded by braces to
 * prevent compiler warnings (such as with gcc on Solaris 2.8).
 */
@ISC_PLATFORM_BRACEPTHREADONCEINIT@

/*
 * Define on some UnixWare systems to fix erroneous definitions of various
 * IN6_IS_ADDR_* macros.
 */
@ISC_PLATFORM_FIXIN6ISADDR@

/***
 *** Printing.
 ***/

/*
 * If this system needs vsnprintf() and snprintf(), ISC_PLATFORM_NEEDVSNPRINTF
 * will be defined.
 */
@ISC_PLATFORM_NEEDVSNPRINTF@
* If this system need a modern sprintf() that returns (int) not (char*).
*/
@ISC_PLATFORM_NEEDSPRINTF@

/*
 * The printf format string modifier to use with isc_uint64_t values.
 */
@ISC_PLATFORM_QUADFORMAT@

/*
 * Defined if we are using threads.
 */
@ISC_PLATFORM_USETHREADS@

/*
 * Defined if unistd.h does not cause fd_set to be delared.
 */
@ISC_PLATFORM_NEEDSYSSELECTH@

/*
 * Type used for resource limits.
 */
@ISC_PLATFORM_RLIMITTYPE@

/*
 * Define if your compiler supports "long long int".
 */
@ISC_PLATFORM_HAVELONGLONG@

/*
 * Define if the system has struct lifconf which is a extended struct ifconf
 * for IPv6.
 */
@ISC_PLATFORM_HAVELIFCONF@

/*
 * Define if the system has struct if_laddrconf which is a extended struct
 * ifconf for IPv6.
 */
@ISC_PLATFORM_HAVEIF_LADDRCONF@

/*
 * Define if the system has struct if_laddrreq.
 */
@ISC_PLATFORM_HAVEIF_LADDRREQ@

/*
 * Used to control how extern data is linked; needed for Win32 platforms.
/*
@ISC_PLATFORM_USEDECLSPEC@

/*
* Define if the system supports if_nametoindex.
*/
@ISC_PLATFORM_HAVEIFNAMETOINDEX@

/*
* Define if this system needs strtoul.
*/
@ISC_PLATFORM_NEEDSTRTOUL@

/*
* Define if this system needs memmove.
*/
@ISC_PLATFORM_NEEDMEMMOVE@

#ifndef ISC_PLATFORM_USEDECLSPEC
#define LIBISC_EXTERNAL_DATA
#define LIBDNS_EXTERNAL_DATA
#define LIBISCCC_EXTERNAL_DATA
#define LIBISCCFG_EXTERNAL_DATA
#define LIBBIND9_EXTERNAL_DATA
#else /* ISC_PLATFORM_USEDECLSPEC */
#endif

#ifndef ISC_PLATFORM_USEDECLSPEC
#ifdef LIBISC_EXPORTS
#define LIBISC_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISC_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif

#ifndef ISC_PLATFORM_USEDECLSPEC
#ifdef LIBDNS_EXPORTS
#define LIBDNS_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBDNS_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif

#ifndef ISC_PLATFORM_USEDECLSPEC
#ifdef LIBISCCC_EXPORTS
#define LIBISCCC_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISCCC_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif

#ifndef ISC_PLATFORM_USEDECLSPEC
#ifdef LIBISCCFG_EXPORTS
#define LIBISCCFG_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISCCFG_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif

#ifndef ISC_PLATFORM_USEDECLSPEC
#ifdef LIBBIND9_EXPORTS
#define LIBBIND9_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBBIND9_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif
#define LIBBIND9EXTERNAL_DATA __declspec(dllimport)
#endif
#endif /* ISC_PLATFORM_USEDECLSPEC */

/*
 * Tell emacs to use C mode for this file.
 * 
 * Local Variables:
 * mode: c
 * End:
 */

#endif /* ISC_PLATFORM_H */

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/inet_ntop.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/symtab.h

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"
" $Id: lwres_getnameinfo.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
```

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"

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*/
/
/*
This code implements the MD5 message-digest algorithm.
The algorithm is due to Ron Rivest. This code was
written by Colin Plumb in 1993, no copyright is claimed.
This code is in the public domain; do with it what you wish.
*
Equivalent code is available from RSA Data Security, Inc.
This code has been tested against that, and is equivalent,
except that you don't need to include two pages of legalese
with every copy.
*
To compute the message digest of a chunk of bytes, declare an
MD5Context structure, pass it to MD5Init, call MD5Update as
needed on buffers full of bytes, and then call MD5Final, which
will fill a supplied 16-byte array with the digest.
*/

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/aaaa_28.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/secalg.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/include/isc/dir.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/stdtime.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/app.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/x25_19.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/kx_36.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/nsap-ptr_23.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/a6_38.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/interfaceiter.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/dbtable.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rbtdb64.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/tcpmsg.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/isdn_20.h
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/bind9/getaddresses.c
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/bind/port/unixware20/include/sys/cdefs.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/bind/port/sco42/include/sys/cdefs.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/bind/port/hpux9/include/sys/cdefs.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/bind/port/cygwin/include/sys/cdefs.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/port/irix/include/sys/cdefs.h
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lwres_result_t
lwres_result_t
lwres_result_t
lwres_context_create
lwres_context_destroy
lwres_context_nextserial
lwres_context_initserial
lwres_context_freemem
lwres_context_allocmem
lwres_context_sendrecv

lightweight resolver context management

#include "lwres/lwres.h"

typedef struct lwres_ctxt_t lwres_ctxt_t;

lwres_ctxt_t *
lwres_ctxt_create(lwres_ctxt_t **contextp, void *arg);

lwres_ctxt_t *
lwres_ctxt_destroy(lwres_ctxt_t *context);

lwres_ctxt_t *
lwres_ctxt_nextserial(lwres_ctxt_t *context);

lwres_ctxt_t *
lwres_ctxt_initserial(lwres_ctxt_t *context);

lwres_ctxt_t *
lwres_ctxt_freemem(lwres_ctxt_t *context);

lwres_ctxt_t *
lwres_ctxt_allocmem(lwres_ctxt_t *context);

lwres_ctxt_t *
lwres_ctxt_sendrecv(lwres_ctxt_t *context, void *arg);

lwres_ctxt_t *
<paramdef>lwres_free_t free_function</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_context_destroy</function></funcdef>
<paramdef>lwres_context_t **contextp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_context_initserial</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_uint32_t serial</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_uint32_t
<function>lwres_context_nextserial</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_context_freemem</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>void *mem</paramdef>
<paramdef>size_t len</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_context_allocmem</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>size_t len</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void *
<function>lwres_context_sendrecv</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>void *sendbase</paramdef>
<paramdef>int sendlen</paramdef>
<paramdef>void *recvbase</paramdef>
<paramdef>int recvlen</paramdef>
<paramdef>int *recv_len</paramdef>
</funcprototype>
</funcsynopsis>
<refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_context_create()</function> creates a
<type>lwres_context_t</type> structure for use in lightweight resolver operations.
It holds a socket and other data needed for communicating with a resolver daemon.
The new <type>lwres_context_t</type> is returned through
<parameter>contextp</parameter>, a pointer to a <type>lwres_context_t</type> pointer. This
<type>lwres_context_t</type> pointer must initially be NULL, and is modified to point to the newly created
<type>lwres_context_t</type>.

</para>
<para>
When the lightweight resolver needs to perform dynamic memory allocation, it will call
<parameter>malloc_function</parameter> to allocate memory and
<parameter>free_function</parameter> to free it. If
<parameter>malloc_function</parameter> and
<parameter>free_function</parameter> are NULL, memory is allocated using
.Xr malloc 3
and
<citerefentry>
<refentrytitle>free</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.

It is not permitted to have a NULL
<parameter>malloc_function</parameter> and a non-NULL
<parameter>free_function</parameter> or vice versa.
<parameter>arg</parameter> is passed as the first parameter to the memory allocation functions.
If <parameter>malloc_function</parameter> and <parameter>free_function</parameter> are NULL, <parameter>arg</parameter> is unused and should be passed as NULL.

Once memory for the structure has been allocated, it is initialized using <cite>lwres_conf_init</cite> and returned via <parameter>*contextp</parameter>.

<function>lwres_context_destroy()</function> destroys a <type>lwres_context_t</type>, closing its socket.
<parameter>contextp</parameter> is a pointer to a pointer to the context that is to be destroyed.
The pointer will be set to NULL when the context has been destroyed.

The context holds a serial number that is used to identify resolver request packets and associate responses with the corresponding requests. This serial number is controlled using <function>lwres_context_initserial()</function> and <function>lwres_context_nextserial()</function>.<function>lwres_context_initserial()</function> sets the serial number for context <parameter>*ctx</parameter> to <parameter>serial</parameter>.
<function>lwres_context_nextserial()</function> increments the serial number and returns the previous value.
Memory for a lightweight resolver context is allocated and freed using
\function{lwres_context_allocmem()}\function{\text{and}}
\function{lwres_context_freemem()}. These use whatever allocations were defined when the context was
created with
\function{lwres_context_create()}.\function{lwres_context_allocmem()} allocates
\parameter{len} bytes of memory and if successful returns a pointer to the allocated storage.
\function{lwres_context_freemem()} frees
\parameter{len} bytes of space starting at location
\parameter{mem}.\function{lwres_context_sendrecv()} performs I/O for the context
\parameter{ctx}. Data are read and written from the context’s socket. It writes data from
\parameter{sendbase}— typically a lightweight resolver query packet — and waits for a reply which is copied to the receive buffer at
\parameter{recvbase}. The number of bytes that were written to this receive buffer is returned in
\parameter{*recvd_len}.\function{lwres_context_sendrecv()}\function{lwres_context_create()} returns
\errorcode{LWRES_R_NOMEMORY} if memory for the \type{struct lwres_context} could not be allocated.
Successful calls to the memory allocator <function>lwres_context_allocmem()</function> return a pointer to the start of the allocated space. It returns NULL if memory could not be allocated.

Successful calls to the memory allocator <function>lwres_context_sendrecv()</function> is returned when <function>lwres_context_sendrecv()</function> completes successfully.

<errorcode>LWRES_R_SUCCESS</errorcode> is returned when <function>lwres_context_sendrecv()</function> completes successfully.

<errorcode>LWRES_R_IOERROR</errorcode> is returned if an I/O error occurs and <errorcode>LWRES_R_TIMEOUT</errorcode> is returned if <function>lwres_context_sendrecv()</function> times out waiting for a response.

<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres_conf_init</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>malloc</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>free</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.
</para>
</refsect1>
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 * By Steve Reid <steve@edmweb.com>
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- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/proforma.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/a_1.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/include/isc/netaddr.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/include/isc/buffer.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/null_10.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/soa_6.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/include/isc/event.h
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- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/hinfo_13.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/include/isc/lex.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/txt_16.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/pthreads/include/isc/mutex.h

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eventlib definitions specific to binos

January 2007, Vikram Visweswarai

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 * A9993E36 4706816A BA3E2571 7850C26C 9CD0D89D
 * "abcdcedfdegefghgghighijhjkljklmklmnlmnopnopq"
 * 84983E44 1C3BD26E BAAE4AA1 F95129E5 E54670F1
 * A million repetitions of "a"
 * 34AA973C D4C4DAA4 F61EEB2B DBAD2731 6534016F
*/

Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/dlv_65323.c
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$Id: bindevt.mc,v 1.1 2004/11/03 01:39:06 abstine Exp $

MessageIdTypedef=DWORD

LanguageNames = (English=0x409:MSG00409)

OutputBase = 16

MensajeId=0x1
Severity=Error
Facility=Application
SymbolicName=BIND_ERR_MSG
Language=English
%1

MensajeId=0x2
Severity=Warning
Facility=Application
SymbolicName=BIND_WARN_MSG
Language=English
%1

MensajeId=0x3
Severity=Informational
Facility=Application
SymbolicName=BIND_INFO_MSG
Language=English
%1

Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/win32/bindevt/bindevt.mc
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Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/isc/ev_waits.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/isc/ev_streams.c

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/kx_36.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/log.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/srv_33.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/tkey_249.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/print.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/nsec.c
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/log.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/types.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/tkey_249.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rbt.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/loc_29.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/message.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/app.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/net.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/net.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/adb.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/adb.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/xfrin.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/include/isc/net.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/zone.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/tests/t_api.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/key_25.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/adb.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/adb.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/xfrin.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/in_1/a6_38.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/random.c

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"Os OPERATING_SYSTEM [version/release]
" The following requests should be uncommented and
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" This next request is for sections 1, 6, 7 & 8 only
" .Sh ENVIRONMENT
" .Sh EXAMPLES
" This next request is for sections 1, 6, 7 & 8 only
" (command return values (to shell) and
" fprintf(stderr type diagnostics)
" The next request is for sections 2 and 3 error
" and signal handling only.
" .Sh STANDARDS
" .Sh HISTORY
" .Sh BUGS

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/include/isc/misc.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/isc/ev_connects.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/include/isc/eventlib.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/isc/ev_timers.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/isc/eventlib.c

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/resolv/res_mkquery.c
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*/
<refmeta>
<refentrytitle>lwres_config</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>

<refnamediv>
<refname>lwres_conf_init</refname>
<refname>lwres_conf_clear</refname>
<refname>lwres_conf_parse</refname>
<refname>lwres_conf_print</refname>
<refname>lwres_conf_get</refname>
<refpurpose>lightweight resolver configuration</refpurpose>
</refnamediv>

<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>
#include &lt;lwres/lwres.h&gt;
</funcsynopsisinfo>
<funcprototype>
void
<function>lwres_conf_init</function>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
void
<function>lwres_conf_clear</function>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
lwres_result_t
<function>lwres_conf_parse</function>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>const char *filename</paramdef>
</funcprototype>
<funcprototype>
lwres_result_t
<function>lwres_conf_print</function>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>FILE *fp</paramdef>
</funcprototype>
<funcprototype>
lwres_conf_t *
<function>lwres_conf_get</function></funcdef>

<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_conf_init()</function> creates an empty
<type>lwres_conf_t</type> structure for lightweight resolver context
<parameter>ctx</parameter>. 
</para>

<para>
<function>lwres_conf_clear()</function> frees up all the internal memory used by
that
<type>lwres_conf_t</type> structure in resolver context
<parameter>ctx</parameter>. 
</para>

<para>
<function>lwres_conf_parse()</function> opens the file
<parameter>filename</parameter> and parses it to initialise the resolver context
<parameter>ctx</parameter>’s
<type>lwres_conf_t</type> structure. 
</para>

<para>
<function>lwres_conf_print()</function> prints the
<type>lwres_conf_t</type> structure for resolver context
<parameter>ctx</parameter> to the
<type>FILE</type>
<parameter>fp</parameter>. 
</para>
</refsect1>

<refsect1>
<title>RETURN VALUES</title>
<para>
<function>lwres_conf_parse()</function>
returns
<errorcode>LWRES_R_SUCCESS</errorcode>
if it successfully read and parsed
<parameter>filename</parameter>.  
It returns
<errorcode>LWRES_R_FAILURE</errorcode>
if
<parameter>filename</parameter>
could not be opened or contained incorrect resolver statements.
</para>
</para>
</function>

lwres_conf_print() returns
<errorcode>LWRES_R_SUCCESS</errorcode>
unless an error occurred when converting the network addresses to a numeric host address string.
If this happens, the function returns
<errorcode>LWRES_R_FAILURE</errorcode>.
</para>
</refsect1>
</refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>stdio</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
</para>
<citerefentry>
<refentrytitle>resolver</refentrytitle><manvolnum>5</manvolnum>
</refentrytitle>,
</citerefentry>
<refentrytitle>resolv</refentrytitle><manvolnum>3</manvolnum>
</refentrytitle>.
</refsect1>
<refsect1>
<title>FILES</title>
<para>
<filename>/etc/resolv.conf</filename>
</para>
</refsect1>
</refentry>

Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/man/lwres_config.docbook
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" $Id: lwres_gai_strerror.3,v 1.1 2004/11/03 01:39:06 abstine Exp $

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/dst/hmac_link.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/dst/dst_internal.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/dst/support.c
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/include/isc/ipv6.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/unix/include/lwres/net.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isccfg/include/isccfg/cfg.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/pthreads/mutex.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/errno2result.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/sec/dst/include/dst/dst.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/errno2result.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/unix/include/lwres_gnba.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/file.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/sec/dst/gssapi_link.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/fsaccess.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/os.c
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 * msg_eventlib.c - Error messages for evlib
 *
 * January 2007, Vikram Visweswaraiah
 *
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/nameser/ns_sign.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/nameser/ns_verify.c

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/resolv/res_findzonecut.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/include/irp.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/resolv/res_debug.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/port/sco42/include/sys/un.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/include/isc/irpmarshall.h
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<refentry>
  <refentryinfo>
    <date>Jun 30, 2000</date>
  </refentryinfo>
  <refmeta>
    <refentrytitle>lwres_getaddrinfo</refentrytitle>
    <manvolnum>3</manvolnum>
    <refmiscinfo>BIND9</refmiscinfo>
  </refmeta>
  <refnamediv>
    <refname>lwres_getaddrinfo</refname>
    <refname>lwres_freeaddrinfo</refname>
    <refpurpose>socket address structure to host and service name</refpurpose>
  </refnamediv>
  <refsynopsisdiv>
    <funcsynopsis>
      #include &lt;lwres/netdb.h&gt;
    </funcsynopsis>
    <funcprototype>
      int
      <function>lwres_getaddrinfo</function>
      <paramdef>const char *hostname</paramdef>
      <paramdef>const char *servname</paramdef>
      <paramdef>const struct addrinfo *hints</paramdef>
      <paramdef>struct addrinfo **res</paramdef>
    </funcprototype>
    <funcprototype>
      void
      <function>lwres_freeaddrinfo</function>
      <paramdef>struct addrinfo *ai</paramdef>
    </funcprototype>
  </funcsynopsis>

  <para>
    If the operating system does not provide a
the following structure is used:

```
<programlisting>
struct addrinfo {
    int ai_flags; /* AI_PASSIVE, AI_CANONNAME */
    int ai_family; /* PF_xxx */
    int ai_socktype; /* SOCK_xxx */
    int ai_protocol; /* 0 or IPPROTO_xxx for IPv4 and IPv6 */
    size_t ai_addrlen; /* length of ai_addr */
    char *ai_canonname; /* canonical name for hostname */
    struct sockaddr *ai_addr; /* binary address */
    struct addrinfo *ai_next; /* next structure in linked list */
};
</programlisting>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_getaddrinfo()</function> is used to get a list of IP addresses and port numbers for host
<parameter>hostname</parameter> and service
<parameter>servname</parameter>.

The function is the lightweight resolver's implementation of
<function>getaddrinfo()</function> as defined in RFC2133.
<parameter>hostname</parameter> and
<parameter>servname</parameter> are pointers to null-terminated
strings or
<type>NULL</type>.

<parameter>hostname</parameter> is either a host name or a numeric host address string: a dotted decimal
IPv4 address or an IPv6 address.
<parameter>servname</parameter> is either a decimal port number or a service name as listed in
<filename>/etc/services</filename>.
</para>

<para>
<parameter>hints</parameter>
```
is an optional pointer to a
\texttt{struct addrinfo}.
This structure can be used to provide hints concerning the type of socket
that the caller supports or wishes to use.
The caller can supply the following structure elements in
\texttt{*hints}: 

\begin{variablelist}
  \begin{varlistentry}
    \term{\constant{ai_family}}
    \listitem
    \para{The protocol family that should be used.}
    \begin{constant}{ai_family}
      \type{PF_UNSPEC}
      \para{it means the caller will accept any protocol family supported by the}
      \para{operating system.}
    \end{constant}
  \end{varlistentry}
  \begin{varlistentry}
    \term{\constant{ai_socktype}}
    \listitem
    \para{denotes the type of socket \textendash;}
    \begin{constant}{SOCK_STREAM}
    \begin{constant}{SOCK_DGRAM}
      \para{or}
      \begin{constant}{SOCK_RAW}
        \para{and that is wanted.}
      \end{constant}
    \end{constant}
  \end{constant}
  \para{When}
  \begin{constant}{ai_socktype}
    \para{is zero the caller will accept any socket type.}
  \end{constant}
  \end{varlistentry}
  \begin{varlistentry}
    \term{\constant{ai_protocol}}
    \listitem
    \para{indicates which transport protocol is wanted: IPPROTO_UDP or}
    \begin{constant}{IPPROTO_TCP}
      \para{If}
      \begin{constant}{ai_protocol}
        \para{is zero the caller will accept any protocol.}
      \end{constant}
    \end{constant}
  \end{varlistentry}
  \begin{varlistentry}
    \term{\constant{ai_flags}}
    \listitem
    \para{Flag bits.}
If the `AI_CANONNAME` bit is set, a successful call to `lwres_getaddrinfo()` will return a null-terminated string containing the canonical name of the specified hostname in the first `addrinfo` structure returned.

Setting the `AI_PASSIVE` bit indicates that the returned socket address structure is intended for used in a call to `bind()`, for a connection-oriented protocol or `connect()`, `sendto()`, or `connect()`, `sendto()`, or

When `ai_flags` does not set the `AI_PASSIVE` bit, the returned socket address structure will be ready for use in a call to `connect()`, `sendto()`, or `connect()`, `sendto()`, or

or
if a connectionless protocol was chosen. The IP address portion of the socket address structure will be set to the loopback address if

- `<parameter>hostname</parameter>` is a `NULL` pointer and `<type>AI_PASSIVE</type>` is not set in `<constant>ai_flags</constant>`.
- If `<constant>ai_flags</constant>` is set to `<type>AI_NUMERICHOST</type>` it indicates that `<parameter>hostname</parameter>` should be treated as a numeric string defining an IPv4 or IPv6 address and no name resolution should be attempted.

All other elements of the `<type>struct addrinfo</type>` passed via `<parameter>hints</parameter>` must be zero.

A `<parameter>hints</parameter>` of `NULL` is treated as if the caller provided a `<type>struct addrinfo</type>` initialized to zero with `<constant>ai_family</constant>` set to `<constant>PF_UNSPEC</constant>`.

After a successful call to `<function>lwres_getaddrinfo()</function>`, `<parameter>*res</parameter>` is a pointer to a linked list of one or more `<type>addrinfo</type>`
Each \texttt{struct addrinfo} in this list can be processed by following the \texttt{ai_next} pointer, until a \texttt{NULL} pointer is encountered. The three members \texttt{ai_family}, \texttt{ai_socktype}, and \texttt{ai_protocol} in each returned \texttt{addrinfo} structure contain the corresponding arguments for a call to \cite{socket}. For each \texttt{addrinfo} structure in the list, the \texttt{ai_addr} member points to a filled-in socket address structure of length \texttt{ai_addrlen}.

All of the information returned by \function{lwres_getaddrinfo} is dynamically allocated: the addrinfo structures, and the socket address structures and canonical host name strings pointed to by the \texttt{addrinfo} structures. Memory allocated for the dynamically allocated structures created by a successful call to \function{lwres_getaddrinfo} is released by \function{lwres_freeaddrinfo}. 

\parameters{ai} is a pointer to a \texttt{struct addrinfo} created by a call to \function{lwres_getaddrinfo}. 


<refsect1>
<title>RETURN VALUES</title>
<para>
<function>lwres_getaddrinfo()</function>
returns zero on success or one of the error codes listed in
<refentry>
<refentrytitle>gai_strerror</refentrytitle><manvolnum>3</manvolnum>
</refentry>
if an error occurs.
If both
<parameter>hostname</parameter>
and
<parameter>servname</parameter>
are
<type>NULL</type>
<function>lwres_getaddrinfo()</function>
returns
<errorcode>EAI_NONAME</errorcode>.
</para>
</refsect1>
</refsect1>
<title>SEE ALSO</title>
<para>
<refentry>
<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>
</refentry>,
<refentry>
<refentrytitle>lwres_getaddrinfo</refentrytitle><manvolnum>3</manvolnum>
</refentry>,
<refentry>
<refentrytitle>lwres_freeaddrinfo</refentrytitle><manvolnum>3</manvolnum>
</refentry>,
<refentry>
<refentrytitle>lwres_gai_strerror</refentrytitle><manvolnum>3</manvolnum>
</refentry>,
<refentry>
<refentrytitle>RFC2133</refentrytitle>
</refentry>,
<refentry>
<refentrytitle>getservbyname</refentrytitle><manvolnum>3</manvolnum>
</refentry>
Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.docbook

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/unistd.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/nothreads/include/isc/thread.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/nothreads/include/isc/mutex.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/include/lwres/platform.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/include/lwres/net.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/socket_p.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/include/lwres/int.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/include/lwres/version.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/include/lwres/stdio.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/win32/include/lwres/os.h

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"$Id: lwres_noop.3,v 1.1 2004/11/03 01:39:06 abstine Exp $

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lwres_getipnodebyname and lwres_getipnodebyaddr

lightweight resolver nodename / address translation API

```
#include <lwres/netdb.h>

struct hostent *
lwres_getipnodebyname(const char *name, int af, int flags, int *error_num);

struct hostent *
lwres_getipnodebyaddr(const void *src, size_t len, int af, int *error_num);
```

lwres_freehostent
These functions perform thread safe, protocol independent
donename-to-address and address-to-nodename
translation as defined in RFC2553.

They use a

```
struct  hostent {
    char    *h_name;        /* official name of host */
    char    **h_aliases;    /* alias list */
    int     h_addrtype;     /* host address type */
    int     h_length;       /* length of address */
    char    **h_addr_list;  /* list of addresses from name server */
};
#define h_addr  h_addr_list[0]  /* address, for backward compatibility */
```

The members of this structure are:

- **h_name**: The official (canonical) name of the host.
- **h_aliases**: A NULL-terminated array of alternate names (nicknames) for the host.
The type of address being returned - usually `<type>`PF_INET`<type>` or `<type>`PF_INET6`<type>`.

The length of the address in bytes.

A `type`NULL`<type>` terminated array of network addresses for the host. Host addresses are returned in network byte order.

The `<parameter>`flags`<parameter>` parameter contains ORed flag bits to specify the types of addresses that are searched for, and the types of addresses that are returned. The flag bits are:

This is used with an `<parameter>`af`<parameter>` of AF_INET6, and causes IPv4 addresses to be returned as IPv4-mapped IPv6 addresses.
This is used with an
of AF_INET6, and causes all known addresses (IPv6 and IPv4) to be returned.
If AI_V4MAPPED is also set, the IPv4 addresses are return as mapped IPv6 addresses.

Only return an IPv6 or IPv4 address if there is an active network interface of that type. This is not currently implemented in the BIND 9 lightweight resolver, and the flag is ignored.

This default sets theand
flag bits.

performs a reverse lookup of address which is
bytes long.
denotes the protocol family, typically
or


<para>
<para>
<function>lwres_freehostent()</function> releases all the memory associated with the <type>struct hostent</type> pointer <parameter>he</parameter>.

Any memory allocated for the <constant>h_name</constant>, <constant>h_addr_list</constant> and <constant>h_aliases</constant> is freed, as is the memory for the <type>hostent</type> structure itself.

If an error occurs, <function>lwres_getipnodebyname()</function> and <function>lwres_getipnodebyaddr()</function> set <parameter>*error_num</parameter> to an appropriate error code and the function returns a <type>NULL</type> pointer. The error codes and their meanings are defined in <filename>&lt;lwres/netdb.h&gt;</filename>:

<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>
  <para>No such host is known.</para>
</varlistentry>

<varlistentry><term><constant>NO_ADDRESS</constant></term>
  <para>The server recognised the request and the name but no address is available. Another type of request to the name server for the domain might return an answer.</para>
</varlistentry>

<varlistentry><term><constant>TRY_AGAIN</constant></term>
A temporary and possibly transient error occurred, such as a failure of a server to respond. The request may succeed if retried.

An unexpected failure occurred, and retrying the request is pointless.

translates these error codes to suitable error messages.
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/*
* eventlib.em
*
* Eventlib error message compiler input file
*
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*/

/*
* The file basename is the facility name, the name is made
* uppercase. This file defines facility EVENTLIB
module {
    description "EVENTLIB system messages";
}

errmsg HISTSUMM {
    severity err;
    category software;
    cdets_component iosxe-binos-utils;

    format "dispatch start: %%llums elapsed time: %%llums detected hog: %%u set count: %%u ";
    arg {
        "int" dispatch_time "event dispatch time";
        "int" elapsed_time "event elapsed time";
        "int" hog_detected "event hog detected";
        "int" set_count "event set count since dispatch"
    }
    explanation
        "Eventlib historical summary for detected hog."
}

action
    "This event summary is part of a CPUHOG or TIMEHOG error, "
    "providing diagnostic details useful to engineering."
    "Save this summary message along with the HOG error."

    tac_details
        "Eventlib historical summary for detected hog."

errmsg HISTELEM {
    severity err;
    category software;
    cdets_component iosxe-binos-utils;

    format "elem[%%u] event: %%s %%s set: %%llums unset: %%llums hog check: %%d caller: %%p app-info: %%s";

    arg {
        "int" set_count "element set count";
        "char *" position_string "event call type";
        "char *" position_string "event condition";
        "int" set_time "element set time";
        "int" unset_time "element unset time";
        "int" hog_check "element hog check result";
        "int" caller "caller builtin return address";
        "char *" any_string "element callback render buffer"
    }
    explanation
        "Eventlib historical element for detected hog.";
action
"This event element is part of a CPUHOG or TIMEHOG error, "
"providing diagnostic details useful to engineering."
"Save all element messages along with the HOG error."

    tac_details
        "Eventlib historical element for detected hog."
    }

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-->
<refentry>
<refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo>
<manvolnum>3</manvolnum>
</refentry>

<!-- $Id: lwres_gabn.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
<refnamediv>
<refname>lwres_gabnrequest_render</refname>
<refname>lwres_gabnresponse_render</refname>
<refname>lwres_gabnrequest_parse</refname>
<refname>lwres_gabnresponse_parse</refname>
<refname>lwres_gabnresponse_free</refname>
<refname>lwres_gabnrequest_free</refname>
<refpurpose>lightweight resolver getaddrbyname message handling</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include &lt;lwres/lwres.h&gt;</funcsynopsisinfo>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_gabnrequest_render</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_gabnrequest_t *req</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
<paramdef>lwres_buffer_t *b</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_gabnresponse_render</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_gabnresponse_t *req</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
<paramdef>lwres_buffer_t *b</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_gabnrequest_parse</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
<paramdef>lwres_gabnrequest_t **structp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_gabnresponse_parse</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>lwres_lwpacket_t *pkt</paramdef>
</funcprototype>
These are low-level routines for creating and parsing lightweight resolver name-to-address lookup request and response messages.

There are four main functions for the getaddrbyname opcode. One render function converts a getaddrbyname request structure to the lightweight resolver's canonical format. It is complemented by a parse function that converts a packet in this canonical format to a getaddrbyname request structure. Another render function converts the getaddrbyname response structure to the canonical format. This is complemented by a parse function which converts a packet in canonical format to a getaddrbyname response structure.

These structures are defined in `lwres/lwres.h`. They are shown below.

```c
#define LWRES_OPCODE_GETADDRESBYNAME 0x00010001U

typedef struct lwres_addr lwres_addr_t;
typedef LWRES_LIST(lwres_addr_t) lwres_addrlist_t;

typedef struct {
```
typedef struct {
    lwres_uint32_t          flags;
    lwres_uint16_t          naliases;
    lwres_uint16_t          naddrs;
    char                   *realname;
    char                  **aliases;
    lwres_uint16_t         realnamelen;
    lwres_uint16_t       *aliaslen;
    lwres_addrlist_t      addrs;
    void                   *base;
    size_t                  baselen;
} lwres_gabnresponse_t;
</programlisting>
</para>

<para>
<function>lwres_gabnrequest_render()</function>
uses resolver context
<parameter>ctx</parameter>
to convert getaddrbyname request structure
<parameter>req</parameter>
to canonical format.
The packet header structure
<parameter>pkt</parameter>
is initialised and transferred to
buffer
<parameter>b</parameter>.

The contents of
<parameter>*req</parameter>
are then appended to the buffer in canonical format.
<function>lwres_gabnresponse_render()</function>
performs the same task, except it converts a getaddrbyname response structure
<type>lwres_gabnresponse_t</type>
to the lightweight resolver's canonical format.
</para>

<para>
<function>lwres_gabnrequest_parse()</function>
uses context
<parameter>ctx</parameter>
to convert the contents of packet
<parameter>pkt</parameter>
to a
<type>lwres_gabnrequest_t</type> structure. Buffer <parameter>b</parameter> provides space to be used for storing this structure. When the function succeeds, the resulting <type>lwres_gabnrequest_t</type> is made available through <parameter>*structp</parameter>.

<function>lwres_gabnresponse_parse()</function> offers the same semantics as <function>lwres_gabnrequest_parse()</function> except it yields a <type>lwres_gabnresponse_t</type> structure. </para> <para> <function>lwres_gabnresponse_free()</function> and <function>lwres_gabnrequest_free()</function> release the memory in resolver context <parameter>ctx</parameter> that was allocated to the <type>lwres_gabnresponse_t</type> or <type>lwres_gabnrequest_t</type> structures referenced via <parameter>structp</parameter>.

Any memory associated with ancillary buffers and strings for those structures is also discarded. </para> <refsect1> <title>RETURN VALUES</title> <para> The getaddrbyname opcode functions <function>lwres_gabnrequest_render()</function>, <function>lwres_gabnrequest_render()</function> <function>lwres_gabnrequest_parse()</function> and <function>lwres_gabnresponse_parse()</function> all return <errorcode>LWRES_R_SUCCESS</errorcode> on success. They return <errorcode>LWRES_R_NOMEMORY</errorcode>
if memory allocation fails.
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
is returned if the available space in the buffer
<parameter>b</parameter>
is too small to accommodate the packet header or the
<type>lwres_gabnrequest_t</type>
and
<type>lwres_gabnresponse_t</type>
structures.
<function>lwres_gabnrequest_parse()</function>
and
<function>lwres_gabnresponse_parse()</function>
will return
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
if the buffer is not empty after decoding the received packet.
These functions will return
<errorcode>LWRES_R_FAILURE</errorcode>
if
<structfield>pktflags</structfield>
in the packet header structure
<type>lwres_lwpacket_t</type>
indicate that the packet is not a response to an earlier query.
</para>
</refsect1>
<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres_packet</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>
</para>
</refsect1>
</refentry>

Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/man/lwres_gabn.docbook

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 */

/* $Id: platform.h.in,v 1.1 2004/11/03 01:39:06 abstine Exp $ */

#ifndef LWRES_PLATFORM_H
#define LWRES_PLATFORM_H 1

/*****
 ***** Platform-dependent defines.
 *****/

/***
 *** Network.
 ***/

/*
 * Define if this system needs the <netinet/in6.h> header file for IPv6.
 */
@LWRES_PLATFORM_NEEDNETINET6H@

/*
 * Define if this system needs the <netinet6/in6.h> header file for IPv6.
/*
 * If sockaddr on this system have an sa_len field, LWRES_PLATFORM_HAVESALEN
 * will be defined.
 */
@LWRES_PLATFORM_HAVESALEN@

/*
 * If this system has the IPv6 structure definitions, LWRES_PLATFORM_HAVEIPV6
 * will be defined.
 */
@LWRES_PLATFORM_HAVEIPV6@

/*
 * If this system is missing in6addr_any, LWRES_PLATFORM_NEEDIN6ADDRANY will
 * be defined. 
 */
@LWRES_PLATFORM_NEEDIN6ADDRANY@

/*
 * If this system is missing in6addr_loopback, 
 * LWRES_PLATFORM_NEEDIN6ADDRLOOPBACK will be defined. 
 */
@LWRES_PLATFORM_NEEDIN6ADDRLOOPBACK@

/*
 * If this system has in_addr6, rather than in6_addr, 
 * LWRES_PLATFORM_HAVEINADDR6 will be defined. 
 */
@LWRES_PLATFORM_HAVEINADDR6@

/*
 * Defined if unistd.h does not cause fd_set to be declared. 
 */
@LWRES_PLATFORM_NEEDSYSSELECTH@

/*
 * Used to control how extern data is linked; needed for Win32 platforms. 
 */
@LWRES_PLATFORM_USEDECLSPEC@

/*
 * Defined this system needs vsnprintf() and snprintf().
 */
@LWRES_PLATFORM_NEEDVSNPRINTF@
/*
 * If this system need a modern sprintf() that returns (int) not (char*).
 */

#ifndef LWRES_PLATFORM_USEDECLSPEC
#define LIBLWRES_EXTERNAL_DATA
#else
#ifdef LIBLWRES_EXPORTS
#define LIBLWRES_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBLWRES_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif
#endif /* LWRES_PLATFORM_H */

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" $Id: lwres_gnba.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
"
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/dst/md5.h

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<!-- $Id: lwres_gethostent.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry>

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-->

<refmeta>

<refentrytitle>lwres_gethostent</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
<refnamediv>
<refname>lwres_gethostbyname</refname>
<refname>lwres_gethostbyname2</refname>
<refname>lwres_gethostbyaddr</refname>
<refname>lwres_gethostent</refname>
<refname>lwres_sethostent</refname>
<refname>lwres_endhostent</refname>
<refname>lwres_gethostbyname_r</refname>
<refname>lwres_gethostbyaddr_r</refname>
<refname>lwres_gethostent_r</refname>
<refname>lwres_sethostent_r</refname>
<refname>lwres_endhostent_r</refname>
<refpurpose>lightweight resolver get network host entry</refpurpose>
</refnamediv>

<refsynopsisdiv>
<funcsynopsis>
#include &lt;lwres/netdb.h&gt;</funcsynopsis>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyname</function></funcdef>
.paramdef>const char *name</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyname2</function></funcdef>
<paramdef>const char *name</paramdef>
<paramdef>int af</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyaddr</function></funcdef>
<paramdef>const char *addr</paramdef>
<paramdef>int len</paramdef>
<paramdef>int type</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostent</function></funcdef>
<paramdef>void</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
These functions provide hostname-to-address and address-to-hostname lookups by means of the lightweight resolver. They are similar to the standard functions provided by most operating systems. They use a
which is usually defined in

The members of this structure are:

The official (canonical) name of the host.

A NULL-terminated array of alternate names (nicknames) for the host.
The type of address being returned &mdash; 
<type>PF_INET</type> or 
<type>PF_INET6</type>.

The length of the address in bytes.

A <type>NULL</type> terminated array of network addresses for the host. Host addresses are returned in network byte order.

For backward compatibility with very old software, 
<constant>h_addr</constant> is the first address in 
<constant>h_addr_list</constant>.

and 
<function>lwres_endhostent_r()</function> provide iteration over the known host entries on systems that provide such functionality through facilities like 
<filename>/etc/hosts</filename> or NIS. The lightweight resolver does not currently implement these functions; it only provides them as stub functions that always return failure.
<para>
<function>lwres_gethostbyname()</function> and <function>lwres_gethostbyname2()</function> look up the hostname <parameter>name</parameter>. <function>lwres_gethostbyname()</function> always looks for an IPv4 address while <function>lwres_gethostbyname2()</function> looks for an address of protocol family <parameter>af</parameter>: either <type>PF_INET</type> or <type>PF_INET6</type> &mdash; IPv4 or IPv6 addresses respectively. Successful calls of the functions return a <type>struct hostent</type> for the name that was looked up. NULL is returned if the lookups by <function>lwres_gethostbyname()</function> or <function>lwres_gethostbyname2()</function> fail.
</para>

Reverse lookups of addresses are performed by <function>lwres_gethostbyaddr()</function>. <parameter>addr</parameter> is an address of length <parameter>len</parameter> bytes and protocol family <parameter>type</parameter> &mdash; <type>PF_INET</type> or <type>PF_INET6</type>. <function>lwres_gethostbyname_r()</function> is a thread-safe function for forward lookups. If an error occurs, an error code is returned in <parameter>*error</parameter>. <parameter>resbuf</parameter> is a pointer to a <type>struct hostent</type> which is initialised by a successful call to <function>lwres_gethostbyname_r()</function>. <parameter>buf</parameter> is a buffer of length <parameter>len</parameter> bytes which is used to store the <constant>h_name</constant>, <constant>h_aliases</constant>, and <constant>h_addr_list</constant> elements of the <type>struct hostent</type> returned in <parameter>resbuf</parameter>. Successful calls to <function>lwres_gethostbyname_r()</function> return <parameter>resbuf</parameter>, which is a pointer to the <type>struct hostent</type> it created.
</para>

<para>
<function>lwres_gethostbyaddr_r()</function> is a thread-safe function that performs a reverse lookup of address <parameter>addr</parameter> which is <parameter>len</parameter> bytes long and is of protocol family <parameter>type</parameter> &mdash; <type>PF_INET</type> or <type>PF_INET6</type>. If an error occurs, the error code is returned in <parameter>*error</parameter>. The other function parameters are identical to those in <function>lwres_gethostbyname_r()</function>. <parameter>resbuf</parameter> is a pointer to a <type>struct hostent</type> which is initialised by a successful call to
<function>lwres_gethostbyaddr_r()</function>.
<parameter>buf</parameter> is a buffer of length <parameter>len</parameter> bytes which is used to store the <constant>h_name</constant>, <constant>h_aliases</constant>, and <constant>h_addr_list</constant> elements of the <type>struct hostent</type> returned in <parameter>resbuf</parameter>. Successful calls to <function>lwres_gethostbyaddr_r()</function> return <parameter>resbuf</parameter>, which is a pointer to the <function>struct hostent()</function> it created.
</para>

</refsect1>

<refsect1>
<title>RETURN VALUES</title>
<para>
The functions <function>lwres_gethostbyname()</function>, <function>lwres_gethostbyname2()</function>, <function>lwres_gethostbyaddr()</function>, and <function>lwres_gethostent()</function> return NULL to indicate an error. In this case the global variable <type>lwres_h_errno</type> will contain one of the following error codes defined in <filename>&lt;lwres/netdb.h&gt;</filename>:

<variablelist>
<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>
</varlistentry>
<varlistentry><term><constant>TRY_AGAIN</constant></term>
</varlistentry>
<varlistentry><term><constant>NO_RECOVERY</constant></term>
</varlistentry>
<varlistentry><term><constant>NO_DATA</constant></term>
</varlistentry>

</variablelist>
<para>The host or address was not found.
</para>
<listitem></listitem></varlistentry>
<varlistentry><term><constant>TRY_AGAIN</constant></term>
</varlistentry>
<listitem></listitem></varlistentry>
<para>A recoverable error occurred, e.g., a timeout. Retrying the lookup may succeed.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>NO_RECOVERY</constant></term>
</varlistentry>
<listitem></listitem></varlistentry>
<para>A non-recoverable error occurred.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>NO_DATA</constant></term>
</varlistentry>
The name exists, but has no address information associated with it (or vice versa in the case of a reverse lookup). The code NO_ADDRESS is accepted as a synonym for NO_DATA for backwards compatibility.

The <function>lwres_gethostent()</function> and <function>lwres_gethostent_r()</function> always return <type>NULL</type>. Successful calls to <function>lwres_gethostbyname_r()</function> and <function>lwres_gethostbyaddr_r()</function> return the <type>struct hostent</type> that was initialised by these functions. They return <type>NULL</type> if the lookups fail or if <parameter>buf</parameter> was too small to hold the list of addresses and names referenced by the <constant>h_name</constant>, <constant>h_aliases</constant>, and <constant>h_addr_list</constant> elements of the <type>struct hostent</type>. If <parameter>buf</parameter> was too small, both <function>lwres_gethostbyname_r()</function> and <function>lwres_gethostbyaddr_r()</function> set the global variable <type>errno</type> to <errorcode>ERANGE</errorcode>.
<refentrytitle>gethostent</refentrytitle><manvolnum>3</manvolnum>.
</citerefentry>

<citerefentry>
<refentrytitle>lwres_getipnode</refentrytitle><manvolnum>3</manvolnum>.
</citerefentry>

<citerefentry>
<refentrytitle>lwres_hstrerror</refentrytitle><manvolnum>3</manvolnum>.
</citerefentry>

<refsect1>
<title>BUGS</title>
<para>
<function>lwres_gethostbyname()</function>, <function>lwres_gethostbyname2()</function>, <function>lwres_gethostbyaddr()</function> and <function>lwres_endhostent()</function> are not thread safe; they return pointers to static data and provide error codes through a global variable. Thread-safe versions for name and address lookup are provided by <function>lwres_gethostbyname_r()</function> and <function>lwres_gethostbyaddr_r()</function> respectively.
</para>

The resolver daemon does not currently support any non-DNS name services such as <filename>/etc/hosts</filename> or <type>NIS</type>, consequently the above functions don't, either.
</para>
</refsect1>
</refentry>

Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/man/lwres_gethostent.docbook

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Found in path(s):
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bsd/utimes.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/memcluster.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bsd/port/cygwin/include/ansi_realloc.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/heap.c
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bsd/include/isc/list.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bsd/include/isc/heap.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bsd/include/isc/memcluster.h
- /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/assertions.c

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<!-- $Id: lwres_getrrsetbyname.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

-->

<!--DOCTYPE refentry PUBLIC "-//OASIS//DTD DocBook V4.1//EN"-->
<refentry>
<refentryinfo>
<refentryinfo>
</refentryinfo>
<refmeta>
<refentrytitle>lwres_getrrsetbyname</refentrytitle>
<manvolnum>3</manvolnum>
</refmeta>
<refnamediv>
<refname>lwres_getrrsetbyname</refname>
<refname>lwres_freerrset</refname>
<refpurpose>retrieve DNS records</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
#include &lt;lwres/netdb.h&gt;</funcsynopsis>
<funcprototype>
<int>
#include &lt;lwres/netdb.h&gt;
</funcprototype>
<funcprototype>
<funcdef>
int
#include &lt;lwres/netdb.h&gt;</funcdef>
<paramdef>const char *hostname</paramdef>
<paramdef>unsigned int rdclass</paramdef>
<paramdef>unsigned int rdtype</paramdef>
<paramdef>unsigned int flags</paramdef>
<paramdef>struct rrsetinfo **res</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
#include &lt;lwres/netdb.h&gt;</funcdef>
<paramdef>struct rrsetinfo *rrset</paramdef>
</funcprototype>
</funcsynopsis>
<para>
The following structures are used:
<programlisting>
struct  rdatainfo {
    unsigned int  rdi_length; /* length of data */
    unsigned char *rdi_data;  /* record data */
};

struct  rrsetinfo {
    unsigned int  rri_flags; /* RRSET_VALIDATED... */
    unsigned int  rri_rdclass; /* class number */
    unsigned int  rri_rdtype; /* RR type number */
    unsigned int  rri_ttl;    /* time to live */
    unsigned int  rri_nrdatas; /* size of rdatas array */
};
</programlisting>
</para>
unsigned int rri_nsigs;  /* size of sigs array */
char *rri_name;      /* canonical name */
struct rdatainfo *rri_rdatas;    /* individual records */
struct rdatainfo *rri_sigs;      /* individual signatures */
};
</programlisting>
</para>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_getrrsetbyname()</function>
gets a set of resource records associated with a
<parameter>hostname</parameter>,
<parameter>class</parameter>,
and
<parameter>type</parameter>.

<parameter>hostname</parameter>
is
a pointer a to null-terminated string. The
<parameter>flags</parameter> field is currently unused and must be zero.
</para>
<para>
After a successful call to
<function>lwres_getrrsetbyname()</function>,

<parameter>*res</parameter>
is a pointer to an
<type>rrsetinfo</type>
structure, containing a list of one or more
<type>rdatainfo</type>
structures containing resource records and potentially another list of
<type>rdatainfo</type>
structures containing SIG resource records
associated with those records.
The members
<constant>rri_rdclass</constant>
and
<constant>rri_rdtype</constant>
are copied from the parameters.
<constant>rri_ttl</constant>
and
<constant>rri_name</constant>
are properties of the obtained rset.
The resource records contained in
<constant>rr_set</constant>
and
<constant>rr_sigs</constant>
are in uncompressed DNS wire format.
Properties of the rdataset are represented in the
<constant>rr_flags</constant>
bitfield. If the RRSET VALIDATED bit is set, the data has been DNSSEC
validated and the signatures verified.
</para>
</para>
All of the information returned by
<function>lwres_getrrsetbyname()</function>
is dynamically allocated: the
<constant>rrsetinfo</constant>
and
<constant>rrdatainfo</constant>
structures,
and the canonical host name strings pointed to by the
<constant>rrsetinfo</constant>
structure.

Memory allocated for the dynamically allocated structures created by
a successful call to
<function>lwres_getrrsetbyname()</function>
is released by
<function>lwres_freerrset()</function>.

<parameter>rrset</parameter>
is a pointer to a
<type>struct rrset</type>
created by a call to
<function>lwres_getrrsetbyname()</function>.

</para>
</para>
</para>
</refsect1>
<refsect1>
<title>RETURN VALUES</title>
<para>
<function>lwres_getrrsetbyname()</function>
returns zero on success, and one of the following error
codes if an error occurred:
<variablelist>

<varlistentry><term><constant>ERRSET_NONAME</constant></term>
</varlistentry>
the name does not exist
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_NODATA</constant></term>
<listitem><para>
the name exists, but does not have data of the desired type
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_NOMEMORY</constant></term>
<listitem><para>
memory could not be allocated
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_INVAL</constant></term>
<listitem><para>
a parameter is invalid
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_FAIL</constant></term>
<listitem><para>
other failure
</para></listitem></varlistentry>

</variablelist>

</para></refsect1>
</refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.
</para>

</refsect1>
</refentry>

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/assertions.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/heap.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/mem.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/heap.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/include/lwres/list.h

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"
" $Id: lwres_gethostent.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
"
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"
" The following six UNCOMMENTED lines are required.
"Os OPERATING_SYSTEM [version/release]
"Dt DOCUMENT_TITLE [section number] [volume]
" This next request is for sections 1, 6, 7 & 8 only
".Sh ENVIRONMENT
".Sh FILES
".Sh EXAMPLES
```
lambda" This next request is for sections 1, 6, 7 & 8 only
lambda" (command return values (to shell) and
lambda" fprintf/stderr type diagnostics)
lambda" .sh DIAGNOSTICS
lambda" The next request is for sections 2 and 3 error
lambda" and signal handling only.
lambda" .sh STANDARDS
lambda" .sh HISTORY
lambda" .sh BUGS

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 */
/*
 * Get the response to 'request' by filling in 'message'.
 *
 * 'options' is passed to dns_message_parse(). See dns_message_parse()
 * for more details.
 *
 * Requires:
 *
 * 'request' is a valid request for which the caller has received the
 * completion event.
 *
 * The result code of the completion event was ISC_R_SUCCESS.
 *
 * Returns:
 *
 * ISC_R_SUCCESS
 *
 * Any result that dns_message_parse() can return.
Found in path(s):
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/request.h
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*/

/*
 * This is the header file for the MD5 message-digest algorithm.
 * The algorithm is due to Ron Rivest. This code was
 * written by Colin Plumb in 1993, no copyright is claimed.
 * This code is in the public domain; do with it what you wish.
 *
 * Equivalent code is available from RSA Data Security, Inc.
 * This code has been tested against that, and is equivalent,
 * except that you don't need to include two pages of legalese
 * with every copy.
 *
 * To compute the message digest of a chunk of bytes, declare an
 * MD5Context structure, pass it to MD5Init, call MD5Update as
 * needed on buffers full of bytes, and then call MD5Final, which
 * will fill a supplied 16-byte array with the digest.
 *
 * Changed so as no longer to depend on Colin Plumb's `usual.h'
 * header definitions; now uses stuff from dpkg's config.h
 * - Ian Jackson <ijackson@nyx.cs.du.edu>.
 * Still in the public domain.
 */

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/task.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/result.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/rdata/generic/mx_15.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/time.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/result.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/time.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/base64.c

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/ntpaths.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/win32/ntgroups.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/unix/include/isc/strerror.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind9/include/bind9/check.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind9/win32/DLLMain.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind9/include/bind9/getaddresses.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/iscccc/win32/DLLMain.c
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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/validator.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/byaddr.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/dns/include/dns/diff.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/entropy.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/hex.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/isc/include/isc/msgs.h
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/getrrset.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/iscconfig/parser.c
* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/lwconfig.c

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<!-- $Id: lwres_resutil.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry>

<refentryinfo>
  <date>Jun 30, 2000</date>
</refentryinfo>

<refmeta>
  <refentrytitle>lwres_resutil</refentrytitle>
  <manvolnum>3</manvolnum>
  <refmiscinfo>BIND9</refmiscinfo>
</refmeta>

<refnamediv>
  <refname>lwres_string_parse</refname>
  <refname>lwres_addr_parse</refname>
  <refname>lwres_getaddrsbyname</refname>
  <refname>lwres_getnamebyaddr</refname>
  <refpurpose>lightweight resolver utility functions</refpurpose>
</refnamediv>

<refsynopsisdiv>
  <funcsynopsis>
    #include &lt;lwres/lwres.h&gt;</funcsynopsisinfo>
  <funcprototype>
    <funcdef>
      lwres_result_t
      <function>lwres_string_parse</function>
      <paramdef>lwres_buffer_t *b</paramdef>
      <paramdef>char **c</paramdef>
      <paramdef>lwres_uint16_t *len</paramdef>
    </funcdef>
    <funcdef>
      lwres_result_t
      <function>lwres_addr_parse</function>
    </funcdef>
  </funcprototype>
</refsynopsisinfo>
lwres_result_t
<function>lwres_getaddrsbyname</function>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>const char *name</paramdef>
<paramdef>lwres_uint32_t addrtypes</paramdef>
<paramdef>lwres_gabnresponse_t **structp</paramdef>
</funcprototype>

lwres_result_t
<function>lwres_getnamebyaddr</function>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_uint32_t addrtype</paramdef>
<paramdef>lwres_uint16_t addrlen</paramdef>
<paramdef>const unsigned char *addr</paramdef>
<paramdef>lwres_gnbaresponse_t **structp</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>

<para>
<function>lwres_string_parse()</function> retrieves a DNS-encoded string starting the current pointer of lightweight resolver buffer <parameter>b</parameter>: i.e. <constant>b-&gt;current</constant>. When the function returns, the address of the first byte of the encoded string is returned via <parameter>*c</parameter> and the length of that string is given by <parameter>*len</parameter>. The buffer's current pointer is advanced to point at the character following the string length, the encoded string, and the trailing <type>NULL</type> character.
</para>

<para>
<function>lwres_addr_parse()</function> extracts an address from the buffer <parameter>b</parameter>. The buffer's current pointer <constant>b-&gt;current</constant> is presumed to point at an encoded address: the address preceded by a 32-bit protocol family identifier and a 16-bit length field. The encoded address is copied to <constant>addr-&gt;address</constant> and <constant>addr-&gt;length</constant> indicates the size in bytes of
the address that was copied. <constant>b-&gt;current</constant> is advanced to point at the next byte of available data in the buffer following the encoded address.
</para>

<para>
<function>lwres_getaddrsbyname()</function> and <function>lwres_getnamebyaddr()</function> use the <type>lwres_gnbaresponse_t</type> structure defined below:
<programlisting>
typedef struct {
    lwres_uint32_t          flags;
    lwres_uint16_t          naliases;
    lwres_uint16_t          naddrs;
    char                   *realname;
    char                  **aliases;
    lwres_uint16_t          realnamelen;
    lwres_uint16_t         *aliaslen;
    lwres_addrlist_t        addrs;
    void                   *base;
    size_t                  baselen;
} lwres_gnbaresponse_t;
</programlisting>
The contents of this structure are not manipulated directly but they are controlled through the <citerefentry>
<refentrytitle>lwres_gnba</refentrytitle><manvolnum>3</manvolnum>
</citerefentry> functions.
</para>

<para>
The lightweight resolver uses <function>lwres_getaddrsbyname()</function> to perform forward lookups. Hostname <parameter>name</parameter> is looked up using the resolver context <parameter>ctx</parameter> for memory allocation. <parameter>addrtypes</parameter> is a bitmask indicating which type of addresses are to be looked up. Current values for this bitmask are <type>LWRES_ADDRTYPE_V4</type> for IPv4 addresses and <type>LWRES_ADDRTYPE_V6</type> for IPv6 addresses. Results of the lookup are returned in <parameter>*structp</parameter>.
</para>

<para>
lwres_getnamebyaddr() performs reverse lookups. Resolver context ctx is used for memory allocation. The address type is indicated by addrtype: type LWRES_ADDRTYPE_V4 or type LWRES_ADDRTYPE_V6. The address to be looked up is given by addr and its length is addrlen bytes. The result of the function call is made available through *structp.

RETURN VALUES

Successful calls to lwres_string_parse() and lwres_addr_parse() return LWRES_R_SUCCESS. Both functions return LWRES_R_FAILURE if the buffer is corrupt or LWRES_R_UNEXPECTEDEND if the buffer has less space than expected for the components of the encoded string or address.

lwres_getaddrsbyname() returns LWRES_R_SUCCESS on success and it returns LWRES_R_NOTFOUND if the hostname name could not be found.

Both lwres_getaddrsbyname() and lwres_getnamebyaddr()
return
<errorcode>LWRES_R_NOMEMORY</errorcode> when memory allocation requests fail and
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode> if the buffers used for sending queries and receiving replies are too small.
</para>

</refsect1>

<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres_buffer</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
<citerefentry>
<refentrytitle>lwres_gabn</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.
</para>

</refsect1>

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/lwres/man/lwres_resutil.docbook
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* *
* BINOS specific changes to associate memcluster with an evctx
* *
* March 2014, Aswin Kuppusami
*/

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* /opt/cola/permits/1210918483_1633472971.85/0/lib-tar/lib/bind/isc/memcluster_p.h
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$Id: lwres_inetntop.3,v 1.1 2004/11/03 01:39:06 abstine Exp $

1.415 popt 1.16-14.el8

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tools/shhopt.c, tools/shhopt.h:

Title: shhopt - library for parsing command line options.
Version: 1.1.2
Entered-date: 23MAR97
Description: C-functions for parsing command line options, both
  traditional one-character options, and GNU'ish
    --long-options.
Keywords: programming, library, lib, commandline, options
Author: s.h.huseby@usit.uio.no (Sverre H. Huseby)
Primary-site: http://www.ifi.uio.no/~sverrehu/pub-unix/
Alternate-site: sunsite.unc.edu/~pub/Linux/libs
shhopt-1.1.2.tar.gz
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1.433 libxml 2.9.9 r0

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1.434 inflate-c c10p1

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/* Std: inflate.c,v 3.2.60.1 1996/03/18 19:11:09 gstovall Exp $ */
/* $Source: /release/111/cvs/Xsys/czip/inflate.c,v $ */
/* ------------------------------------------------------------------ */
/* inflate.c - unzip inflate */
/* */
/* December 1994, Michael Beesley */
/* */
/* All rights reserved. */
/* */
/* $Log: inflate.c,v $ */
/* Revision 3.2.60.1 1996/03/18 19:11:09 gstovall */
/* Branch: California_branch */
/* Elvis has left the building. He headed out to California, and took the */
/* port ready changes with him. */
/* */
/* Revision 3.2.26.2 1996/03/07 08:42:15 mdb */
/* Branch: DeadKingOnAThrone_branch */
/* cisco and ANSI/POSIX libraries. */
/* */
/* Revision 3.2.26.1 1996/02/20 13:44:31 dstine */
/* Branch: DeadKingOnAThrone_branch */
/* Sync from DeadKingOnAThrone_baseline_960122 to */
/* DeadKingOnAThrone_baseline_960213 */
/* */
/* Revision 3.2 1995/11/17 08:58:13 hampton */
/* Remove old entries from the RCS header logs. */
/* */
/* Revision 3.1 1995/11/09 11:15:19 shaker */
/* Bump version numbers from 2.x to 3.x. */
/* */
/* Revision 2.2 1995/06/23 22:23:30 mbbeesley */
/* CSCdi36360: 95q1 compiler fails to build czip ELF */
/* Work-around the compiler bug by declaring variables static. */
/* This allows zipped images for c4500, rsp to ship in 11.0. */
/* */
/* Revision 2.1 1995/06/07 20:22:19 hampton */
/* Bump version numbers from 1.x to 2.x. */
/* */
/* ------------------------------------------------------------------ */
* $Endlog*
/*
/* inflate.c -- Not copyrighted 1992 by Mark Adler
version c10p1, 10 January 1993 */

/* You can do whatever you like with this source file, though I would
prefer that if you modify it and redistribute it that you include
comments to that effect with your name and the date. Thank you.
[The history has been moved to the file ChangeLog.] */

1.435 coreutils-common 8.30-8.el8
1.435.1 Available under license:

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Version 3, 29 June 2007

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 Constant-time SSSE3 AES core implementation.
 version 0.1

 By Mike Hamburg (Stanford University), 2009

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

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@enumerate a
@item
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@enumerate a
@item
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.
@item
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.

@item
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.

@item
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.

@item
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@end enumerate

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@end enumerate

@end enumerate

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c man end

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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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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.>
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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

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To protect your rights, we need to make restrictions that forbid distributors to deny you these rights or to ask you to surrender these 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 other code 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.

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

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

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

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

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

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

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

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

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

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   d) If a facility in the modified Library refers to a function or a
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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.

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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.

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

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iconv (Charset Conversion Library) v2.0

(28) Artem Bityuckiy (--enable-newlib-iconv)

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++++++++++++++++

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

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

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

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.
The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

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

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

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

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

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

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

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

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

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

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1.439 gdb 8.3.1 r0

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@end section

@end section

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@end example

@end example

@end example

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

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1.451 sfdisk 2.25.2 r0

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Initialize empty image
f1c9645dbc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2cf9 bsd.img

---layout---------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device     Boot Start   End Sectors Size Id Type
<removed>1   2048  4095  2048   1M 83 Linux

Create 2nd primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbe bsd.img

---layout--------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device     Boot Start   End Sectors Size Id Type
<removed>1   2048  4095  2048   1M 83 Linux
<removed>2  4096 20479 16384   8M a5 FreeBSD

Create default BSD
2e1cee529cb59e9341afe0443f196a1 bsd.img
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
c  4096 20479   16384    8M unused       0     0   0
d  0 16064   16065  7.9M unused       0     0   0

Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help): 

--------

b5c121c2091b2ff26b880551feac7112 bsd.img

--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a  4096 6144   2049  1M 4.2BSD       0     0   0
c  4096 20479   16384    8M unused       0     0   0
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):

0 unused 5 4.1BSD 9 4.4LFS d boot
1 swap 6 Eighth Edition a unknown e ADOS
2 Version 6 7 4.2BSD b HPFS f HFS
3 Version 7 8 MS-DOS c ISO-9660 10 AdvFS
4 System V

Command (m for help):
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1.452 gdbm-libs 1:1.18-1.el8

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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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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.

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

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END OF TERMS AND CONDITIONS

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

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1.459 lvm2 2.03.02 r0

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1.467 libcom-err 1.45.6-1.el8

1.467.1 Available under license:

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

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): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJ))
$(MV) pic/$<$(OBJS) .
$(RM) -f ..$/$(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)
$(DESTDIR)$<$(BSD_LIB)
-$(LD_CONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$<$(BSD_LIB)

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

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

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

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

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell              2005
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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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This package was added to the e2fsprogs debian source package by Theodore Ts'o <ttypso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

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

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This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Gadi Oxman, August 1995

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1.469 openssh 4.0p1
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* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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1.470 bash4 4.2-r6

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John

On May 9, 1:36pm, Chet Ramey wrote:

Subject: ksh scripts
From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins) id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)}
Subject: Re: ksh scripts
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
Message-ID: <9505092233.aa13001@deepthought.armory.com>

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John
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

``The lyf so short, the craft so long to lerne.'' - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

>Hi. I snagged some of your bash functions from your home directory on
the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
to work with bash-2.0. Does ORA have any problem with me distributing
it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).

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1.471 libseccomp 2.4.3-1.el8
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1.477 python-dbus 1.2.12 r0

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

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

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

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

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

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

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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@enumerate 0
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This License Agreement applies to any software library or other program which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Lesser 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.

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@enumerate
@item
The modified work must itself be a software library.

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

@item
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.)
@end enumerate

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

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

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

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

@item
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.

@item
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.

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

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

@enumerate a
@item
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.)

@item
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.

@item
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.

@item
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.

@item
Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.
@end enumerate

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
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@enumerate
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@item 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.
@end enumerate

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@example
one line to give the library's name and an idea of what it does.
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@end example

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signature of Ty Coon, 1 April 1990
Ty Coon, President of Vice
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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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

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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.)

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

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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
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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.

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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

1.482 libnsl2 1.2.0-2.20180605git4a062cf.el8

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

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

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

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

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

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

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/lwinetpton.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/win32/stdio.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/lookup.h
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/serial.h
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<!- $Id: lwres_config.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry>
<refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo>

<refmeta>
<refentrytitle>lwres_config</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>

<refnamediv>
<refname>lwres_conf_init</refname>
<refname>lwres_conf_clear</refname>
<refname>lwres_conf_parse</refname>
<refname>lwres_conf_print</refname>
<refname>lwres_conf_get</refname>
<refpurpose>lightweight resolver configuration</refpurpose>
</refnamediv>

<refsynopsisdiv>
<funcsynopsis>
#include &lt;lwres/lwres.h&gt;
</funcsynopsis>
<funcprototype>
void
lwres_conf_init(lwres_context_t *ctx);
</funcprototype>
<funcdef>
void
lwres_conf_clear(lwres_context_t *ctx);
</funcprototype>
<funcdef>
lwres_result_t
lwres_conf_parse(lwres_context_t *ctx);
</funcprototype>

<paramdef>const char *filename</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_conf_print</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>FILE *fp</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_conf_t *
<function>lwres_conf_get</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

/refsect1>
<title>DESCRIPTION</title>
<para>
<function>lwres_conf_init()</function>
creates an empty
<type>lwres_conf_t</type>
structure for lightweight resolver context
<parameter>ctx</parameter>.
</para>
<para>
<function>lwres_conf_clear()</function>
frees up all the internal memory used by
that
<type>lwres_conf_t</type>
structure in resolver context
<parameter>ctx</parameter>.
</para>
<para>
<function>lwres_conf_parse()</function>
opens the file
<parameter>filename</parameter>
and parses it to initialise the resolver context
<parameter>ctx</parameter>’s
<type>lwres_conf_t</type>
structure.
</para>
<para>
<function>lwres_conf_print()</function>
prints the
<type>lwres_conf_t</type>
structure for resolver context
<parameter>ctx</parameter>
to the
<type>FILE</type>
<parameter>fp</parameter>.
</para>
</refsect1>
</refsect1>

<title>RETURN VALUES</title>
<para>
<function>lwres_conf_parse()</function>
returns
<errorcode>LWRES_R_SUCCESS</errorcode>
if it successfully read and parsed
<parameter>filename</parameter>. It returns
<errorcode>LWRES_R_FAILURE</errorcode>
if
<parameter>filename</parameter>
could not be opened or contained incorrect resolver statements.
</para>

<para>
<function>lwres_conf_print()</function>
returns
<errorcode>LWRES_R_SUCCESS</errorcode>
unless an error occurred when converting the network addresses to a numeric host address string.
If this happens, the function returns
<errorcode>LWRES_R_FAILURE</errorcode>.
</para>
</refsect1>
</refsect1>

<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>stdio</refentrytitle><manvolnum>3</manvolnum>,
<citerefentry>
<refentrytitle>resolver</refentrytitle><manvolnum>5</manvolnum>.
</citerefentry>,
<citerefentry>
<refentrytitle>resolver</refentrytitle><manvolnum>5</manvolnum>.
</citerefentry>,
</refsect1>
</refsect1>

<title>FILES</title>
<para>
<filename>/etc/resolv.conf</filename>
</para>
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/sunos/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/unixware212/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/aix4/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/unixware20/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/aix32/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/hpux/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/irix/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/hpux10/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/sco42/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/cygwin/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/solaris/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/next/include/sys/cdefs.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/lynxos/include/sys/cdefs.h
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* @{$(####)cdefs.h8.7 (Berkeley) 1/21/94
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/dns/rdata/generic/null_10.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/include/isc/socket.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/dns/rdata/generic/soa_6.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/include/isc/timer.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/include/isc/region.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/include/isc/event.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/dns/rdata/in_1/a_1.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/include/isc/netaddr.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/include/isc/lex.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/dns/rdata/generic/proforma.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/buffer.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/isc/pthreads/include/isc/mutex.h
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"abc"
A9993E36 4706816A BA3E2571 7850C26C 9CD0D89D
"abacedfeghghighijikklmn" 84983E44 1C3BD26E BAAE4AA1 F95129E5 E54670F1
A million repetitions of "a"
34AA973C D4C4DAA4 F61EEB2B DBAD2731 6534016F

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/* */
/* $Id: lwres_hstrerror.3,v 1.1 2004/11/03 01:39:06 abstine Exp $ */
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```

The following six UNCOMMENTED lines are required.
`Os OPERATING_SYSTEM [version/release]
`Dt DOCUMENT_TITLE [section number] [volume]

The following requests should be uncommented and
used where appropriate. This next request is
for sections 2 and 3 function return values only.
This next request is for sections 1, 6, 7 & 8 only


```
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```

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/win32/version.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/include/isc/condition.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/pthreads/include/isc/condition.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/null_10.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/ns_2.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/md_3.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isccfg/win32/version.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/ns_2.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/in_1/a_1.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/eventclass.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/ns_2.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/md_3.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/thread.c
```
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/version.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/thread.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/pthreads/condition.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/mf_4.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/cname_5.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/mf_4.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/cname_5.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/proforma.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/win32/version.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/win32/version.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/mg_8.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/mg_8.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/mr_9.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/mr_9.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/minfo_14.c
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$Id: lwres_getnameinfo.3,v 1.1 2004/11/03 01:39:06 abstine Exp $

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/irs/irp_ho.c
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λ"

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/sec/dst/opensslrsa_link.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isccfg/parser.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/byaddr.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/diff.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/lwconfig.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/msg.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/validator.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/entropy.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/unix/entropy.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/hex.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/socket.c

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/* $Id: platform.h.in,v 1.1 2004/11/03 01:39:06 abstine Exp $ */

#ifndef LWRES_PLATFORM_H
#define LWRES_PLATFORM_H 1

/*****
***** Platform-dependent defines.
*****/

/***
*** Network.
***/

/*
 * Define if this system needs the <netinet/in6.h> header file for IPv6.
 */
@LWRES_PLATFORM_NEEDINETINETIN6H@

/*
 * Define if this system needs the <netinet6/in6.h> header file for IPv6.
 */
@LWRES_PLATFORM_NEEDINETINET6IN6H@

/*
 * If sockaddr on this system have an sa_len field, LWRES_PLATFORM_HAVESALEN
 * will be defined.
 */

/*
@LWRES_PLATFORM_HAVESALEN@

/*
* If this system has the IPv6 structure definitions, LWRES_PLATFORM_HAVEIPV6
* will be defined.
* /
@LWRES_PLATFORM_HAVEIPV6@

/*
* If this system is missing in6addr_any, LWRES_PLATFORM_NEEDIN6ADDRANY will
* be defined.
* /
@LWRES_PLATFORM_NEEDIN6ADDRANY@

/*
* If this system is missing in6addr_loopback,
* LWRES_PLATFORM_NEEDIN6ADDRLOOPBACK will be defined.
* /
@LWRES_PLATFORM_NEEDIN6ADDRLOOPBACK@

/*
* If this system has in_addr6, rather than in6_addr,
* LWRES_PLATFORM_HAVEINADDR6 will be defined.
* /
@LWRES_PLATFORM_HAVEINADDR6@

/*
* Defined if unistd.h does not cause fd_set to be declared.
* /
@LWRES_PLATFORM_NEEDSYSSELECTH@

/*
* Used to control how extern data is linked; needed for Win32 platforms.
* /
@LWRES_PLATFORM_USEDECLSPEC@

/*
* Defined this system uses vsnprintf() and snprintf().
* /
@LWRES_PLATFORM_NEEDVSPRINTF@

/*
* If this system needs a modern sprintf() that returns (int) not (char*).
* /
@LWRES_PLATFORM_NEEDSPRINTF@

#endif LWRES_PLATFORM_USEDECLSPEC
#define LIBLWRES_EXTERNAL_DATA
#endif
#ifdef LIBLWRES_EXPORTS
#define LIBLWRES_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBLWRES_EXTERNAL_DATA __declspec(dllimport)
#endif
#endif /* LWRES_PLATFORM_H */

Found in path(s):
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/liblwres/include/lwres/platform.h.in
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/libisc/include/isc/refcount.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/libdns/zonekey.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/irpmarshall.c
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/*
* msg_eventlib.c - Error messages for evlib
*
* January 2007, Vikram Visweswaraiah
*
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/irp_ng.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/irp.c
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AC_REVISION($Revision: 1.1 $)

AC_INIT(resolv/herror.c)
AC_PREREQ(2.13)

AC_CONFIG_HEADER(config.h)

AC_CANONICAL_HOST

AC_PROG_MAKE_SET
AC_PROG_RANLIB
AC_PROG_INSTALL

AC_SUBST(STD_CINCLUDES)
AC_SUBST(STD_CDEFINES)
AC_SUBST(STD_CWARNINGS)
AC_SUBST(CCOPT)

AC_PATH_PROG_AR, ar
ARFLAGS="cruv"
AC_SUBST_AR
AC_SUBST_ARFLAGS

# The POSIX ln(1) program. Non-POSIX systems may substitute
# "copy" or something.
LN=ln
AC_SUBST_LN

case "$AR" in
  *)
AC_MSG_ERROR([}
ar program not found. Please fix your PATH to include the directory in
which ar resides, or set AR in the environment with the full path to ar.
}]

)::
esac

#
# Etags.
#
AC_PATH_PROGS(ETAGS, etags emacs-etag)

#
# Some systems, e.g. RH7, have the Exuberant Ctags etags instead of
# GNU emacs etags, and it requires the -L flag.
#
if test "X$ETAGS" != "X"; then
  AC_MSG_CHECKING(for Exuberant Ctags etags)
  if $ETAGS --version 2>&1 | grep 'Exuberant Ctags' >/dev/null 2>&1; then
    AC_MSG_RESULT(yes)
    ETAGS="$ETAGS -L"
  else
    AC_MSG_RESULT(no)
  fi
fi
AC_SUBST(ETAGS)

#
# Perl is optional; it is used only by some of the system test scripts.
#
AC_PATH_PROGS(PERL, perl5 perl)
AC_SUBST(PERL)

#
# isc/list.h and others clash with the rest of BIND 9
#
case "$includedir" in
  '${prefix}/include')
  includedir='${prefix}/bind/include'
  ::
esac
case "$libdir" in
  '${prefix}/lib')
  libdir='${prefix}/bind/lib'
  ::
esac

#
# Make sure INSTALL uses an absolute path, else it will be wrong in all
# Makefiles, since they use make/rules.in and INSTALL will be adjusted by
# configure based on the location of the file where it is substituted.
# Since in BIND9 INSTALL is only substituted into make/rules.in, an immediate
# subdirectory of install-sh, This relative path will be wrong for all
# directories more than one level down from install-sh.
#
case "$INSTALL" in
  /)
    ;;
  */)
    #
    # Not all systems have dirname.
    #
    changequote({, })
    ac_dir="`echo $INSTALL | sed 's%/[^/]*$%%'" 
    changequote([, ])
    ac_prog="`echo $INSTALL | sed 's%.*/%%'" 
    test "$ac_dir" = "$ac_prog" && ac_dir=.
    test -d "$ac_dir" && ac_dir="`(cd "$ac_dir" && pwd)`" 
    INSTALL="$ac_dir/$ac_prog"
    ;;
  esac

  #
  # On these hosts, we really want to use cc, not gcc, even if it is
  # found. The gcc that these systems have will not correctly handle
  # pthreads.
  #
  # However, if the user sets $CC to be something, let that override
  # our change.
  #
  if test "X$CC" = "X" ; then
    case "$host" in
      *
      *)
        # Use Sun's cc if it is available, but watch
        # out for /usr/ucb/cc; it will never be the right
        # compiler to use.
        #
        # If setting CC here fails, the AC_PROG_CC done
        # below might still find gcc.
        IFS="{$IFS=}"); ac_save_ifs="SIFS"; IFS="":" 
        for ac_dir in $PATH; do 
          test -z "$ac_dir" && ac_dir=.
          test -z "$ac_dir" && cc="`
          ;
        esac
      esac
    esac
  fi
case "$ac_dir" in
/usr/ucb)
  # exclude
  ;;
  *)
  if test -f "$ac_dir/cc"; then
    CC="$ac_dir/cc"
    break
  fi
  ;;
esac
done
IFS="$ac_save_ifs"
  ;;
  *-hp-hpux*)
  CC="cc"
  ;;
  mips-sgi-irix*)
  CC="cc"
  ;;
esac
fi

AC_PROG_CC

AC_HEADER_STDC

AC_CHECK_HEADERS(fcntl.h db.h paths.h sys/time.h unistd.h sys/socket.h sys/select.h sys/timers.h)

AC_C_CONST
AC_C_INLINE
AC_TYPE_SIZE_T
AC_HEADER_TIME
#
# check if we need to #include sys/select.h explicitly
#
case $ac_cv_header_unistd_h in
  yes)
  AC_MSG_CHECKING(if unistd.h defines fd_set)
  AC_TRY_COMPILE([#include <unistd.h>],
  [fd_set read_set; return (0);],
  [AC_MSG_RESULT(yes)
  ISC_PLATFORM_NEEDSYSSELECTH="#undef ISC_PLATFORM_NEEDSYSSELECTH"
  ],
[AC_MSG_RESULT(no)
case ac_cv_header_sys_select_h in
yes)
   ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"
   ;;
   no)
   AC_MSG_ERROR([need either working unistd.h or sys/select.h])
   ;;
   esac
}

AC_SUBST(ISC_PLATFORM_NEEDSYSSELECTH)
#
# Find the machine's endian flavor.
#
AC_C_BIGENDIAN

AC_ARG_WITH(irs-gr,[ --with-irs-grBuild ....],
want_irs_gr="$withval", want_irs_gr="no")
case "$want_irs_gr" in
yes) WANT_IRS_GR="#define WANT_IRS_GR 1"
   WANT_IRS_GR_OBJS="$\{WANT_IRS_GR_OBJS\}"
   ;;
*) WANT_IRS_GR="#undef WANT_IRS_GR" WANT_IRS_GR_OBJS="";;
   esac
AC_SUBST(WANT_IRS_GR)
AC_SUBST(WANT_IRS_GR_OBJS)

AC_ARG_WITH(irs-pw,[ --with-irs-pwBuild ....],
want_irs_pw="$withval", want_irs_pw="no")
case "$want_irs_pw" in
yes) WANT_IRS_PW="#define WANT_IRS_PW 1"
   WANT_IRS_PW_OBJS="$\{WANT_IRS_PW_OBJS\}"
   ;;
*) WANT_IRS_PW="#undef WANT_IRS_PW" WANT_IRS_PW_OBJS="";;
   esac
AC_SUBST(WANT_IRS_PW)
AC_ARG_WITH(irs-nis, [ --with-irs-nisBuild ....],
want_irs_nis="$withval", want_irs_nis="no")
case "$want_irs_nis" in
  yes)
    WANT_IRS_NIS="#define WANT_IRS_NIS 1"
    WANT_IRS_NIS_OBJS="${WANT_IRS_NIS_OBJS}"
  esac;
*)
  WANT_IRS_NIS_OBJS="";;
esac

AC_SUBST(WANT_IRS_NIS)
AC_SUBST(WANT_IRS_NIS_OBJS)
AC_SUBST(WANT_IRS_NISGR_OBJS)
AC_SUBST(WANT_IRS_NISPW_OBJS)
AC_TRY_RUN([
#ifdef HAVE_DB_H
  int have_db_h = 1;
#else
  int have_db_h = 0;
#endif
  main() { return(!have_db_h); }
],
  WANT_IRS_DBPW_OBJS="${WANT_IRS_DBPW_OBJS}"
  WANT_IRS_DBPW_OBJS=""
  WANT_IRS_DBPW_OBJS=""
)
AC_SUBST(WANT_IRS_DBPW_OBJS)
#
# was --with-randomdev specified?

#
AC_MSG_CHECKING(for random device)
AC_ARG_WITH(randomdev,
    [ --with-randomdev=PATH Specify path for random device],
    use_randomdev="$withval", use_randomdev="unspec")

    case "$use_randomdev" in
    unspec)
    case "$host" in
    *-openbsd*)
        devrandom=/dev/srandom
    ;;
    *)
        devrandom=/dev/random
    ;;
    esac
    AC_MSG_RESULT($devrandom)
    AC_CHECK_FILE($devrandom,
        AC_DEFINE_UNQUOTED(PATH_RANDOMDEV,
            "$devrandom"),)
    ;;
    yes)
    AC_MSG_ERROR([--with-randomdev must specify a path])
    ;;
    *)
    AC_DEFINE_UNQUOTED(PATH_RANDOMDEV, "$use_randomdev")
    AC_MSG_RESULT(using "$use_randomdev")
    ;;
    esac

    
    #
    # Begin pthreads checking.
    #
    # First, decide whether to use multithreading or not.
    #
AC_MSG_CHECKING(whether to look for thread support)
AC_ARG_ENABLE(threads,
    [ --disable-threads	disable multithreading],
    case "$enable_threads" in
    yes]
    AC_MSG_RESULT(yes)
    use_threads=true
    ;;
    no)
    AC_MSG_RESULT(no)
    use_threads=false
    ;;
AC_MSG_ERROR([--enable-threads takes yes or no])

if $use_threads
then
#
# Search for / configure pthreads in a system-dependent fashion.
#
case "$host" in
  *-netbsd*)
  # NetBSD has multiple pthreads implementations. The
  # recommended one to use is "unproven-pthreads". The
  # older "mit-pthreads" may also work on some NetBSD
  # versions. The PTL2 thread library does not
  # currently work with bind9, but can be chosen with
  # the --with-ptl2 option for those who wish to
  # experiment with it.
  CC="gcc"
  AC_MSG_CHECKING(which NetBSD thread library to use)

  AC_ARG_WITH(ptl2,
    [ --with-ptl2	  on NetBSD, use the ptl2 thread library (experimental)],
    use_ptl2="$withval", use_ptl2="no"
  )

  : ${LOCALBASE:=/usr/pkg}

  if test "X$use_ptl2" = "Xyes"
  then
    AC_MSG_RESULT(PTL2)
    AC_MSG_WARN(
      [linking with PTL2 is highly experimental and not expected to work])
    CC=ptlgcc
  else
    if test ! -d $LOCALBASE/pthreads
    then
      AC_MSG_RESULT(none)
      use_threads=false
  fi

  if $use_threads
  then
    AC_MSG_RESULT(mit-pthreads/unproven-pthreads)
    pkg="${LOCALBASE}/pthreads"
    lib1="-L$pkg/lib -Wl,-R$pkg/lib"
    lib2="-lpthread -lm -lgcc -lpthread"
    LIBS="$lib1 $lib2 $LIBS"
  fi

  AC_MSG_RESULT(none)
  use_threads=false
fi
CPPFLAGS="$CPPFLAGS -I$pkg/include"
STD_CINCLUDES="$STD_CINCLUDES -I$pkg/include"
fi
fi
;;
*)
AC_CHECK_LIB(pthread, pthread_create,)
AC_CHECK_LIB(pthread, __pthread_create,)
AC_CHECK_LIB(pthread, __pthread_create_system,)
AC_CHECK_LIB(c_r, pthread_create,)
AC_CHECK_LIB(c, pthread_create,)
use_threads=false )))
;;
esac
fi

if $use_threads
then
#
# We'd like to use sigwait() too
#
AC_CHECK_LIB(c, sigwait,
   AC_DEFINE(HAVE_SIGWAIT),
AC_CHECK_LIB(pthread, sigwait,
   AC_DEFINE(HAVE_SIGWAIT),
AC_CHECK_LIB(pthread, _Psigwait,
   AC_DEFINE(HAVE_SIGWAIT),))
)

AC_CHECK_FUNC(pthread_attr_getstacksize,
   AC_DEFINE(HAVE_PTHREAD_ATTR_GETSTACKSIZE),)
#
# Additional OS-specific issues related to pthreads and sigwait.
#
case "$host" in
#
# One more place to look for sigwait.
#
*-*-freebsd*)
AC_CHECK_LIB(c_r, sigwait, AC_DEFINE(HAVE_SIGWAIT),)
;;
#
# BSDI 3.0 through 4.0.1 needs pthread_init() to be
# called before certain pthreads calls. This is deprecated
# in BSD/OS 4.1.
#
*-*-bsd3.*|*-*-bsd4.0*)
AC_DEFINE(NEED_PTHREAD_INIT)
;;
#
# LinuxThreads requires some changes to the way we
# deal with signals.
#
*~linux~*)
AC_DEFINE(HAVE_LINUXTHREADS)
;;
#
# Ensure the right sigwait() semantics on Solaris and make
# sure we call pthread_setconcurrency.
#
*~solaris~*)
AC_DEFINE(_POSIX_PTHREAD_SEMANTICS)
AC_CHECK_FUNC(pthread_setconcurrency,
    AC_DEFINE(CALL_PTHREAD_SETCONCURRENCY))
AC_DEFINE(POSIX_GETP UID_R)
AC_DEFINE(POSIX_GETPW NAM_R)
AC_DEFINE(POSIX_GET GRGID_R)
AC_DEFINE(POSIX_GET GRNAME_R)
;;
*~hpux11~*)
AC_DEFINE(_PTHREADS_DRAFT4)
;;
#
# UnixWare does things its own way.
#
*~UnixWare~*)
AC_DEFINE(HAVE_UNIXWARE_SIGWAIT)
;;
esac

#
# Look for sysconf to allow detection of the number of processors.
#
AC_CHECK_FUNC(sysconf, AC_DEFINE(HAVE_SYSCONF),)

if test "XSGCC" = "Xyes"; then
case "$host" in
*~freebsd~*)
CC="$CC -pthread"
CCOPT="$CCOPT -pthread"
STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
;;
*~openbsd~*)
CC="$CC -pthread"
CCOPT="$CCOPT -pthread"
LIBS="$LIBS -lthread"

STD_CDEFFINES="$STD_CDEFINES -D_THREAD_SAFE"

esac
else
case $host in
  -*dec-osf*)
    CC="$CC -pthread"
    CCOPT="$CCOPT -pthread"
    ;;
  -*solaris*)
    CC="$CC -mt"
    CCOPT="$CCOPT -mt"
    ;;
  -*ibm-aix*)
    STD_CDEFINES="$STD_CDEFINES -D_THREAD_SAFE"
    ;;
  *-UnixWare*)
    CC="$CC -Kthread"
    CCOPT="$CCOPT -Kthread"
    ;;
esac
fi

ALWAYS_DEFINES="-D_REENTRANT"
DO_PTHREADS="#define DO_PTHREADS 1"

WANT_IRS_THREADSGR_OBJS="$WANT_IRS_THREADSGR_OBJS"
WANT_IRS_THREADSPW_OBJS="$WANT_IRS_THREADSPW_OBJS"
WANT_IRS_THREADS_OBJS="$WANT_IRS_THREADS_OBJS"

thread_dir=pthreads
else
  ALWAYS_DEFINES=""
  DO_PTHREADS="#undef DO_PTHREADS"
  WANT_IRS_THREADSGR_OBJS=""
  WANT_IRS_THREADSPW_OBJS=""
  WANT_IRS_THREADS_OBJS=""
  thread_dir=nothreads
fi

AC_CHECK_FUNC(strlcat, AC_DEFINE(HAVE_STRLCAT))

AC_SUBST(ALWAYS_DEFINES)
AC_SUBST(DO_PTHREADS)
AC_SUBST(WANT_IRS_THREADSGR_OBJS)
AC_SUBST(WANT_IRS_THREADSPW_OBJS)
AC_SUBST(WANT IRS_THREADS_OBJC)

AC_CHECK_FUNC(if_nametoindex,
[USE_IFNAMELINKID="#define USE_IFNAMELINKID 1"],
[USE_IFNAMELINKID="#undef USE_IFNAMELINKID"])
AC_SUBST(USE_IFNAMELINKID)

ISC_THREAD_DIR=$thread_dir
AC_SUBST(ISC_THREAD_DIR)

AC_CHECK_FUNC(daemon,
[DAEMON_OBJC="" NEED_DAEMON="#undef NEED_DAEMON"]
,
[DAEMON_OBJC=""$[DAEMON_OBJC]" NEED_DAEMON="#define NEED_DAEMON 1"]
)
AC_SUBST(DAEMON_OBJC)
AC_SUBST(NEED_DAEMON)

AC_CHECK_FUNC(strsep,
[STRSEP_OBJC="" NEED_STRSEP="#undef NEED_STRSEP"]
,
[STRSEP_OBJC=""$[STRSEP_OBJC]" NEED_STRSEP="#define NEED_STRSEP 1"]
)
AC_SUBST(STRSEP_OBJC)
AC_SUBST(NEED_STRSEP)

AC_CHECK_FUNC(strerror, [NEED_STRERROR="#undef NEED_STRERROR"],
[NEED_STRERROR="#define NEED_STRERROR 1"])
AC_SUBST(NEED_STRERROR)

#
# flockfile is usually provided by pthreads, but we may want to use it
# even if compiled with --disable-threads.
#
AC_CHECK_FUNC(flockfile, AC_DEFINE(HAVE_FLOCKFILE),)

#
# Indicate what the final decision was regarding threads.
#
AC_MSG_CHECKING(whether to build with threads)
if $use_threads; then
AC_MSG_RESULT(yes)
else
AC_MSG_RESULT(no)
fi

#
# End of pthreads stuff.
# Additional compiler settings.

MKDEPCC="CC"
MKDEPCFLAGS="-M"
IRIX_DNSSEC_WARNINGS_HACK=""

if test "X$GCC" = "Xyes"; then
STD_CWARNINGS="STD_CWARNINGS -W -Wall -Wmissing-prototypes -Wcast-qual -Wwrite-strings"
else
case $host in
  *-dec-osf*)
  CC="CC -std"
  CCOPT="CCOPT -std"
  MKDEPCC="CC"
  ;;
  *-hp-hpux*)
  CC="CC -Ae -z"
  CCOPT="CCOPT -Ae -z"
  # The version of the C compiler that constantly warns about
  # 'const' as well as alignment issues is unfortunately not
  # able to be discerned via the version of the operating
  # system, nor does cc have a version flag.
  case "$CC +W 123 2>&1" in
    Unknown?option*)
    STD_CWARNINGS="+w1"
    ;;
    *)
    # Turn off the pointlessly noisy warnings.
    STD_CWARNINGS="+w1 +W 474,530"
    ;;
  esac
  CCOPT="CCOPT -Ae -z"
  LIBS="-Wl,+vnocompatwarnings $LIBS"
MKDEPPROG=`cc -E -Wp,-M >/dev/null 2>&1 | awk "BEGIN {colon=0; rec=" ; } [ for (i = 0 ; i < NF; i++)
  { if (colon && a[$i]) continue; if ($i == "\") continue; if (!colon) { rec = rec " $i continue; } else { rec = rec ":" ;
  colon = 1 continue; } if (length(rec $i) > 76) { print rec " "; rec = "  "; a[$i] = 1; } else { rec = rec " "$i a[$i] = 1;
  } } ] END {print rec}" >>$TMP`
MKDEPPROG=`cc -E -Wp,-M >/dev/null 2>>$TMP`

# Silence more than 250 instances of
# "prototyped function redeclared without prototype"
# and 11 instances of
# "variable ... was set but never used"
from lib/dns/sec/openssl.

IRIX_DNSSEC_WARNINGS_HACK="-woff 1692,1552"

:: *

MKDEPCFLAGS="-xM"

:: *

CC="$CC -w"

::
esac
fi

# _GNU_SOURCE is needed to access the fd_bits field of struct fd_set, which
# is supposed to be opaque.
#
case $host in
  linux*)
    STD_CDEFINES="$STD_CDEFINES -D_GNU_SOURCE"
    ::
esac

AC_SUBST(MKDEPPROG)
AC_SUBST(IRIX_DNSSEC_WARNINGS_HACK)

# NLS

AC_CHECK_FUNC(catgets, AC_DEFINE(HAVE_CATGETS),)

# -lxnet buys us one big porting headache... standards, gotta love 'em.
#
AC_CHECK_LIB(xnet, socket, ,
#  AC_CHECK_LIB(socket, socket)
#  AC_CHECK_LIB(nsl, inet_ntoa)
# )
#
# Use this for now, instead:
#
case "$host" in
  mips-sgi-irix*)
    ;;
  *)
    ;;
  ;
AC_CHECK_LIB(d4r, gethostbyname_r)
AC_CHECK_LIB(socket, socket)
AC_CHECK_LIB(nsl, inet_ntoa)
;;
esac

#
# Purify support
#
AC_MSG_CHECKING(whether to use purify)
AC_ARG_WITH(purify,
[  --with-purify[=PATH] use Rational purify],
use_purify="$withval", use_purify="no")

case "$use_purify" in
  no)
    ;;
  yes)
    AC_PATH_PROG(purify_path, purify, purify)
    ;;
    *)
    purify_path="$use_purify"
    ;;
esac

case "$use_purify" in
  no)
    AC_MSG_RESULT(no)
    PURIFY=""
    ;;
  *)
    if test -f $purify_path || test $purify_path = purify; then
      AC_MSG_RESULT($purify_path)
      PURIFYFLAGS="`echo $PURIFYOPTIONS`"
      PURIFY="$purify_path $PURIFYFLAGS"
    else
      AC_MSG_ERROR([$purify_path not found.
        Please choose the proper path with the following command:

        configure --with-purify=PATH
      ]
    fi
    ;;
esac

AC_SUBST(PURIFY)

#
# GNU libtool support

AC_ARG_WITH(libtool,

    [ --with-libtool use GNU libtool (following indented options supported)],
    use_libtool="$withval", use_libtool="no"
)

case $use_libtool in
    yes)
        AM_PROG_LIBTOOL
        O=lo
        A=la
        LIBTOOL_MKDEP_SED='s:\.o:\.lo:'
        LIBTOOL_MODE_COMPILE='--mode=compile'
        LIBTOOL_MODE_INSTALL='--mode=install'
        LIBTOOL_MODE_LINK='--mode=link'
        ;;
    *)
        O=o
        A=a
        LIBTOOL=
        AC_SUBST(LIBTOOL)
        LIBTOOL_MKDEP_SED=
        LIBTOOL_MODE_COMPILE=
        LIBTOOL_MODE_INSTALL=
        LIBTOOL_MODE_LINK=
        ;;
        esac

# File name extension for static archive files, for those few places
# where they are treated differently from dynamic ones.
# SA=a

AC_SUBST(O)
AC_SUBST(A)
AC_SUBST(SA)
AC_SUBST(LIBTOOL_MKDEP_SED)
AC_SUBST(LIBTOOL_MODE_COMPILE)
AC_SUBST(LIBTOOL_MODE_INSTALL)
AC_SUBST(LIBTOOL_MODE_LINK)

# Here begins a very long section to determine the system's networking
# capabilities. The order of the tests is significant.
#
# IPv6

AC_ARG_ENABLE(ipv6,
[ --enable-ipv6	use IPv6 [default=autodetect]])

case "$enable_ipv6" in
  yes|''|autodetect)
  AC_DEFINE(WANT_IPV6)
  ;;
  no)
  ;;
  esac

# We do the IPv6 compilation checking after libtool so that we can put
# the right suffix on the files.
#
AC_MSG_CHECKING(for IPv6 structures)
AC_TRY_COMPILE({
  #include <sys/types.h>
  #include <sys/socket.h>
  #include <netinet/in.h>,
  [struct sockaddr_in6 sin6; return (0);],
  [AC_MSG_RESULT(yes)
    found_ipv6=yes],
  [AC_MSG_RESULT(no)
    found_ipv6=no])

# See whether IPv6 support is provided via a Kame add-on.
# This is done before other IPv6 linking tests to LIBS is properly set.
#
AC_MSG_CHECKING(for Kame IPv6 support)
AC_ARG_WITH(kame,
[ --with-kame[=PATH]use Kame IPv6 [default path /usr/local/v6]],
  use_kame="$withval", use_kame="no")

case "$use_kame" in
  no)
  ;;
  yes)
  kame_path=/usr/local/v6
  ;;
  *)
  kame_path="$use_kame"
  ;;
  esac
case "$use_kame" in
  no)
    AC_MSG_RESULT(no)
    ;;
  *)
    if test -f $kame_path/lib/libinet6.a; then
      AC_MSG_RESULT($kame_path/lib/libinet6.a)
      LIBS="-L$kame_path/lib -linet6 $LIBS"
    else
      AC_MSG_ERROR([$kame_path/lib/libinet6.a not found.]
      Please choose the proper path with the following command:
      
      configure --with-kame=PATH
    )
  fi
  ;;
esac

# Whether netinet6/in6.h is needed has to be defined in isc/platform.h.
# Including it on Kame-using platforms is very bad, though, because
# Kame uses #error against direct inclusion. So include it on only
# the platform that is otherwise broken without it -- BSD/OS 4.0 through 4.1.
# This is done before the in6_pktinfo check because that's what
# netinet6/in6.h is needed for.
#
changequote({, })
  case "$host" in
    *.bsdi4.[01]*)
      ISC_PLATFORM_NEEDNETINET6IN6H="#define ISC_PLATFORM_NEEDNETINET6IN6H 1"
      isc_netinet6in6_hack="#include <netinet6/in6.h>"
      ;;
    *)
      ISC_PLATFORM_NEEDNETINET6IN6H="#undef ISC_PLATFORM_NEEDNETINET6IN6H"
      isc_netinet6in6_hack=""
      ;;
esac
changequote([, ])

# This is similar to the netinet6/in6.h issue.
#
changequote({, })
  case "$host" in
    *-UnixWare*)
      ISC_PLATFORM_NEEDNETINETIN6H="#define ISC_PLATFORM_NEEDNETINETIN6H 1"
      ISC_PLATFORM_FIXIN6ISADDR="#define ISC_PLATFORM_FIXIN6ISADDR 1"
      isc_netinetin6_hack="#include <netinet/in6.h>"
ISC_PLATFORM_NEEDNETINETIN6H="#undef ISC_PLATFORM_NEEDNETINETIN6H"
ISC_PLATFORM_FIXIN6ISADDR="#undef ISC_PLATFORM_FIXIN6ISADDR"
isc_netinetin6_hack=""

# Now delve deeper into the suitability of the IPv6 support.
# case "$found_ipv6" in
yes)
HAS_INET6_STRUCTS="#define HAS_INET6_STRUCTS 1"

AC_MSG_CHECKING(for in6_addr)
AC_TRY_COMPILE([
  #include <sys/types.h>
  #include <sys/socket.h>
  #include <netinet/in.h>
  $isc_netinetin6_hack
  $isc_netinet6in6_hack
],
[struct in6_addr in6; return (0);],
[AC_MSG_RESULT(yes)
  HAS_IN_ADDR6="#undef HAS_IN_ADDR6"
  isc_in_addr6_hack=""],
[AC_MSG_RESULT(no)
  HAS_IN_ADDR6="#define HAS_IN_ADDR6 1"
  isc_in_addr6_hack="#define in6_addr in_addr6"]
)

AC_MSG_CHECKING(for in6addr_any)
AC_TRY_LINK([
  #include <sys/types.h>
  #include <sys/socket.h>
  #include <netinet/in.h>
  $isc_netinetin6_hack
  $isc_netinet6in6_hack
  $isc_in_addr6_hack
],
[struct in6_addr in6; in6 = in6addr_any; return (0);],
[AC_MSG_RESULT(yes)
  NEED_IN6ADDR_ANY="#undef NEED_IN6ADDR_ANY"
  ],
[AC_MSG_RESULT(no)
  NEED_IN6ADDR_ANY="#define NEED_IN6ADDR_ANY 1"]
)

AC_MSG_CHECKING(for sin6_scope_id in struct sockaddr_in6)
AC_TRY_COMPILE([

#include <sys/types.h>
#include <sys/socket.h>
#include <netinet/in.h>
$isc_netinetin6_hack
$isc_netinet6in6_hack
], [struct sockaddr_in6 xyzzy; xyzzy.sin6_scope_id = 0; return (0);],
[AC_MSG_RESULT(yes)
   result="#define HAVE_SIN6_SCOPE_ID 1"],
[AC_MSG_RESULT(no)
   result="#undef HAVE_SIN6_SCOPE_ID")
HAVE_SIN6_SCOPE_ID="$result"

AC_MSG_CHECKING(for in6_pktinfo)
AC_TRY_COMPILE([
   #include <sys/types.h>
   #include <sys/socket.h>
   #include <netinet/in.h>
   $isc_netinetin6_hack
   $isc_netinet6in6_hack
], [struct in6_pktinfo xyzzy; return (0);],
[AC_MSG_RESULT(yes)
   ISC_PLATFORM_HAVEIN6PKTINFO="#define ISC_PLATFORM_HAVEIN6PKTINFO 1"],
[AC_MSG_RESULT(no -- disabling runtime ipv6 support)
   ISC_PLATFORM_HAVEIN6PKTINFO="#undef ISC_PLATFORM_HAVEIN6PKTINFO")

AC_MSG_CHECKING(for sockaddr_storage)
AC_TRY_COMPILE([
   #include <sys/types.h>
   #include <sys/socket.h>
   #include <netinet/in.h>
   $isc_netinetin6_hack
   $isc_netinet6in6_hack
], [struct sockaddr_storage xyzzy; return (0);],
[AC_MSG_RESULT(yes)
   HAVE_SOCKADDR_STORAGE="#define HAVE_SOCKADDR_STORAGE 1"],
[AC_MSG_RESULT(no)
   HAVE_SOCKADDR_STORAGE="#undef HAVE_SOCKADDR_STORAGE")
;;
no)
HAS_INET6_STRUCTS="#undef HAS_INET6_STRUCTS"
NEED_IN6ADDR_ANY="#undef NEED_IN6ADDR_ANY"
ISC_PLATFORM_HAVEIN6PKTINFO="#undef ISC_PLATFORM_HAVEIN6PKTINFO"
HAVE_SIN6_SCOPE_ID="#define HAVE_SIN6_SCOPE_ID 1"
HAVE_SOCKADDR_STORAGE="#undef HAVE_SOCKADDR_STORAGE"
ISC_IPV6_H="ipv6.h"
ISC_IPV6_O="ipv6.$O"
ISC_ISCIPV6_O="unix/ipv6.$O"
ISC_IPV6_C="ipv6.c"

; AC_SUBST(HAS_INET6_STRUCTS)
AC_SUBST(ISCPLATFORM_NEEDINETINET6H)
AC_SUBST(ISCPLATFORM_NEEDINETINET6IN6H)
AC_SUBST(HAS_IN_ADDR6)
AC_SUBST(NEED_IN6ADDR_ANY)
AC_SUBST(ISCPLATFORM_HAVEIN6PKTINFO)
AC_SUBST(ISCPLATFORM_FIXIN6ISADDR)
AC_SUBST(ISC_IPV6_H)
AC_SUBST(ISC_IPV6_O)
AC_SUBST(ISC_ISCIPV6_O)
AC_SUBST(ISC_IPV6_C)
AC_SUBST(HAVE_SIN6_SCOPE_ID)
AC_SUBST(HAVE_SOCKADDR_STORAGE)

#
# Check for network functions that are often missing. We do this
# after the libtool checking, so we can put the right suffix on
# the files. It also needs to come after checking for a Kame add-on,
# which provides some (all?) of the desired functions.
#
AC_MSG_CHECKING([for inet_ntop])
AC_TRY_LINK([
  #include <sys/types.h>
  #include <netinet/in.h>
  #include <arpa/inet.h>
  [inet_ntop(0, 0, 0, 0); return (0)];
  [AC_MSG_RESULT(yes)
    ISC_PLATFORM_NEEDNTOP="#undef ISC_PLATFORM_NEEDNTOP"]),

[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_ntop.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_ntop.c"
ISC_PLATFORM_NEEDNTOP="#define ISC_PLATFORM_NEEDNTOP 1"]
AC_MSG_CHECKING([for inet_pton])
AC_TRY_LINK([
  #include <sys/types.h>
  #include <netinet/in.h>
  #include <arpa/inet.h>
  [inet_pton(0, 0, 0); return (0)];
  [AC_MSG_RESULT(yes)
    ISC_PLATFORM_NEEDPTON="#undef ISC_PLATFORM_NEEDPTON"]),

[AC_MSG_RESULT(no)
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_pton.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_pton.c"
ISC_PLATFORM_NEEDPTON="#define ISC_PLATFORM_NEEDPTON 1"]
[AC_MSG_RESULT(no)]
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_pton.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_pton.c"
ISC_PLATFORM_NEEDPTON="#define ISC_PLATFORM_NEEDPTON 1")
AC_MSG_CHECKING([for inet_aton])
AC_TRY_LINK([
#include <sys/types.h>
#include <netinet/in.h>
#include <arpa/inet.h>],
[struct in_addr in; inet_aton(0, &in); return (0);],
[AC_MSG_RESULT(yes]
ISC_PLATFORM_NEEDATON="#undef ISC_PLATFORM_NEEDATON"]],
[AC_MSG_RESULT(no)]
ISC_EXTRA_OBJS="$ISC_EXTRA_OBJS inet_aton.$O"
ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS inet_aton.c"
ISC_PLATFORM_NEEDATON="#define ISC_PLATFORM_NEEDATON 1")

AC_SUBST(ISC_PLATFORM_NEEDNTOP)
AC_SUBST(ISC_PLATFORM_NEEDPTON)
AC_SUBST(ISC_PLATFORM_NEEDATON)

#
# Look for a 4.4BSD-style sa_len member in struct sockaddr.
#
case "$host" in
  *-dec-osf*)
    # Turn on 4.4BSD style sa_len support.
    AC_DEFINE(_SOCKADDR_LEN)
    ;;
esac

AC_MSG_CHECKING(for sa_len in struct sockaddr)
AC_TRY_COMPILE([
#include <sys/types.h>
#include <sys/socket.h>],
[struct sockaddr sa; sa.sa_len = 0; return (0);],
[AC_MSG_RESULT(yes]
HAVE_SA_LEN="#define HAVE_SA_LEN 1"]],
[AC_MSG_RESULT(no]
HAVE_SA_LEN="#undef HAVE_SA_LEN")])
AC_SUBST(HAVE_SA_LEN)

# HAVE_MINIMUM_IFREQ

case "$host" in
  *-bsd[2345]*)
    have_minimum_ifreq=yes;;
  *-darwin*)
    have_minimum_ifreq=yes;;
*.-freebsd*) have_minimum_ifreq=yes;;
*.-lynxos*) have_minimum_ifreq=yes;;
*.-netbsd*) have_minimum_ifreq=yes;;
*.-next*) have_minimum_ifreq=yes;;
*.-openbsd*) have_minimum_ifreq=yes;;
*.-rhapsody*) have_minimum_ifreq=yes;;
esac

case "$have_minimum_ifreq" in
yes)
    HAVE_MINIMUM_IFREQ="#define HAVE_MINIMUM_IFREQ 1";;
no)
    HAVE_MINIMUM_IFREQ="#undef HAVE_MINIMUM_IFREQ";;
*)
    HAVE_MINIMUM_IFREQ="#undef HAVE_MINIMUM_IFREQ";;
esac
AC_SUBST(HAVE_MINIMUM_IFREQ)

# PORT_DIR
PORT_DIR=port/unknown
SOLARIS_BITTYPES="#undef NEED_SOLARIS_BITTYPES"
BSD_COMP="#undef BSD_COMP"
USE_FIONBIO_IOCTL="#undef USE_FIONBIO_IOCTL"
case "$host" in
  *aix3.2*) PORT_DIR="port/aix32";;
  *aix4*) PORT_DIR="port/aix4";;
  *aux3*) PORT_DIR="port/aux3";;
  *-bsd2*) PORT_DIR="port/bsdos2";;
  *-bsdi*) PORT_DIR="port/bsdos";;
  *-cygwin*) PORT_DIR="port/cygwin";;
  *-darwin*) PORT_DIR="port/darwin";;
  *-osf*) PORT_DIR="port/decunix";;
  *-freebsd*) PORT_DIR="port/freebsd";;
  *-hpux9*) PORT_DIR="port/hpux9";;
  *-hpux10*) PORT_DIR="port/hpux10";;
  *-hpux11*) PORT_DIR="port/hpux";;
  *-irix*) PORT_DIR="port/irix";;
  *-linux*) PORT_DIR="port/linux";;
  *-lynxos*) PORT_DIR="port/lynxos";;
  *-mpe*) PORT_DIR="port/mpe";;
  *-netbsd*) PORT_DIR="port/netbsd";;
  *-next*) PORT_DIR="port/next";;
  *-openbsd*) PORT_DIR="port/openbsd";;
  *-qnx*) PORT_DIR="port/qnx";;
  *-rhapsody*) PORT_DIR="port/rhapsody";;
  *-solaris2[[01234][[]
BSD_COMP="#define BSD_COMP 1"
SOLARIS_BITTYPES="#define NEED_SOLARIS_BITTYPES 1"
USE_FIONBIO_IOCTL="#define USE_FIONBIO_IOCTL 1"
PORT_DIR="port/solaris";;
  *-solaris2.5*)
BSD_COMP="#define BSD_COMP 1"
SOLARIS_BITTYPES="#define NEED_SOLARIS_BITTYPES 1"
PORT_DIR="port/solaris";;
  *-solaris2*)BSD_COMP="#define BSD_COMP 1"
PORT_DIR="port/solaris";;
  *-ultrix*)PORT_DIR="port/ultrix";;
  *-sco-sysv*uw2.0*)PORT_DIR="port/unixware20";;
  *-sco-sysv*uw2.1.*)PORT_DIR="port/unixware212";;
  *-sco-sysv*uw7*)PORT_DIR="port/unixware7";;
esac
AC_SUBST(BSD_COMP)
AC_SUBST(SOLARIS_BITTYPES)
AC_SUBST(USE_FIONBIO_IOCTL)
AC_SUBST(PORT_DIR)
PORT_INCLUDE=${PORT_DIR}/include
AC_SUBST(PORT_INCLUDE)

#
# Look for a 4.4BSD or 4.3BSD struct msghdr
#
AC_MSG_CHECKING(for struct msghdr flavor)
AC_TRY_COMPILE({
#include <sys/types.h>
#include <sys/socket.h>
[struct msghdr msg; msg.msg_flags = 0; return (0);],
[AC_MSG_RESULT(4.4BSD)
ISC_PLATFORM_MSGHDRFLAVOR="#define ISC_NET_BSD44MSGHDR 1"],
[AC_MSG_RESULT(4.3BSD)
ISC_PLATFORM_MSGHDRFLAVOR="#define ISC_NET_BSD43MSGHDR 1"])
AC_SUBST(ISC_PLATFORM_MSGHDRFLAVOR)

#
# Look for in_port_t.
#
AC_MSG_CHECKING(for type in_port_t)
AC_TRY_COMPILE({
#include <sys/types.h>
#include <netinet/in.h>
in_port_t port = 25; return (0);],
[AC_MSG_RESULT(yes)
ISC_PLATFORM_NEEDPORTT="#undef ISC_PLATFORM_NEEDPORTT"],
[AC_MSG_RESULT(no)
ISC_PLATFORM_NEEDPORTT="#define ISC_PLATFORM_NEEDPORTT 1"])
AC_SUBST(ISC_PLATFORM_NEEDPORTT)
# Check for addrinfo

AC_MSG_CHECKING(for struct addrinfo)
AC_TRY_COMPILE([
#include <netdb.h>],
[struct addrinfo a; return (0);],
[AC_MSG_RESULT(yes)
AC_DEFINE(HAVE_ADDRINFO)],
[AC_MSG_RESULT(no)])

AC_MSG_CHECKING(for int sethostent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = sethostent(0); return(0);],
[AC_MSG_RESULT(yes)],
[AC_MSG_RESULT(no)])

AC_MSG_CHECKING(for int endhostent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = endhostent(); return(0);],
[AC_MSG_RESULT(yes)],
[AC_MSG_RESULT(no)])

ISC_LWRES_ENDHOSTENTINT="#define ISC_LWRES_ENDHOSTENTINT 1",
AC_SUBST(ISC_LWRES_ENDHOSTENTINT)

AC_MSG_CHECKING(for int setnetent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = setnetent(0); return(0);],
[AC_MSG_RESULT(yes)],
[AC_MSG_RESULT(no)])

ISC_LWRES_SETNETENTINT="#define ISC_LWRES_SETNETENTINT 1",
AC_SUBST(ISC_LWRES_SETNETENTINT)

AC_MSG_CHECKING(for int endnetent)
AC_TRY_COMPILE([
#include <netdb.h>],
[int i = endnetent(); return(0);],
[AC_MSG_RESULT(yes)],
[AC_MSG_RESULT(no)])

ISC_LWRES_ENDNETENTINT="#define ISC_LWRES_ENDNETENTINT 1",
AC_SUBST(ISC_LWRES_ENDNETENTINT)
AC_MSG_CHECKING(for gethostbyaddr(const void *, size_t, ...))
AC_TRY_COMPILE([ 
#include <netdb.h>
struct hostent *gethostbyaddr(const void *, size_t, int);],
[return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_GETHOSTBYADDRVOID="#define ISC_LWRES_GETHOSTBYADDRVOID 1"],
[AC_MSG_RESULT(no)
ISC_LWRES_GETHOSTBYADDRVOID="#undef ISC_LWRES_GETHOSTBYADDRVOID"])
AC_SUBST(ISC_LWRES_GETHOSTBYADDRVOID)

AC_MSG_CHECKING(for h_errno in netdb.h)
AC_TRY_COMPILE([ 
#include <netdb.h>
],
[h_errno = 1; return(0);],
[AC_MSG_RESULT(yes)
ISC_LWRES_NEEDHERRNO="#undef ISC_LWRES_NEEDHERRNO"],
[AC_MSG_RESULT(no)
ISC_LWRES_NEEDHERRNO="#define ISC_LWRES_NEEDHERRNO 1"])
AC_SUBST(ISC_LWRES_NEEDHERRNO)

AC_CHECK_FUNC(getipnodebyname,
[ISC_LWRES_GETIPNODEPROTO="#define ISC_LWRES_GETIPNODEPROTO 1"],
[ISC_LWRES_GETIPNODEPROTO="#undef ISC_LWRES_GETIPNODEPROTO"])
AC_CHECK_FUNC(getnameinfo,
[ISC_LWRES_GETNAMEINFOPROTO="#define ISC_LWRES_GETNAMEINFOPROTO 1"],
[ISC_LWRES_GETNAMEINFOPROTO="#undef ISC_LWRES_GETNAMEINFOPROTO"])
AC_CHECK_FUNC(getaddrinfo,
[ISC_LWRES_GETADDRINFOPROTO="#define ISC_LWRES_GETADDRINFOPROTO 1"],
[ISC_LWRES_GETADDRINFOPROTO="#undef ISC_LWRES_GETADDRINFOPROTO"])
AC_CHECK_FUNC(gai_strerror, AC_DEFINE(HAVE_GAISTRERROR))
AC_SUBST(ISC_LWRES_GETIPNODEPROTO)
AC_SUBST(ISC_LWRES_GETADDRINFOPROTO)
AC_SUBST(ISC_LWRES_GETNAMEINFOPROTO)
AC_CHECK_FUNC(pselect,
[NEED_PSELECT="#undef NEED_PSELECT"],
[NEED_PSELECT="#define NEED_PSELECT"])
AC_SUBST(NEED_PSELECT)
AC_CHECK_FUNC(gettimeofday,
[NEED_GETTIMEOFDAY="#define NEED_GETTIMEOFDAY"],
[NEED_GETTIMEOFDAY="#undef NEED_GETTIMEOFDAY"])
AC_SUBST(NEED_GETTIMEOFDAY)
AC_CHECK_FUNC(strndup,
[HAVE_STRNDUP="#define HAVE_STRNDUP 1"],
[HAVE_STRNDUP="#undef HAVE_STRNDUP"])
AC_SUBST(HAVE_STRNDUP)
Look for a sysctl call to get the list of network interfaces.

```
AC_MSG_CHECKING(for interface list sysctl)
AC_EGREP_CPP(found_rt_iflist, [
    #include <sys/param.h>
    #include <sys/sysctl.h>
    #include <sys/socket.h>
    #ifdef NET_RT_IFLIST
    found_rt_iflist
    #endif
],
[AC_MSG_RESULT(yes)
AC_DEFINE(HAVE_IFLIST_SYSCTL)],
[AC_MSG_RESULT(no)])
```

Check for some other useful functions that are not ever-present.

```
AC_CHECK_FUNC(strsep,
    [ISC_PLATFORM_NEEDSTRSEP="#undef ISC_PLATFORM_NEEDSTRSEP"],
    [ISC_PLATFORM_NEEDSTRSEP="#define ISC_PLATFORM_NEEDSTRSEP 1"])
AC_CHECK_FUNC(vsnprintf,
    [ISC_PLATFORM_NEEDVSNPRINTF="#undef ISC_PLATFORM_NEEDVSNPRINTF"],
    [ISC_PLATFORM_NEEDVSNPRINTF="#define ISC_PLATFORM_NEEDVSNPRINTF 1"])
AC_SUBST(ISC_PLATFORM_NEEDSTRSEP)
AC_SUBST(ISC_PLATFORM_NEEDVSNPRINTF)
AC_SUBST(ISC_EXTRA_OBJS)
AC_SUBST(ISC_EXTRA_SRCS)
AC_CHECK_FUNC(strerror,
    [USE_SYSERROR_LIST="#undef USE_SYSERROR_LIST"],
    [USE_SYSERROR_LIST="#define USE_SYSERROR_LIST 1"])
AC_SUBST(USE_SYSERROR_LIST)
```

Determine the printf format characters to use when printing
values of type isc_int64_t. We make the assumption that platforms
where a "long long" is the same size as a "long" (e.g., Alpha/OSF1)
want "%ld" and everyone else can use "%lld". Win32 uses "%I64d".
but that's defined elsewhere since we don't use configure on Win32.

```
AC_MSG_CHECKING(printf format modifier for 64-bit integers)
AC_TRY_RUN([main() { exit(!(sizeof(long long int) == sizeof(long int))); }],
[AC_MSG_RESULT(1)])
```
ISC_PLATFORM_QUADFORMAT="\define ISC_PLATFORM_QUADFORMAT "l""]

[AC_MSG_RESULT(ll)]

ISC_PLATFORM_QUADFORMAT="\define ISC_PLATFORM_QUADFORMAT "ll""]

[AC_MSG_RESULT(default ll)]

AC_SUBST(ISC_PLATFORM_QUADFORMAT)

#

# Security Stuff
#

AC_CHECK_FUNC(chroot, AC_DEFINE(HAVE_CHROOT))

#

# Security Stuff
#

AC_CHECK_FUNC(chroot, AC_DEFINE(HAVE_CHROOT))

# for accept, recvfrom, getpeername etc.
#

AC_MSG_CHECKING(for socket length type)

AC_TRY_COMPILE({
    #include <sys/types.h>
    #include <sys/socket.h>
    int accept(int, struct sockaddr *, socklen_t *);
};

[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T socklen_t"]

AC_MSG_RESULT(socklen_t)

AC_TRY_COMPILE({
    #include <sys/types.h>
    #include <sys/socket.h>
    int accept(int, struct sockaddr *, unsigned int *);
};

[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T unsigned int"]

AC_MSG_RESULT(unsigned int)

AC_TRY_COMPILE({
    #include <sys/types.h>
    #include <sys/socket.h>
    int accept(int, struct sockaddr *, unsigned long *);
};

[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T unsigned long"]

AC_MSG_RESULT(unsigned long)

AC_TRY_COMPILE({
    #include <sys/types.h>
    #include <sys/socket.h>
    int accept(int, struct sockaddr *, long *);
};

[ISC_SOCKLEN_T="#define ISC_SOCKLEN_T long"]

AC_MSG_RESULT(long)


ISC_SOCKLEN_T="#define ISC_SOCKLEN_T int"
AC_MSG_RESULT(int)
)))
AC_SUBST(ISC_SOCKLEN_T)

AC_CHECK_FUNC(getgrouplist,
AC_TRY_COMPILE(
[include <unistd.h>

int
getgrouplist(const char *name, int basegid, int *groups, int *ngroups) {
}
],
[return (0);],
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, int basegid, int *groups, int
*ngroups"
.
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, gid_t basegid, gid_t *groups, int
*ngroups"
),
GETGROUPLIST_ARGS="#define GETGROUPLIST_ARGS const char *name, gid_t basegid, gid_t *groups, int
*ngroups"
AC_DEFINE(NEED_GETGROUPLIST)
)
AC_SUBST(GETGROUPLIST_ARGS)

AC_CHECK_FUNC(setgrouperent,,AC_DEFINE(NEED_SETGROUPLIST))

AC_CHECK_FUNC(getnetbyaddr_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#define _OSF_SOURCE
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct netent *
getnetbyaddr_r(long net, int type, struct netent *result, char *buffer,
int buflen) {}
],
[return (0)],
[
NET_R_ARGS="#define NET_R_ARGS char *buf, int buflen"
NET_R_BAD="#define NET_R_BAD NULL"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS NET_R_ARGS"
NET_R_OK="#define NET_R_OK nptr"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
int getnetbyaddr_r (unsigned long int, int, struct netent *,
        char *, size_t, struct netent **, int *);

AC_TRY_COMPILE(  
    [  
        #undef _REENTRANT
        #define _REENTRANT
        #define _OSF_SOURCE
        #undef __USE_MISC
        #define __USE_MISC
        #include <netdb.h>
    ],
    [return (0)],
    [
    NET_R_ARGS="#define NET_R_ARGS char *buf, size_t buflen, struct netent **answerp, int *h_errnop"
    NET_R_BAD="#define NET_R_BAD ERANGE"
    NET_R_COPY="#define NET_R_COPY buf, buflen"
    NET_R_COPY_ARGS="#define NET_R_COPY_ARGS char *buf, size_t buflen"
    NET_R_OK="#define NET_R_OK 0"
    NET_R_SETANSWER="#define NET_R_SETANSWER 1"
    NET_R_RETURN="#define NET_R_RETURN int"
    GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T unsigned long int"
    NETENT_DATA="#undef NETENT_DATA"
    ],
    AC_TRY_COMPILE(  
        [  
            #undef _REENTRANT
            #define _REENTRANT
            #define _OSF_SOURCE
            #undef __USE_MISC
            #define __USE_MISC
            #include <netdb.h>
        ],
        [return (0)],
        [
        NET_R_ARGS="#define NET_R_ARGS struct netent_data *ndptr"
        NET_R_BAD="#define NET_R_BAD (-1)"
        NET_R_COPY="#define NET_R_COPY ndptr"
        NET_R_COPY_ARGS="#define NET_R_COPY_ARGS struct netent_data *ndptr"
        NET_R_OK="#define NET_R_OK 0"
        NET_R_SETANSWER="#define NET_R_SETANSWER"
        NET_R_RETURN="#define NET_R_RETURN int"
        GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T int"
        NETENT_DATA="#define NETENT_DATA 1"
AC_TRY_COMPILE(
#undef __USE_MISC
#define __USE_MISC
[#include <netdb.h>
int getnetbyaddr_r (long, int, struct netent *, struct netent_data *);
]
[return (0)],
]
NET_R_ARGS="#define NET_R_ARGS struct netent_data *ndptr"
NET_R_BAD="#define NET_R_BAD (-1)"
NET_R_COPY="#define NET_R_COPY ndptr"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS struct netent_data *ndptr"
NET_R_OK="#define NET_R_OK 0"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN int"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#define NETENT_DATA 1"
],
)
)
)
)
)
.
NET_R_ARGS="#define NET_R_ARGS char *buf, int buflen"
NET_R_BAD="#define NET_R_BAD NULL"
NET_R_COPY="#define NET_R_COPY buf, buflen"
NET_R_COPY_ARGS="#define NET_R_COPY_ARGS NET_R_ARGS"
NET_R_OK="#define NET_R_OK ndptr"
NET_R_SETANSWER="#undef NET_R_SETANSWER"
NET_R_RETURN="#define NET_R_RETURN struct netent *"
GETNETBYADDR_ADDR_T="#define GETNETBYADDR_ADDR_T long"
NETENT_DATA="#define NETENT_DATA"
)
)
)
)
)
)
)
)
.

AC_SUBST(NET_R_ARGS)
AC_SUBST(NET_R_BAD)
AC_SUBST(NET_R_COPY)
AC_SUBST(NET_R_COPY_ARGS)
AC_SUBST(NET_R_OK)
AC_SUBST(NET_R_SETANSWER)
AC_SUBST(NET_R_RETURN)
AC_SUBST(GETNETBYADDR_ADDR_T)
AC_SUBST(NETENT_DATA)
AC_CHECK_FUNC(setnetent_r,
AC_TRY_COMPILE(
[
"_REENTRANT",
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void setnetent_r (int);
],[return (0);],
NET_R_ENT_ARGS="#undef NET_R_ENT_ARGS /*empty*/"
NET_R_SET_RESULT="#undef NET_R_SET_RESULT /*empty*/"
NET_R_SET_RETURN="#define NET_R_SET_RETURN void"
],
AC_TRY_COMPILE(
[
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int setnetent_r(int, struct netent_data *);
],[return (0);],
NET_R_ENT_ARGS="#define NET_R_ENT_ARGS struct netent_data *ndptr"
NET_R_SET_RESULT="#define NET_R_SET_RESULT NET_R_OK"
NET_R_SET_RETURN="#define NET_R_SET_RETURN int"
],
);

AC_CHECK_FUNC(endnetent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void endnetent_r (void);
],[return (0);],
NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN="#define NET_R_END_RETURN void"
)
AC_SUBST(NET_R_ENT_ARGS)
AC_SUBST(NET_R_SET_RESULT)
AC_SUBST(NET_R_SET_RETURN)

AC_CHECK_FUNC(endnetent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void endnetent_r (void);
],[return (0);],
NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
NET_R_END_RETURN="#define NET_R_END_RETURN void"
],
AC_TRY_COMPILE(
[ #undef _REENTRANT
  #define _REENTRANT
 #undef __USE_MISC
 #define __USE_MISC
 #include <netdb.h>
 extern int endnetent_r(struct netent_data *);
 ],[return (0);],[
 NET_R_END_RESULT="#define NET_R_END_RESULT(x) return (x)"
 NET_R_END_RETURN="#define NET_R_END_RETURN int"
 ],
 AC_TRY_COMPILE(
 [ #undef _REENTRANT
  #define _REENTRANT
 #undef __USE_MISC
 #define __USE_MISC
 #include <netdb.h>
 extern void endnetent_r(struct netent_data *);
 ],[return (0);],[
 NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
 NET_R_END_RETURN="#define NET_R_END_RETURN void"
 ],

 NET_R_END_RESULT="#define NET_R_END_RESULT(x) /*empty*/"
 NET_R_END_RETURN="#define NET_R_END_RETURN void"
 )
 AC_SUBST(NET_R_END_RESULT)
 AC_SUBST(NET_R_END_RETURN)

 AC_CHECK_FUNC(getgrnam_r,,AC_DEFINE(NEED_GETGRNAM_R))
 AC_CHECK_FUNC(getgrgid_r,,AC_DEFINE(NEED_GETGRGID_R))

 AC_CHECK_FUNC(getgrent_r,
 AC_TRY_COMPILE(
 [ #include <grp.h>
 struct *getgrent_r(struct *grp, char *buffer,
   int buflen) {}
 ],[return (0);],[
 GROUP_R_ARGS="#define GROUP_R_ARGS char *buf, int buflen"
 GROUP_R_BAD="#define GROUP_R_BAD NULL"
 GROUP_R_OK="#define GROUP_R_OK gptr"
 GROUP_R_RETURN="#define GROUP_R_RETURN struct *"
 ],


GROUP_R_ARGS="#define GROUP_R_ARGS char *buf, int buflen"
GROUP_R_BAD="#define GROUP_R_BAD NULL"
GROUP_R_OK="#define GROUP_R_OK gptr"
GROUP_R_RETURN="#define GROUP_R_RETURN struct group *
AC_DEFINE(NEED_GETGRENT_R)
)
AC_SUBST(GROUP_R_ARGS)
AC_SUBST(GROUP_R_BAD)
AC_SUBST(GROUP_R_OK)
AC_SUBST(GROUP_R_RETURN)

AC_CHECK_FUNC(endgrent_r,
,
GROUP_R_END_RESULT="#define GROUP_R_END_RESULT(x) /*empty*/"
GROUP_R_END_RETURN="#define GROUP_R_END_RETURN void"
GROUP_R_ENT_ARGS="#define GROUP_R_ENT_ARGS void"
AC_DEFINE(NEED_ENDGRENT_R)
)
AC_SUBST(GROUP_R_END_RESULT)
AC_SUBST(GROUP_R_END_RETURN)
AC_SUBST(GROUP_R_ENT_ARGS)

AC_CHECK_FUNC(setgrent_r,
,
GROUP_R_SET_RESULT="#undef GROUP_R_SET_RESULT /*empty*/"
GROUP_R_SET_RETURN="#define GROUP_R_SET_RETURN void"
AC_DEFINE(NEED_SETGRENT_R)
)
AC_SUBST(GROUP_R_SET_RESULT)
AC_SUBST(GROUP_R_SET_RETURN)

AC_CHECK_FUNC(gethostbyname_r,
AC_TRY_COMPILE(
[  
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct hostent  *gethostbyname_r
(const char *name, struct hostent *hp, char *buf, int len, int *h_errnop) { }
],
[return (0);],
[  
HOST_R_ARGS="#define HOST_R_ARGS char *buf, int buflen, int *h_errnop"
HOST_R_BAD="#define HOST_R_BAD NULL"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errno = h_errno"
HOST_R_OK="#define HOST_R_OK hptr"
HOST_R_RETURN="#define HOST_R_RETURN struct hostent *"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#undef HOSTENT_DATA"

AC_TRY_COMPILE(
  #undef __USE_MISC
  #define __USE_MISC
  #include <netdb.h>
  int gethostbyname_r(const char *name,
      struct hostent *result,
      struct hostent_data *hdptr);
},

HOST_R_ARGS="#define HOST_R_ARGS struct hostent_data *hdptr"
HOST_R_BAD="#define HOST_R_BAD (-1)"
HOST_R_COPY="#define HOST_R_COPY hdptr"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS HOST_R_ARGS"
HOST_R_ERRNO="#define HOST_R_ERRNO NULL"
HOST_R_OK="#define HOST_R_OK 0"
HOST_R_RETURN="#define HOST_R_RETURN int"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#define HOSTENT_DATA 1"

AC_TRY_COMPILE(
  #undef __USE_MISC
  #define __USE_MISC
  #include <netdb.h>
  extern int gethostbyname_r (const char *,
      struct hostent *,
      char *, size_t,
      struct hostent **,
      int *);
},

HOST_R_ARGS="#define HOST_R_ARGS char *buf, size_t buflen, struct hostent **answerp, int *h_errno"
HOST_R_BAD="#define HOST_R_BAD ERANGE"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errno = h_errno"
HOST_R_OK="#define HOST_R_OK 0"
HOST_R_RETURN="#define HOST_R_RETURN int"
HOST_R_SETANSWER="#define HOST_R_SETANSWER 1"
HOSTENT_DATA="#undef HOSTENT_DATA"

"
HOST_R_ARGS="#define HOST_R_ARGS char *buf, int buflen, int *h_errno"
HOST_R_BAD="#define HOST_R_BAD NULL"
HOST_R_COPY="#define HOST_R_COPY buf, buflen"
HOST_R_COPY_ARGS="#define HOST_R_COPY_ARGS char *buf, int buflen"
HOST_R_ERRNO="#define HOST_R_ERRNO *h_errno = h_errno"
HOST_R_OK="#define HOST_R_OK hptr"
HOST_R_RETURN="#define HOST_R_RETURN struct hostent *"
HOST_R_SETANSWER="#undef HOST_R_SETANSWER"
HOSTENT_DATA="#undef HOSTENT_DATA"
)
AC_SUBST(HOST_R_ARGS)
AC_SUBST(HOST_R_BAD)
AC_SUBST(HOST_R_COPY)
AC_SUBST(HOST_R_COPY_ARGS)
AC_SUBST(HOST_R_ERRNO)
AC_SUBST(HOST_R_OK)
AC_SUBST(HOST_R_RETURN)
AC_SUBST(HOST_R_SETANSWER)
AC_SUBST(HOSTENT_DATA)

AC_CHECK_FUNC(endhostent_r,
AC_TRY_COMPILE({
#undef _REENTRANT
define _REENTRANT
#undef __USE_MISC
define __USE_MISC
#include <netdb.h>
int endhostent_r(struct hostent_data *buffer);
},
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) return (x)"
HOST_R_END_RETURN="#define HOST_R_END_RETURN int"
HOST_R_ENT_ARGS="#define HOST_R_ENT_ARGS struct hostent_data *hdptr"
},
AC_TRY_COMPILE({
#undef _REENTRANT
define _REENTRANT
#undef __USE_MISC
define __USE_MISC
#include <netdb.h>
extern void endhostent_r(struct hostent_data *ht_data);
},
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x)"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#define HOST_R_ENT_ARGS struct hostent_data *hdptr"
},
AC_TRY_COMPILE({
#undef _REENTRANT
define _REENTRANT
#include <netdb.h>

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#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void endhostent_r(void);
],[
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) /*empty*/"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#undef HOST_R_ENT_ARGS /*empty*/"
],
)
HOST_R_END_RESULT="#define HOST_R_END_RESULT(x) /*empty*/"
HOST_R_END_RETURN="#define HOST_R_END_RETURN void"
HOST_R_ENT_ARGS="#undef HOST_R_ENT_ARGS /*empty*/"
)
AC_SUBST(HOST_R_END_RESULT)
AC_SUBST(HOST_R_END_RETURN)
AC_SUBST(HOST_R_ENT_ARGS)

AC_CHECK_FUNC(sethostent_r,
AC_TRY_COMPILE([
#define _REENTRANT
#define _REENTRANT
#define __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern void sethostent_r(int flag, struct hostent_data *ht_data);],[]),
[HOST_R_SET_RESULT="#define HOST_R_SET_RESULT /*empty*/"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN int"
],
AC_TRY_COMPILE([
#define _REENTRANT
#define _REENTRANT
#define __USE_MISC
#define __USE_MISC
#include <netdb.h>
extern int sethostent_r(int flag, struct hostent_data *ht_data);],[]),
[HOST_R_SET_RESULT="#define HOST_R_SET_RESULT 0"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN int"
],
AC_TRY_COMPILE([
#define _REENTRANT
#define _REENTRANT
#define __USE_MISC
#define __USE_MISC
#include <netdb.h>
void sethostent_r (int);],[]),
[HOST_R_SET_RESULT="#define HOST_R_SET_RESULT"

HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void",
)
)

HOST_R_SET_RESULT="#undef HOST_R_SET_RESULT"
HOST_R_SET_RETURN="#define HOST_R_SET_RETURN void"
)
AC_SUBST(HOST_R_SET_RESULT)
AC_SUBST(HOST_R_SET_RETURN)

AC_MSG_CHECKING(struct passwd element pw_class)
AC_TRY_COMPILE(
#include <sys/types.h>
#include <pwd.h>
],
[struct passwd *pw; pw->pw_class = ":";],
AC_MSG_RESULT(yes)
AC_DEFINE(HAS_PW_CLASS)
,
AC_MSG_RESULT(no)
)

AC_TRY_COMPILE(
#include <sys/types.h>
#include <pwd.h>
void
setpwent(void) {}
],
[return (0);],
SETPWENT_VOID="#define SETPWENT_VOID 1"
,
SETPWENT_VOID="#undef SETPWENT_VOID"
)
AC_SUBST(SETPWENT_VOID)

AC_TRY_COMPILE(
#include <sys/types.h>
#include <grp.h>
void
setgrent(void) {}
],
[return (0);],
SETGRENT_VOID="#define SETGRENT_VOID 1"
,
SETGRENT_VOID="#undef SETGRENT_VOID"
)
AC_SUBST(SETGRENT_VOID)
#include <netdb.h>

int getnetgrent_r(char **m, char **u, char **d, char *b, int l) {}


#define NGR_R_ARGS char *buf, int buflen
#define NGR_R_BAD (0)
#define NGR_R_COPY buf, buflen
#define NGR_R_COPY_ARGS NGR_R_ARGS
#define NGR_R_OK 1
#define NGR_R_RETURN int

AC_TRY_COMPILE(  
  #undef __USE_MISC  
  #define __USE_MISC  
  #include <netdb.h>  
  int getnetgrent_r(char **m, char **u, char **d, char *b, size_t l) {}  
)


#define NGR_R_ARGS char *buf, size_t buflen
#define NGR_R_BAD (0)
#define NGR_R_COPY buf, buflen
#define NGR_R_COPY_ARGS NGR_R_ARGS
#define NGR_R_OK 1
#define NGR_R_RETURN int

AC_TRY_COMPILE(  
  #undef __USE_MISC  
  #define __USE_MISC  
  #include <netdb.h>  
  extern int getnetgrent_r( char **, char **, char **, void **);  
)


NGR_R_ARGS="#define NGR_R_ARGS void **buf"
NGR_R_BAD="#define NGR_R_BAD (0)"
NGR_R_COPY="#define NGR_R_COPY buf"
NGR_R_COPY_ARGS="#define NGR_R_COPY_ARGS NGR_R_ARGS"
NGR_R_OK="#define NGR_R_OK 1"
NGR_R_RETURN="#define NGR_R_RETURN int"
NGR_R_PRIVATE="#define NGR_R_PRIVATE 1"
"

AC_SUBST(NGR_R_ARGS)
AC_SUBST(NGR_R_BAD)
AC_SUBST(NGR_R_COPY)
AC_SUBST(NGR_R_COPY_ARGS)
AC_SUBST(NGR_R_OK)
AC_SUBST(NGR_R_RETURN)
AC_SUBST(NGR_R_PRIVATE)

AC_CHECK_FUNC(endnetgrent_r,
NGR_R_END_RESULT="#define NGR_R_END_RESULT(x) return (x)"
NGR_R_END_RETURN="#define NGR_R_END_RETURN int"
NGR_R_ENT_ARGS="#define NGR_R_ENT_ARGS NGR_R_ARGS"
"
NGR_R_END_RESULT="#define NGR_R_END_RESULT(x) /*empty*/"
NGR_R_END_RETURN="#define NGR_R_END_RETURN void"
NGR_R_ENT_ARGS="#undef NGR_R_ENT_ARGS /*empty*/"
AC_DEFINE(NEED_ENDNETGRENT_R)
)
AC_SUBST(NGR_R_END_RESULT)
AC_SUBST(NGR_R_END_RETURN)
AC_SUBST(NGR_R_ENT_ARGS)

AC_CHECK_FUNC(setnetgrent_r,
[ case "$host" in
 *bsd*)
NGR_R_SET_RESULT="#undef NGR_R_SET_RESULT /*empty*/"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN void"
NGR_R_SET_RESULT="#define NGR_R_SET_RESULT NGR_R_OK"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN int"

esac
]

NGR_R_SET_RESULT="#undef NGR_R_SET_RESULT /*empty*/"
NGR_R_SET_RETURN="#define NGR_R_SET_RETURN void"

AC_SUBST(NGR_R_SET_RESULT)
AC_SUBST(NGR_R_SET_RETURN)

AC_CHECK_FUNC(innetgr_r,,AC_DEFINE(NEED_INNETGR_R))

AC_CHECK_FUNC(getprotoent_r,
AC_TRY_COMPILE(
[
  #undef __USE_MISC
  #define __USE_MISC
  #include <netdb.h>
  struct protoent *getprotoent_r(struct protoent *result,
     char *buffer, int buflen) {}
]
,
  [return (0);]
,
  [PROTO_R_ARGS="#define PROTO_R_ARGS char *buf, int buflen"
       PROTO_R_BAD="#define PROTO_R_BAD NULL"
       PROTO_R_COPY="#define PROTO_R_COPY buf, buflen"
       PROTO_R_COPY_ARGS="#define PROTO_R_COPY_ARGS PROTO_R_ARGS"
       PROTO_R_OK="#define PROTO_R_OK pptr"
       PROTO_R_SETANSWER="#undef PROTO_R_SETANSWER"
       PROTO_R_RETURN="#define PROTO_R_RETURN struct protoent *"
]
,
  AC_TRY_COMPILE(
[
    #undef __USE_MISC
    #define __USE_MISC
    #include <netdb.h>
    int getprotoent_r (struct protoent *, char *, size_t, struct protoent **);
]
,
  [return (0);]
)
AC_SUBST(PROTO_R_ARGS)
AC_SUBST(PROTO_R_BAD)
AC_SUBST(PROTO_R_COPY)
AC_SUBST(PROTO_R_COPY_ARGS)
AC_SUBST(PROTO_R_OK)
AC_SUBST(PROTO_R_SETANSWER)
AC_SUBST(PROTO_R_RETURN)

AC_CHECK_FUNC(endprotoent_r,
AC_TRY_COMPILE(
[  
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void endprotoent_r(void);
]
)..,
[  
PROTO_R_END_RESULT=#define PROTO_R_END_RESULT(x) /*empty*/
PROTO_R_END_RETURN=#define PROTO_R_END_RETURN void
PROTO_R_ENT_ARGS=#define PROTO_R_ENT_ARGS(buf, buflen)
]
,.}
AC_TRY_COMPILE([
#include <pwd.h>
int setpwent_r(FILE **pwfp);
],
PASS_R_SET_RESULT="#define PASS_R_SET_RESULT 0"
PASS_R_SET_RETURN="#define PASS_R_SET_RETURN int"
,
)
PASS_R_SET_RESULT="#undef PASS_R_SET_RESULT /*empty*/"
PASS_R_SET_RETURN="#define PASS_R_SET_RETURN void"
AC_DEFINE(NEED_SETPWENT_R)
)
AC_SUBST(PASS_R_SET_RESULT)
AC_SUBST(PASS_R_SET_RETURN)

AC_CHECK_FUNC(getpwnam_r, AC_DEFINE(NEED_GETPWNAM_R))
AC_CHECK_FUNC(getpwuid_r, AC_DEFINE(NEED_GETPWUID_R))

AC_CHECK_FUNC(getservent_r,
AC_TRY_COMPILE({
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
struct servent *
getservent_r(struct servent *result, char *buffer, int buflen) {}
},[return (0);],
SERV_R_ARGS="#define SERV_R_ARGS char *buf, int buflen"
SERV_R_BAD="#define SERV_R_BAD ERANGE"
SERV_R_COPY="#define SERV_R_COPY buf, buflen"
SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS SERV_R_ARGS"
SERV_R_OK="#define SERV_R_OK sptr"
SERV_R_SETANSWER="#undef SERV_R_SETANSWER"
SERV_R_RETURN="#define SERV_R_RETURN struct servent *"
}
,
AC_TRY_COMPILE({
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
int
getservent_r (struct servent *, char *, size_t, struct servent **); 
},[return (0);],
SERV_R_ARGS="#define SERV_R_ARGS char *buf, size_t buflen, struct servent **answerp"
SERV_R_BAD="#define SERV_R_BAD ERANGE"
SERV_R_COPY="#define SERV_R_COPY buf, buflen"
SERV_R_COPY_ARGS="#define SERV_R_COPY_ARGS char *buf, size_t buflen"
SERV_R_OK="#define SERV_R_OK (0)"
SERV_R_SETANSWER="#define SERV_R_SETANSWER 1"
SERV_R_RETURN="#define SERV_R_RETURN int"

AC_SUBST(SERV_R_ARGS)
AC_SUBST(SERV_R_BAD)
AC_SUBST(SERV_R_COPY)
AC_SUBST(SERV_R_COPY_ARGS)
AC_SUBST(SERV_R_OK)
AC_SUBST(SERV_R_SETANSWER)
AC_SUBST(SERV_R_RETURN)

AC_CHECK_FUNC(endservent_r,
AC_TRY_COMPILE(

SERV_R_END_RESULT="#define SERV_R_END_RESULT(x) /*empty*/"
SERV_R_END_RETURN="#define SERV_R_END_RETURN void "
SERV_R_ENT_ARGS="#undef SERV_R_ENT_ARGS /*empty*/"


SERV_R_ENT_ARGS="#undef SERV_R_ENT_ARGS /*empty*/"

AC_SUBST(SERV_R_END_RESULT)
AC_SUBST(SERV_R_END_RETURN)
AC_SUBST(SERV_R_ENT_ARGS)

AC_CHECK_FUNC(setservent_r,
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <netdb.h>
void            setservent_r(int);
]
,,
[
SERV_R_SET_RESULT="#undef SERV_R_SET_RESULT"
SERV_R_SET_RETURN="#define SERV_R_SET_RETURN void"
]
.
)

SERV_R_SET_RESULT="#undef SERV_R_SET_RESULT"
SERV_R_SET_RETURN="#define SERV_R_SET_RETURN void"

AC_SUBST(SERV_R_SET_RESULT)
AC_SUBST(SERV_R_SET_RETURN)

AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>
int innetgr(const char *netgroup, const char *host, const char *user, const char *domain);
]
,,
[
INNETGR_ARGS="#undef INNETGR_ARGS"
]
.
AC_TRY_COMPILE(
[
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#define __USE_MISC
#include <unistd.h>
#include <netdb.h>

int innetgr(char *netgroup, char *host, char *user, char *domain);
]
```
```

INNETGR_ARGS="#define INNETGR_ARGS char *netgroup, char *host, char *user, char *domain"
]
.
```
```
AC_TRY_COMPILE(
[
#undef_REENTRANT
#define_REENTRANT
#undef__USE_MISC
#define__USE_MISC
#include <unistd.h>
#include <netdb.h>
void setnetgrent(const char *);
]
```
```
```

SETNETGRENT_ARGS="#define SETNETGRENT_ARGS char *netgroup"
]
.
```
```
AC_TRY_COMPILE(
[
#undef_REENTRANT
#define_REENTRANT
#undef__USE_MISC
#define__USE_MISC
#include <unistd.h>
#include <netdb.h>
void setnetgrent(char *);
]
```
```
```

SETNETGRENT_ARGS="#define SETNETGRENT_ARGS char *netgroup"
]
.
```
```
AC_SUBST(SETNETGRENT_ARGS)
AC_SUBST(INNETGR_ARGS)
# Random remaining OS-specific issues involving compiler warnings.
# XXXDCL print messages to indicate some compensation is being done?
#
AC_SUBST(ISC_PLATFORM_BRACEPTHREADONCEINIT)
ISC_PLATFORM_BRACEPTHREADONCEINIT="#undef ISC_PLATFORM_BRACEPTHREADONCEINIT"
BROKEN_IN6ADDR_INIT_MACROS="#undef BROKEN_IN6ADDR_INIT_MACROS"

case '"$host" in
  *-bsdi3.1*)
  hack_shutup_sputaux=yes
  ::
  *-bsdi4.0*)
  hack_shutup_sigwait=yes
  hack_shutup_sputaux=yes
  hack_shutup_in6addr_init_macros=yes
  ::
  *-bsdi4.1*)
  hack_shutup_stdargcast=yes
  ::
  *-solaris2.8)
  hack_shutup_pthreadonceinit=yes
  hack_shutup_in6addr_init_macros=yes
  ::
  esac

case '"$hack_shutup_pthreadonceinit" in
  yes)
  #
  # Shut upPTHREAD_ONCE_INIT unbraced initializer warnings.
  #
  ISC_PLATFORM_BRACEPTHREADONCEINIT="#define ISC_PLATFORM_BRACEPTHREADONCEINIT 1"
  ::
  esac

case '"$hack_shutup_sigwait" in
  yes)
  #
  # Shut up a -Wmissing-prototypes warning for sigwait().
  #
  AC_DEFINE(SHUTUP_SIGWAIT)
  ::
  esac

case '"$hack_shutup_sputaux" in
  yes)
  #
  # Shut up a -Wmissing-prototypes warning from <stdio.h>.
AC_DEFINE(SHUTUP_SPUTAUX)
;;
esac

case "$hack_shutup_stdargcast" in
  yes)
#  # Shut up a -Wcast-qual warning from va_start().
#  AC_DEFINE(SHUTUP_STDARG_CAST)
  ;;  esac

case "$hack_shutup_in6addr_init_macros" in
  yes)
  AC_DEFINE(BROKEN_IN6ADDR_INIT_MACROS)
  ;;
esac

#  # Substitutions
#
AC_SUBST(BIND9_TOP_BUILDDIR)
BIND9_TOP_BUILDDIR=`pwd`

AC_SUBST_FILE(BIND9_INCLUDES)
BIND9_INCLUDES=$BIND9_TOP_BUILDDIR/make/includes

AC_SUBST_FILE(BIND9_MAKE_RULES)
BIND9_MAKE_RULES=$BIND9_TOP_BUILDDIR/make/rules

. $srcdir/../../version
BIND9_VERSION="VERSION=${MAJORVER}.${MINORVER}.${PATCHVER}${RELEASETYPE}${RELEASEVER}"  
AC_SUBST(BIND9_VERSION)

AC_SUBST_FILE(LIBBIND_API)
LIBBIND_API=$srcdir/api

AC_OUTPUT(
make/rules
make/mkdep
make/includes
Makefile
bsd/Makefile
dst/Makefile
include/Makefile
inet/Makefile
irs/Makefile
isc/Makefile
nameser/Makefile
port_after.h
port_before.h
resolv/Makefile
port/Makefile
${PORT_DIR}/Makefile
${PORT_INCLUDE}/Makefile

# Tell Emacs to edit this file in shell mode.
# Local Variables:
# mode: sh
# End:

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<!-- $Id: lwres_context.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<!DOCTYPE refentry PUBLIC "-/OASIS//DTD DocBook V4.1//EN">

<refentry><refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo></refentry>
<refentrytitle>lwres_context</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>

<refnamediv>
<refname>lwres_context_create</refname>
<refname>lwres_context_destroy</refname>
<refname>lwres_context_nextserial</refname>
<refname>lwres_context_initserial</refname>
<refname>lwres_context_freemem</refname>
<refname>lwres_context_allocmem</refname>
<refname>lwres_context_sendrecv</refname>
<refpurpose>lightweight resolver context management</refpurpose>
</refnamediv>

<refsynopsisdiv>
<funcsynopsis>
#include &lt;lwres/lwres.h&gt;</funcsynopsisinfo>
</funcprototype>

<funcdef>
lwres_result_t
<function>lwres_context_create</function></funcdef>
<paramdef>lwres_context_t **contextp</paramdef>
<paramdef>void *arg</paramdef>
<paramdef>lwres_malloc_t malloc_function</paramdef>
<paramdef>lwres_free_t free_function</paramdef>
</funcprototype>

<funcdef>
lwres_result_t
<function>lwres_context_destroy</function></funcdef>
<paramdef>lwres_context_t **contextp</paramdef>
</funcprototype>

<funcdef>
void
<function>lwres_context_initserial</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_uint32_t serial</paramdef>
</funcprototype>

<funcdef>
lwres_uint32_t
<function>lwres_context_nextserial</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>

void
<function>lwres_context_freemem</function>

<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>void *mem</paramdef>
<paramdef>size_t len</paramdef>

</funcprototype>

<funcprototype>
<funcdef>
void
<function>lwres_context_allocmem</function></funcdef>

<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>size_t len</paramdef>

</funcprototype>

<funcprototype>
<funcdef>
void *
<function>lwres_context_sendrecv</function></funcdef>

<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>void *sendbase</paramdef>
<paramdef>int sendlen</paramdef>
<paramdef>void *recvbase</paramdef>
<paramdef>int recvlgn</paramdef>
<paramdef>int *recvd_len</paramdef>

</funcprototype>

<funcsynopsis>
</refsynopsisdiv>
</refsect1>

<title>DESCRIPTION</title>

<para>
<function>lwres_context_create()</function> creates a <type>lwres_context_t</type> structure for use in lightweight resolver operations. It holds a socket and other data needed for communicating with a resolver daemon. The new <type>lwres_context_t</type> is returned through <parameter>contextp</parameter>, a pointer to a <type>lwres_context_t</type> pointer. This <type>lwres_context_t</type> pointer must initially be NULL, and is modified to point to the newly created <type>lwres_context_t</type>.
</para>
When the lightweight resolver needs to perform dynamic memory allocation, it will call
<parameter>malloc_function</parameter> to allocate memory and
<parameter>free_function</parameter> to free it. If
<parameter>malloc_function</parameter> and
<parameter>free_function</parameter> are NULL, memory is allocated using
.Xr malloc 3
and
<citerefentry>
<refentrytitle>free</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.

It is not permitted to have a NULL
<parameter>malloc_function</parameter> and a non-NULL
<parameter>free_function</parameter> or vice versa.
<parameter>arg</parameter> is passed as the first parameter to the memory allocation functions.
If
<parameter>malloc_function</parameter> and
<parameter>free_function</parameter> are NULL,
<parameter>arg</parameter> is unused and should be passed as NULL.
</para>
<para>
Once memory for the structure has been allocated,
it is initialized using
<citerefentry>
<refentrytitle>lwres_conf_init</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>

and returned via
<parameter>*contextp</parameter>.
</para>
<function>lwres_context_destroy()</function> destroys a <type>lwres_context_t</type>, closing its socket.

<parameter>contextp</parameter> is a pointer to a pointer to the context that is to be destroyed. The pointer will be set to NULL when the context has been destroyed.

The context holds a serial number that is used to identify resolver request packets and associate responses with the corresponding requests. This serial number is controlled using <function>lwres_context_initserial()</function> and <function>lwres_context_nextserial()</function>. <function>lwres_context_initserial()</function> sets the serial number for context <parameter>*ctx</parameter> to <parameter>serial</parameter>. 

<function>lwres_context_nextserial()</function> increments the serial number and returns the previous value.

Memory for a lightweight resolver context is allocated and freed using <function>lwres_context_allocmem()</function> and <function>lwres_context_freemem()</function>. These use whatever allocations were defined when the context was created with <function>lwres_context_create()</function>. <function>lwres_context_allocmem()</function> allocates <parameter>len</parameter> bytes of memory and if successful returns a pointer to the allocated storage. <function>lwres_context_freemem()</function> frees <parameter>len</parameter> bytes of space starting at location <parameter>mem</parameter>.

<function>lwres_context_sendrecv()</function> performs I/O for the context.
Data are read and written from the context’s socket. It writes data from
<parameter>sendbase</parameter>—typically a lightweight resolver query packet—and waits for a reply which is copied to the receive buffer at <parameter>recvbase</parameter>.

The number of bytes that were written to this receive buffer is returned in <parameter>*recvd_len</parameter>.

<function>lwres_context_create()</function> returns <errorcode>LWRES_R_NOMEMORY</errorcode> if memory for the <type>struct lwres_context</type> could not be allocated, <errorcode>LWRES_R_SUCCESS</errorcode> otherwise.

Successful calls to the memory allocator <function>lwres_context_allocmem()</function> return a pointer to the start of the allocated space. It returns NULL if memory could not be allocated.

<function>lwres_context_sendrecv()</function> completes successfully. <errorcode>LWRES_R_IOERROR</errorcode> is returned if an I/O error occurs and <errorcode>LWRES_R_TIMEOUT</errorcode> is returned if <function>lwres_context_sendrecv()</function> times out waiting for a response.
<para>
<citerefentry>
<refentrytitle>lwres_conf_init</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
</para>
<citerefentry>
<refentrytitle>malloc</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
<citerefentry>
<refentrytitle>free</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.

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; $Id: bindevt.mc,v 1.1 2004/11/03 01:39:06 abstine Exp $

MessageIdTypedef=DWORD

LanguageNames = (English=0x409:MSG00409)

OutputBase = 16

MessageId=0x1
Severity=Error
Facility=Application
SymbolicName=BIND_ERR_MSG
Language=English
%1

MessageId=0x2
Severity=Warning
Facility=Application
SymbolicName=BIND_WARN_MSG
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/resolv/res_mkupdate.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/isc/ctl_srvr.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/isc/ctl_p.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/include/isc/ctl.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/inet/inet_cidr_pton.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/inet/inet_cidr_ntop.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/isc/ctl_clnt.c

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/lcl_ho.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/dns_ho.c

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* * *

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/parseint.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/syslog.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/getaddresses.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/strerror.c
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   */

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   * /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/isc/hex.c
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   /*
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/inet/inet_lnaof.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/inet/inet_ntoa.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/bind/inet/inet_network.c

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"
" $Id: lwres_gabn.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
"

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# $Id: includes.in,v 1.1 2004/11/03 01:39:04 abstine Exp $

# Search for machine-generated header files in the build tree,
# and for normal headers in the source tree (${top_srcdir}).
# We only need to look in OS-specific subdirectories for the
# latter case, because there are no machine-generated OS-specific
# headers.

ISC_INCLUDES = @BIND9_ISC_BUILDINCLUDE@ \ 
-Is{top_srcdir}/lib/isc \ 
-Is{top_srcdir}/lib/isc/include \ 
-Is{top_srcdir}/lib/isc/unix/include \ 
-Is{top_srcdir}/lib/isc/@ISC_THREAD_DIR@/include

ISCCFG_INCLUDES = @BIND9_ISCCFG_BUILDINCLUDE@ \ 
-Is{top_srcdir}/lib/isccfg/include

DNS_INCLUDES = @BIND9_DNS_BUILDINCLUDE@ \ 
-Is{top_srcdir}/lib/dns/include \ 
-Is{top_srcdir}/lib/dns/sec/dst/include

OMAPI_INCLUDES = @BIND9_OMAPI_BUILDINCLUDE@ \ 
-Is{top_srcdir}/lib/omapi/include

LWRES_INCLUDES = @BIND9_LWRES_BUILDINCLUDE@ \ 
-Is{top_srcdir}/lib/lwres/include

TEST_INCLUDES = \ 
-Is{top_srcdir}/lib/tests/include

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/* $Id: platform.h.in,v 1.1 2004/11/03 01:39:05 abstine Exp $ */

#ifndef ISC_PLATFORM_H
#define ISC_PLATFORM_H 1

/*****
***** Platform-dependent defines.
*****/
/*
 * Define if this system needs the <netinet/in6.h> header file included
 * for full IPv6 support (pretty much only UnixWare).
 */
@ISC_PLATFORM_NEEDINETINET6H@

/*
 * Define if this system needs the <netinet6/in6.h> header file included
 * to support in6_p FileInfo (pretty much only BSD/OS).
 */
@ISC_PLATFORM_NEEDINETINET6IN6H@

/*
 * If sockaddr on this system have an sa_len field, ISC_PLATFORM_HAVESALEN
 * will be defined.
 */
@ISC_PLATFORM_HAVESALEN@

/*
 * If this system has the IPv6 structure definitions, ISC_PLATFORM_HAVEIPV6
 * will be defined.
 */
@ISC_PLATFORM_HAVEIPV6@

/*
 * If this system is missing in6addr_any, ISC_PLATFORM_NEEDIN6ADDRANY will
 * be defined.
 */
@ISC_PLATFORM_NEEDIN6ADDRANY@

/*
 * If this system is missing in6addr_loopback, ISC_PLATFORM_NEEDIN6ADDRLOOPBACK
 * will be defined.
 */
@ISC_PLATFORM_NEEDIN6ADDRLOOPBACK@

/*
 * If this system has in6_pktinfo, ISC_PLATFORM_HAVEIN6PKTINFO will be
 * defined.
 */
@ISC_PLATFORM_HAVEIN6PKTINFO@
* If this system has in_addr6, rather than in6_addr, ISC_PLATFORM_HAVEINADDR6
* will be defined.
* /
@ISC_PLATFORM_HAVEINADDR6@

/*
* If this system has sin6_scope_id, ISC_PLATFORM_HAVESCOPEID will be defined.
* /
@ISC_PLATFORM_HAVESCOPEID@

/*
* If this system needs inet_ntop(), ISC_PLATFORM_NEEDNTOP will be defined.
* /
@ISC_PLATFORM_NEEDNTOP@

/*
* If this system needs inet_pton(), ISC_PLATFORM_NEEDPTON will be defined.
* /
@ISC_PLATFORM_NEEDPTON@

/*
* If this system needs inet_aton(), ISC_PLATFORM_NEEDATON will be defined.
* /
@ISC_PLATFORM_NEEDATON@

/*
* If this system needs in_port_t, ISC_PLATFORM_NEEDPORTT will be defined.
* /
@ISC_PLATFORM_NEEDPORTT@

/*
* If the system needs strsep(), ISC_PLATFORM_NEEDSTRSEP will be defined.
* /
@ISC_PLATFORM_NEEDSTRSEP@

/*
* If the system needs strlcpy(), ISC_PLATFORM_NEEDSTRLCPY will be defined.
* /
@ISC_PLATFORM_NEEDSTRLCPY@

/*
* If the system needs strlcat(), ISC_PLATFORM_NEEDSTRLCAT will be defined.
* /
@ISC_PLATFORM_NEEDSTRLCAT@

/*
* Define either ISC_PLATFORM_BSD44MSGHDR or ISC_PLATFORM_BSD43MSGHDR.
* /

/**
 * Define if PTHREAD_ONCE_INIT should be surrounded by braces to
 * prevent compiler warnings (such as with gcc on Solaris 2.8).
 */
@ISC_PLATFORM_BRACEPTHREADONCEINIT@

/**
 * Define on some UnixWare systems to fix erroneous definitions of various
 * IN6_IS_ADDR_* macros.
 */
@ISC_PLATFORM_FIXIN6ISADDR@

/****
 **** Printing.
 ****/

/**
 * If this system needs vsnprintf() and snprintf(), ISC_PLATFORM_NEEDVSNPRINTF
 * will be defined.
 */
@ISC_PLATFORM_NEEDVSNPRINTF@

/**
 * If this system need a modern sprintf() that returns (int) not (char*).
 */
@ISC_PLATFORM_NEEDSPRINTF@

/**
 * The printf format string modifier to use with isc_uint64_t values.
 */
@ISC_PLATFORM_QUADFORMAT@

/**
 * Defined if we are using threads.
 */
@ISC_PLATFORM_USETHREADS@

/**
 * Defined if unistd.h does not cause fd_set to be declared.
 */
@ISC_PLATFORM_NEEDSYSSELECTH@

/**
 * Type used for resource limits.
 */
@ISC_PLATFORM_RLIMITTYPE@
/*
 * Define if your compiler supports "long long int".
 */
@ISC_PLATFORM_HAVELONGLONG@

/*
 * Define if the system has struct lifconf which is a extended struct ifconf
 * for IPv6.
 */
@ISC_PLATFORM_HAVELIFCONF@

/*
 * Define if the system has struct if_laddrconf which is a extended struct
 * ifconf for IPv6.
 */
@ISC_PLATFORM_HAVEIF_LADDRCONF@

/*
 * Define if the system has struct if_laddrreq.
 */
@ISC_PLATFORM_HAVEIF_LADDRREQ@

/*
 * Used to control how extern data is linked; needed for Win32 platforms.
 */
@ISC_PLATFORM_USEDECLSPEC@

/*
 * Define if the system supports if_nametoindex.
 */
@ISC_PLATFORM_HAVEIFNAMETOINDEX@

/*
 * Define if this system needs strtoul.
 */
@ISC_PLATFORM_NEEDEDSTRTOUL@

/*
 * Define if this system needs memmove.
 */
@ISC_PLATFORM_NEEDMEMMOVE@

#ifndef ISC_PLATFORM_USEDECLSPEC
#define LIBISC_EXTERNAL_DATA
#define LIBDNS_EXTERNAL_DATA
#define LIBISCCC_EXTERNAL_DATA
#define LIBISCCFG_EXTERNAL_DATA
#endif
#define LIBBIND9_EXTERNAL_DATA
#else /* ISC_PLATFORM_USEDECLSPEC */
#endif
#endif /* ISC_PLATFORM_H */

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/opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isccfg/namedconf.c
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<refnamediv>
<refname>lwres_gethostbyname</refname>
<refname>lwres_gethostbyname2</refname>
<refname>lwres_gethostbyaddr</refname>
<refname>lwres_gethostent</refname>
<refname>lwres_sethostent</refname>
<refname>lwres_endhostent</refname>
<refname>lwres_gethostbyname_r</refname>
<refname>lwres_gethostbyaddr_r</refname>
<refname>lwres_gethostent_r</refname>
<refname>lwres_sethostent_r</refname>
<refname>lwres_endhostent_r</refname>
<refpurpose>lightweight resolver get network host entry</refpurpose>
</refnamediv>

<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>
#include &lt;lwres/netdb.h&gt;</funcsynopsisinfo>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyname</function></funcdef>
<paramdef>const char *name</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyname2</function></funcdef>
<paramdef>const char *name</paramdef>
<paramdef>int af</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyaddr</function></funcdef>
<paramdef>const char *addr</paramdef>
<paramdef>int len</paramdef>
<paramdef>int type</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostent</function></funcdef>
<paramdef>void</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_sethostent</function></funcdef>
<paramdef>int stayopen</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_endhostent</function></funcdef>
<paramdef>void</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyname_r</function></funcdef>
<paramdef>const char *name</paramdef>
<paramdef>struct hostent *resbuf</paramdef>
<paramdef>char *buf</paramdef>
<paramdef>int buflen</paramdef>
<paramdef>int *error</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostbyaddr_r</function></funcdef>
<paramdef>const char *addr</paramdef>
<paramdef>int len</paramdef>
<paramdef>int type</paramdef>
<paramdef>struct hostent *resbuf</paramdef>
<paramdef>char *buf</paramdef>
<paramdef>int buflen</paramdef>
<paramdef>int *error</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_gethostent_r</function></funcdef>
<paramdef>struct hostent *resbuf</paramdef>
<paramdef>char *buf</paramdef>
<paramdef>int buflen</paramdef>
<paramdef>int *error</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_sethostent_r</function></funcdef>
<paramdef>int stayopen</paramdef>
</funcprototype>
These functions provide hostname-to-address and address-to-hostname lookups by means of the lightweight resolver. They are similar to the standard functions provided by most operating systems. They use a structure defined in which is usually defined in

```
struct hostent {
    char *h_name; /* official name of host */
    char **h_aliases; /* alias list */
    int h_addrtype; /* host address type */
    int h_length; /* length of address */
    char **h_addr_list; /* list of addresses from name server */
};
```

A NULL-terminated array of alternate names (nicknames) for the host.
The type of address being returned —
<type>PF_INET</type>
or
<type>PF_INET6</type>.

The length of the address in bytes.

A <type>NULL</type>
terminated array of network addresses for the host.
Host addresses are returned in network byte order.

For backward compatibility with very old software,
is the first address in

and

provides iteration over the known host entries on systems that
provide such functionality through facilities like
<filename>/etc/hosts</filename>
or NIS. The lightweight resolver does not currently implement
these functions; it only provides them as stub functions that always
return failure.
<para><function>lwres_gethostbyname()</function> and <function>lwres_gethostbyname2()</function> look up the hostname <parameter>name</parameter>.
<function>lwres_gethostbyname()</function> always looks for an IPv4 address while <function>lwres_gethostbyname2()</function> looks for an address of protocol family <parameter>af</parameter>: either <type>PF_INET</type> or <type>PF_INET6</type> &mdash; IPv4 or IPv6 addresses respectively. Successful calls of the functions return a <type>struct hostent</type> for the name that was looked up. <type=NULL</type> is returned if the lookups by <function>lwres_gethostbyname()</function> or <function>lwres_gethostbyname2()</function> fail.
</para><para>Reverse lookups of addresses are performed by <function>lwres_gethostbyaddr()</function>. <parameter>addr</parameter> is an address of length <parameter>len</parameter> bytes and protocol family <parameter>type</parameter> &mdash; <type>PF_INET</type> or <type>PF_INET6</type>. <function>lwres_gethostbyname_r()</function> is a thread-safe function for forward lookups. If an error occurs, an error code is returned in <parameter>*error</parameter>. <parameter>resbuf</parameter> is a pointer to a <type>struct hostent</type> which is initialised by a successful call to <function>lwres_gethostbyname_r()</function>. <parameter>buf</parameter> is a buffer of length <parameter>len</parameter> bytes which is used to store the <constant>h_name</constant>, <constant>h_aliases</constant>, and <constant>h_addr_list</constant> elements of the <type>struct hostent</type> returned in <parameter>resbuf</parameter>. Successful calls to <function>lwres_gethostbyname_r()</function> return <parameter>resbuf</parameter>, which is a pointer to the <type>struct hostent</type> it created.
</para><para><function>lwres_gethostbyaddr_r()</function> is a thread-safe function that performs a reverse lookup of address <parameter>addr</parameter> which is <parameter>len</parameter> bytes long and is of protocol family <parameter>type</parameter> &mdash; <type>PF_INET</type> or <type>PF_INET6</type>. If an error occurs, the error code is returned in <parameter>*error</parameter>. The other function parameters are identical to those in <function>lwres_gethostbyname_r()</function>. <parameter>resbuf</parameter> is a pointer to a <type>struct
hostent which is initialised by a successful call to
<function>lwres_gethostbyaddr_r()</function>.

<parameter>buf</parameter> is a buffer of length
<parameter>len</parameter> bytes which is used to store the
<constant>h_name</constant>, <constant>h_aliases</constant>, and
<constant>h_addr_list</constant> elements of the <type>struct
hostent</type> returned in <parameter>resbuf</parameter>. Successful
calls to <function>lwres_gethostbyaddr_r()</function> return
<parameter>resbuf</parameter>, which is a pointer to the
<function>struct hostent()</function> it created.
</para>

</refsect1>

</refsect1>

<title>RETURN VALUES</title>

<para>
The functions
<function>lwres_gethostbyname()</function>,
<function>lwres_gethostbyname2()</function>,
<function>lwres_gethostbyaddr()</function>,
and
<function>lwres_gethostent()</function>
return NULL to indicate an error. In this case the global variable
<type>lwres_h_errno</type>
will contain one of the following error codes defined in
<filename>&lt;lwres/netdb.h&gt;</filename>:

<variablelist>
<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>

<listitem>
The host or address was not found.
</para>
</listitem>
</varlistentry>
</variablelist>

<varlistentry><term><constant>TRY_AGAIN</constant></term>

<listitem>
A recoverable error occurred, e.g., a timeout.
Retrying the lookup may succeed.
</para>
</listitem>
</varlistentry>

<varlistentry><term><constant>NO_RECOVERY</constant></term>

<listitem>
A non-recoverable error occurred.
</para>
</listitem>
</varlistentry>
The name exists, but has no address information associated with it (or vice versa in the case of a reverse lookup). The code NO_ADDRESS is accepted as a synonym for NO_DATA for backwards compatibility.

translates these error codes to suitable error messages.

Successful calls to lwres_gethostbyname_r() and lwres_gethostbyaddr_r() return
<parameter>resbuf</parameter>, a pointer to the <type>struct hostent</type> that was initialised by these functions. They return <type>NULL</type> if the lookups fail or if <parameter>buf</parameter> was too small to hold the list of addresses and names referenced by the <constant>h_name</constant>, <constant>h_aliases</constant>, and <constant>h_addr_list</constant> elements of the <type>struct hostent</type>. If <parameter>buf</parameter> was too small, both lwres_gethostbyname_r() and lwres_gethostbyaddr_r() set the global variable <type>errno</type> to <errorcode>ERANGE</errorcode>.</para>

SEE ALSO
The resolver daemon does not currently support any non-DNS name services such as
<filename>/etc/hosts</filename>
or
<type>NIS</type>, consequently the above functions don't, either.
<refentry>
<refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo>
<refmeta>
<refentrytitle>lwres_getaddrinfo</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
<refnamediv>
<refname>lwres_getaddrinfo</refname>
<refname>lwres_freeaddrinfo</refname>
<refpurpose>socket address structure to host and service name</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
#include &lt;lwres/netdb.h&gt;
</funcsynopsisinfo>
<funcprototype>
<int>
<int>
<function>lwres_getaddrinfo</function>
</funcdef>
</funcprototype>
<funcprototype>
<funcprototype>
<paramdef>const char *hostname</paramdef>
<paramdef>const char *servname</paramdef>
<paramdef>const struct addrinfo *hints</paramdef>
<paramdef>struct addrinfo **res</paramdef>
</funcprototype>
</funcprototype>

<!-- $Id: lwres_getaddrinfo.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->
void
lwres_freeaddrinfo(struct addrinfo *ai);

If the operating system does not provide a
<type>struct addrinfo</type>,
the following structure is used:

```
struct addrinfo {
    int     ai_flags;       /* AI_PASSIVE, AI_CANONNAME */
    int     ai_family;      /* PF_xxx */
    int     ai_socktype;    /* SOCK_xxx */
    int     ai_protocol;    /* 0 or IPPROTO_xxx for IPv4 and IPv6 */
    size_t  ai_addrlen;     /* length of ai_addr */
    char    *ai_canonname;  /* canonical name for hostname */
    struct sockaddr *ai_addr;       /* binary address */
    struct addrinfo *ai_next;       /* next structure in linked list */
};
```

The function is the lightweight resolver's implementation of
<function>getaddrinfo()</function>
as defined in RFC2133.

<parameter>hostname</parameter>
and
<parameter>servname</parameter>
are pointers to null-terminated
strings or
<type>NULL</type>.
is either a host name or a numeric host address string: a dotted decimal IPv4 address or an IPv6 address.

<parameter>servname</parameter>
is either a decimal port number or a service name as listed in
<filename>/etc/services</filename>.

</para>

<para>
<parameter>hints</parameter>
is an optional pointer to a
<type>struct addrinfo</type>. This structure can be used to provide hints concerning the type of socket that the caller supports or wishes to use. The caller can supply the following structure elements in <parameter>*hints</parameter>:

<variablelist>
<varlistentry>
<term><constant>ai_family</constant></term>
</varlistentry>
<listitem>
The protocol family that should be used. When <constant>ai_family</constant> is set to <type>PF_UNSPEC</type>, it means the caller will accept any protocol family supported by the operating system.
</para>
</listitem></varlistentry>

<varlistentry>
<term><constant>ai_socktype</constant></term>
</varlistentry>
<listitem>
denotes the type of socket — <type>SOCK_STREAM</type>, <type>SOCK_DGRAM</type> or <type>SOCK_RAW</type> — that is wanted. When <constant>ai_socktype</constant> is zero the caller will accept any socket type.
</para>
</listitem></varlistentry>

<varlistentry>
<term><constant>ai_protocol</constant></term>
</varlistentry>
<listitem>
indicates which transport protocol is wanted: IPPROTO_UDP or IPPROTO_TCP. If
<constant>ai_protocol</constant>
is zero the caller will accept any protocol.
</para>
</listitem>
</varlistentry>

<varlistentry><term><constant>ai_flags</constant></term>
</varlistentry>

<listitem>

<para>
Flag bits.
If the
<type>AI_CANONNAME</type>
bit is set, a successful call to
<function>lwres_getaddrinfo()</function>
will return a null-terminated string containing the canonical name
of the specified hostname in
<constant>ai_canonname</constant>
of the first
<type>addrinfo</type>
structure returned.
Setting the
<type>AI_PASSIVE</type>
bit indicates that the returned socket address structure is intended
for used in a call to
<citerefentry>
<refentrytitle>bind</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>.

In this case, if the hostname argument is a
<type>NULL</type>
pointer, then the IP address portion of the socket
address structure will be set to
<type>INADDR_ANY</type>
for an IPv4 address or
<type>IN6ADDR_ANY_INIT</type>
for an IPv6 address.
</para>

When
<constant>ai_flags</constant>
does not set the
<type>AI_PASSIVE</type>
bit, the returned socket address structure will be ready
for use in a call to
<citerefentry>
<refentrytitle>connect</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>
for a connection-oriented protocol or
or
<refentry>
<refentrytitle>sendmsg</refentrytitle><manvolnum>2</manvolnum>
</refentry>

if a connectionless protocol was chosen. The IP address portion of the socket address structure will be set to the loopback address if <parameter>hostname</parameter> is a <type>NULL</type> pointer and <type>AI_PASSIVE</type> is not set in <constant>ai_flags</constant>. If <constant>ai_flags</constant> is set to <type>AI_NUMERICHOST</type> it indicates that <parameter>hostname</parameter> should be treated as a numeric string defining an IPv4 or IPv6 address and no name resolution should be attempted.

All other elements of the <type>struct addrinfo</type> passed via <parameter>hints</parameter> must be zero.

A <parameter>hints</parameter> of <type>NULL</type> is treated as if the caller provided a <type>struct addrinfo</type> initialized to zero with <constant>ai_family</constant> set to
After a successful call to
\texttt{lwres\_getaddrinfo()},
\texttt{*res} is a pointer to a linked list of one or more
\texttt{addrinfo} structures.
Each
\texttt{struct addrinfo}
in this list can be processed by following
the
\texttt{ai\_next} pointer, until a
\texttt{NULL} pointer is encountered.
The three members
\texttt{ai\_family},
\texttt{ai\_socktype},
and
\texttt{ai\_protocol}
in each
\texttt{addrinfo}
structure contain the corresponding arguments for a call to
\texttt{socket}.
For each
\texttt{addrinfo}
structure in the list, the
\texttt{ai\_addr} member points to a filled-in socket address structure of length
\texttt{ai\_addrlen}.

All of the information returned by
\texttt{lwres\_getaddrinfo()}
is dynamically allocated: the \texttt{addrinfo} structures, and the socket
address structures and canonical host name strings pointed to by the
\texttt{addrinfo} structures.
Memory allocated for the dynamically allocated structures created by
a successful call to
\texttt{lwres\_getaddrinfo()}
is released by
<function>lwres_freeaddrinfo()</function>.

<parameter>ai</parameter>
is a pointer to a
<type>struct addrinfo</type>
created by a call to
<function>lwres_getaddrinfo()</function>.

</para>

</refsect1>

<refsect1>
<title>RETURN VALUES</title>
<para>
<function>lwres_getaddrinfo()</function>
returns zero on success or one of the error codes listed in
<citerefentry>
<refentrytitle>gai_strerror</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>
if an error occurs.
If both
<parameter>hostname</parameter>
and
<parameter>servname</parameter>
are
<type>NULL</type>
<function>lwres_getaddrinfo()</function>
returns
<errorcode>EAI_NONAME</errorcode>.

</para>
</refsect1>

<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
<citerefentry>
<refentrytitle>lwres_getaddrinfo</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
<citerefentry>
<refentrytitle>lwres_freeaddrinfo</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,
</para>
</refsect1>
<refentrytitle>lwres_gai_strerror</refentrytitle>,<manvolnum>3</manvolnum>,
</citerefentry>,
<refentrytitle>RFC2133</refentrytitle>,
</citerefentry>,
<refentrytitle>getservbyname</refentrytitle>,<manvolnum>3</manvolnum>,
</citerefentry>,
<refentrytitle>bind</refentrytitle>,<manvolnum>2</manvolnum>,
</citerefentry>,
<refentrytitle>connect</refentrytitle>,<manvolnum>2</manvolnum>,
</citerefentry>,
<refentrytitle>sendto</refentrytitle>,<manvolnum>2</manvolnum>,
</citerefentry>,
<refentrytitle>sendmsg</refentrytitle>,<manvolnum>2</manvolnum>,
</citerefentry>,
<refentrytitle>socket</refentrytitle>,<manvolnum>2</manvolnum>,
</citerefentry>.  
</para>
</refsect1>
</refentry>

Found in path(s):
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.docbook

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-->

<refentry>
<refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo>
<refmeta>
<refentrytitle>lwres_resutil</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
<refnamediv>
<refname>lwres_string_parse</refname>
<refname>lwres_addr_parse</refname>
<refname>lwres_getaddrsbyname</refname>
<refname>lwres_getnamebyaddr</refname>
<refpurpose>lightweight resolver utility functions</refpurpose>
</refnamediv>
lwres_result_t
<function>lwres_string_parse</function></funcdef>
<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>char **c</paramdef>
<paramdef>lwres_uint16_t *len</paramdef>
</funcprototype>

lwres_result_t
<function>lwres_addr_parse</function></funcdef>
<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>lwres_addr_t *addr</paramdef>
</funcprototype>

lwres_result_t
<function>lwres_getaddrsbyname</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>const char *name</paramdef>
<paramdef>lwres_uint32_t addrtypes</paramdef>
<paramdef>lwres_gabnresponse_t **structp</paramdef>
</funcprototype>

lwres_result_t
<function>lwres_getnamebyaddr</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<paramdef>lwres_uint32_t addrtype</paramdef>
<paramdef>lwres_uint16_t addrlen</paramdef>
<paramdef>const unsigned char *addr</paramdef>
<paramdef>lwres_gnbaresponse_t **structp</paramdef>
</funcprototype>

<refsect1>
<title>DESCRIPTION</title>

<para>
<function>lwres_string_parse()</function> retrieves a DNS-encoded
string starting the current pointer of lightweight resolver buffer
<parameter>b</parameter>: i.e. <constant>b-&gt;current</constant>
. When the function returns, the address of the first byte of the
encoded string is returned via \texttt{\*c} and the length of that string is given by \texttt{\*len}. The buffer's current pointer is advanced to point at the character following the string length, the encoded string, and the trailing \texttt{NULL} character.

\begin{verbatim}
<para>

<function>lwres_addr_parse()</function> extracts an address from the buffer \texttt{b}. The buffer's current pointer \texttt{b-&gt;current} is presumed to point at an encoded address: the address preceded by a 32-bit protocol family identifier and a 16-bit length field. The encoded address is copied to \texttt{addr-&gt;address} and \texttt{addr-&gt;length} indicates the size in bytes of the address that was copied. \texttt{b-&gt;current} is advanced to point at the next byte of available data in the buffer following the encoded address.

<para>

<function>lwres_getaddrsbyname()</function> and \texttt{lwres_getnamebyaddr()} use the \texttt{lwres_gnbaresponse_t} structure defined below:

\begin{verbatim}
typedef struct {
    lwres_uint32_t flags;
    lwres_uint16_t naliases;
    lwres_uint16_t naddrs;
    char *realname;
    char **aliases;
    lwres_uint16_t realnamelen;
    lwres_uint16_t *aliaslen;
    lwres_addrlist_t addrs;
    void *base;
    size_t baselen;
} lwres_gnbaresponse_t;
\end{verbatim}

The contents of this structure are not manipulated directly but they are controlled through the \texttt{lwres_gnba()} functions.
The lightweight resolver uses \texttt{lwres\_getaddrsbyname()} to perform forward lookups. Hostname \texttt{name} is looked up using the resolver context \texttt{ctx} for memory allocation. \texttt{addrtypes} is a bitmask indicating which type of addresses are to be looked up. Current values for this bitmask are \texttt{LWRES\_ADDRTYPE\_V4} for IPv4 addresses and \texttt{LWRES\_ADDRTYPE\_V6} for IPv6 addresses. Results of the lookup are returned in \texttt{structp}.

\texttt{lwres\_getnamebyaddr()} performs reverse lookups. Resolver context \texttt{ctx} is used for memory allocation. The address type is indicated by \texttt{addrtype}: \texttt{LWRES\_ADDRTYPE\_V4} or \texttt{LWRES\_ADDRTYPE\_V6}. The address to be looked up is given by \texttt{addr} and its length is \texttt{addrlen} bytes. The result of the function call is made available through \texttt{structp}.

\textbf{RETURN VALUES}

Successful calls to \texttt{lwres\_string\_parse()} and \texttt{lwres\_addr\_parse()} return \texttt{LWRES\_R\_SUCCESS}. Both functions return \texttt{LWRES\_R\_FAILURE} if the buffer is corrupt or \texttt{LWRES\_R\_UNEXPECTEDEND} if the buffer has less space than expected for the components of the encoded string or address.
if the hostname
<parameter>name</parameter>
could not be found.
</para>
<para>
<errorcode>LWRES_R_SUCCESS</errorcode>
is returned by a successful call to
<function>lwres_getnamebyaddr()</function>.
</para>

<para>
Both
<function>lwres_getaddrbyname()</function>
and
<function>lwres_getnamebyaddr()</function>
return
<errorcode>LWRES_R_NOMEMORY</errorcode>
when memory allocation requests fail and
<errorcode>LWRES_R_UNEXPECTEDEDEND</errorcode>
if the buffers used for sending queries and receiving replies are too
small.
</para>

</refsect1>
</refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres_buffer</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_gabn</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>.
</para>
</refsect1>
</refentry>

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/include/bind9/check.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/version.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/win32/DLLMain.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isccfg/include/isccfg/version.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/unix/strerror.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/include/isc/platform.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/win32/DLLMain.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isccfg/win32/DLLMain.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind9/win32/ntgroups.c
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```
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"
"" The following six UNCOMMENTED lines are required.
""Os OPERATING_SYSTEM [version/release]
""Dt DOCUMENT_TITLE [section number] [volume]
"" This next request is for sections 1, 6, 7 & 8 only
"".Sh ENVIRONMENT
"".Sh FILES
"".Sh EXAMPLES
"" This next request is for sections 1, 6, 7 & 8 only
"" (command return values (to shell) and
"" fprintf/stderr type diagnostics)
```
".*Sh DIAGNOSTICS
".*The next request is for sections 2 and 3 error
".*and signal handling only.
".*Sh STANDARDS
".*Sh HISTORY
".*Sh BUGS

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/
* eventlib.em
*
* Eventlib error message compiler input file
*
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*/

/*
* The file basename is the facility name, the name is made
* uppercase. This file defines facility EVENTLIB
*/
module {
    description "EVENTLIB system messages";
}

errmsg HISTSUMM {
    severity err;
    category software;
    cdets_component iosxe-binos-utils;

    format "dispatch start: %llums elapsed time: %llums detected hog: %u set count: %u ";
    arg {
        "int" dispatch_time "event dispatch time";
        "int" elapsed_time "event elapsed time";
        "int" hog_detected "event hog detected";
        "int" set_count "event set count since dispatch"
    }
    explanation
        "Eventlib historical summary for detected hog."
}

action
    "This event summary is part of a CPUHOG or TIMEHOG error, 
    "providing diagnostic details useful to engineering."
    "Save this summary message along with the HOG error.";
tac_details
   "Eventlib historical summary for detected hog."
;
}

errmsg HISTELEM {
   severity err;
   category software;
   cdets_component iosxe-binos-utils;

   format "elem[%u] event: %s %s set: %llums unset: %llums hog check: %d caller: %p app-info: %s";

   arg {
      "int" set_count "element set count";
      "char *" position_string "event call type";
      "char *" position_string "event condition";
      "int" set_time "element set time";
      "int" unset_time "element unset time";
      "int" hog_check "element hog check result";
      "int" caller "caller builtin return address";
      "char *" any_string "element callback render buffer";
   }

   explanation
      "Eventlib historical element for detected hog."
;
   action
      "This event element is part of a CPUHOG or TIMEHOG error, 
      "providing diagnostic details useful to engineering. 
      "Save all element messages along with the HOG error. ";

   tac_details
      "Eventlib historical element for detected hog."
;
}

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/getpwent_r.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/getgrent_r.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/irp_p.h

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*/
/
* Get the response to 'request' by filling in 'message'.
*
* 'options' is passed to dns_message_parse(). See dns_message_parse()
* for more details.
*
* Requires:
*
* 'request' is a valid request for which the caller has received the
* completion event.
*
* The result code of the completion event was ISC_R_SUCCESS.
*
* Returns:
*
* ISC_R_SUCCESS
*
* Any result that dns_message_parse() can return.
*/

Found in path(s):
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/request.h

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/sig_24.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/tests/t_api.c
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<!-- $Id: lwres_gabn.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry><refentryinfo><date>Jun 30, 2000</date></refentryinfo><refmeta><refentrytitle>lwres_gabn</refentrytitle><manvolnum>3</manvolnum><refmiscinfo>BIND9</refmiscinfo></refmeta><refnamediv><refname>lwres_gabnrequest_render</refname><refname>lwres_gabnresponse_render</refname><refname>lwres_gabnrequest_parse</refname><refname>lwres_gabnresponse_parse</refname><refname>lwres_gabnresponse_free</refname><refname>lwres_gabnrequest_free</refname><refpurpose>lightweight resolver getaddrbyname message handling</refpurpose></refnamediv><refsynopsis><funcsynopsis><funcsynopsisinfo>#include &lt;lwres/lwres.h&gt;</funcsynopsisinfo></funcsynopsis><funcprototype><funcdef>lwres_result_t lwres_gabnrequest_render(lwres_context_t *ctx, lwres_gabnrequest_t *req, lwres_lwpacket_t *pkt, lwres_buffer_t *b)</funcdef></funcprototype></refsynopsis>
These are low-level routines for creating and parsing lightweight resolver name-to-address lookup request and
response messages.

There are four main functions for the getaddrbyname opcode. One render function converts a getaddrbyname request structure — `lwres_gabnrequest_t` — to the lightweight resolver's canonical format. It is complemented by a parse function that converts a packet in this canonical format to a getaddrbyname request structure. Another render function converts the getaddrbyname response structure — `lwres_gabnresponse_t` — to the canonical format. This is complemented by a parse function which converts a packet in canonical format to a getaddrbyname response structure.

These structures are defined in `<lwres/lwres.h>`. They are shown below.

```c
#include <lwres/lwres.h>

#define LWRES_OPCODE_GETADDRSBYNAME    0x00010001U

typedef struct lwres_addr lwres_addr_t;
typedef LWRES_LIST(lwres_addr_t) lwres_addrlist_t;

typedef struct {
    lwres_uint32_t flags;
    lwres_uint32_t addrtypes;
    lwres_uint16_t namelen;
    char *name;
} lwres_gabnrequest_t;

typedef struct {
    lwres_uint32_t flags;
    lwres_uint16_t aliases;
    lwres_uint16_t addrs;
    char *realname;
    char **aliases;
    lwres_uint16_t realnamelen;
    lwres_uint16_t *aliaslen;
    lwres_addrlist_t addrs;
    void *base;
    size_t baselen;
} lwres_gabnresponse_t;
```

This uses resolver context.
<parameter>ctx</parameter> to convert getaddrbyname request structure
<parameter>req</parameter> to canonical format.
The packet header structure
<parameter>pkt</parameter> is initialised and transferred to
buffer
<parameter>b</parameter>.

The contents of
<parameter>*req</parameter> are then appended to the buffer in canonical format.
<function>lwres_gabnresponse_render()</function> performs the same task, except it converts a getaddrbyname response structure
<type>lwres_gabnresponse_t</type> to the lightweight resolver's canonical format.
</para>
</para>
<function>lwres_gabnrequest_parse()</function> uses context
<parameter>ctx</parameter> to convert the contents of packet
<parameter>pkt</parameter> to a
<type>lwres_gabnrequest_t</type> structure.
Buffer
<parameter>b</parameter> provides space to be used for storing this structure.
When the function succeeds, the resulting
<type>lwres_gabnrequest_t</type> is made available through
<parameter>*structp</parameter>.

<function>lwres_gabnresponse_parse()</function> offers the same semantics as
<function>lwres_gabnrequest_parse()</function> except it yields a
<type>lwres_gabnresponse_t</type> structure.
</para>
</para>
<function>lwres_gabnresponse_free()</function> and
<function>lwres_gabnrequest_free()</function> release the memory in resolver context
<parameter>ctx</parameter>.
that was allocated to the
<type>lwres_gabnresponse_t</type>
or
<type>lwres_gabnrequest_t</type>
structures referenced via
<parameter>structp</parameter>.

Any memory associated with ancillary buffers and strings for those
structures is also discarded.

</para>
</refsect1>

<title>RETURN VALUES</title>

<para>
The getaddrbyname opcode functions
<function>lwres_gabnrequest_render()</function>,
<function>lwres_gabnresponse_render()</function>
<function>lwres_gabnrequest_parse()</function>
and
<function>lwres_gabnresponse_parse()</function>
all return
<errorcode>LWRES_R_SUCCESS</errorcode>
on success.
They return
<errorcode>LWRES_R_NOMEMORY</errorcode>
if memory allocation fails.
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
is returned if the available space in the buffer
<parameter>b</parameter>
is too small to accommodate the packet header or the
<type>lwres_gabnrequest_t</type>
and
<type>lwres_gabnresponse_t</type>
structures.
<function>lwres_gabnrequest_parse()</function>
and
<function>lwres_gabnresponse_parse()</function>
will return
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
if the buffer is not empty after decoding the received packet.
These functions will return
<errorcode>LWRES_R_FAILURE</errorcode>
if
<structfield>pktflags</structfield>
in the packet header structure
<type>lwres_lwpacket_t</type>
indicate that the packet is not a response to an earlier query.
</para>
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/man/lwres_gabn.docbook
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/*---------------------------------------------
 * eventlib definitions specific to binos
 *
 * January 2007, Vikram Visweswarai
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 *---------------------------------------------*/

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" $Id: heap.mdoc,v 1.1 2004/11/03 01:39:04 abstine Exp $
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" Os OPERATING_SYSTEM [version/release]
The following requests should be uncommented and used where appropriate. This next request is for sections 2 and 3 function return values only. This next request is for sections 1, 6, 7 & 8 only.

.Sh ENVIRONMENT
.Sh EXAMPLES
.Sh EXAMPLES
.Sh STANDARDS
.Sh HISTORY
.Sh BUGS

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</refmeta>
<refnamediv>
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<refname>lwres_freerrset</refname>
<refpurpose>retrieve DNS records</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include &lt;lwres/netdb.h&gt;</funcsynopsisinfo>
<funcprototype>
<funcdef>

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The following structures are used:

```c
struct rdatainfo {
    unsigned int rdi_length; /* length of data */
    unsigned char *rdi_data;  /* record data */
};

struct rrsetinfo {
    unsigned int rri_flags;  /* RRSET_VALIDATED... */
    unsigned int rri_rdclass; /* class number */
    unsigned int rri_rdtype;  /* RR type number */
    unsigned int rri_ttl;     /* time to live */
    unsigned int rri_nrdatas; /* size of rdatas array */
    unsigned int rri_nsigs;   /* size of sigs array */
    char *rri_name;           /* canonical name */
    struct rdatainfo *rri_rdatas; /* individual records */
    struct rdatainfo *rri_sigs; /* individual signatures */
};
```

FUNCTION `lwres_getrrsetbyname()` gets a set of resource records associated with a `hostname` and `class`.
and
<parameter>type</parameter>.

<parameter>hostname</parameter>
is
a pointer to a null-terminated string. The
<parameter>flags</parameter> field is currently unused and must be zero.
</para>
<para>
After a successful call to
<function>lwres_getrrsetbyname()</function>,

<parameter>*res</parameter> is a pointer to an
<type>rrsetinfo</type> structure, containing a list of one or more
<type>rdatainfo</type> structures containing resource records and potentially another list of
<type>rdatainfo</type> structures containing SIG resource records
associated with those records.
The members
<constant>rri_rdclass</constant> and
<constant>rri_rdtype</constant> are copied from the parameters.
<constant>rri_ttl</constant> and
<constant>rri_name</constant> are properties of the obtained rrset.
The resource records contained in
<constant>rri_rdatas</constant> and
<constant>rri_sigs</constant> are in uncompressed DNS wire format.
Properties of the rdataset are represented in the
<constant>rri_flags</constant> bitfield. If the RRSET_VALIDATED bit is set, the data has been DNSSEC validated and the signatures verified.
</para>
<para>
All of the information returned by
<function>lwres_getrrsetbyname()</function> is dynamically allocated: the
<constant>rrsetinfo</constant> and
<constant>rdatainfo</constant>
structures,
and the canonical host name strings pointed to by the
<constant>rssetinfo</constant>structure.

Memory allocated for the dynamically allocated structures created by
a successful call to
<function>lwres_getrrsetbyname()</function>
is released by
<function>lwres_freerrset()</function>.

<parameter>rrset</parameter>
is a pointer to a
<type>struct rrset</type>
created by a call to
<function>lwres_getrrsetbyname()</function>.

</para>
</para>
</para>
</refsect1>
<refsect1>
<title>RETURN VALUES</title>
<para>
<function>lwres_getrrsetbyname()</function>
returns zero on success, and one of the following error
codes if an error occurred:
<variablelist>

<varlistentry><term><constant>ERRSET_NONAME</constant></term>
</varlistentry>
<listitem><para>
the name does not exist
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_NODATA</constant></term>
</varlistentry>
<listitem><para>
the name exists, but does not have data of the desired type
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_NOMEMORY</constant></term>
</varlistentry>
<listitem><para>
memory could not be allocated
</para></listitem></varlistentry>

<varlistentry><term><constant>ERRSET_INVAL</constant></term>
</varlistentry>
<listitem><para>
a parameter is invalid
</para></listitem></varlistentry>
<varlistentry><term><constant>ERRSET_FAIL</constant></term></varlistentry>
<listitem><para>other failure</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</para></listitem></varlistentry>
</refsect1>
</refentry>

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" $Id: lwres_resutil.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/port/hpux/include/sys/bitypes.h
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/assertions.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/heap.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/mem.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/heap.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/include/lwres/list.h

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/libwin32/file.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/libwin32/pthreads/mutex.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/unix/include/lwres/net.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/unix/errno2result.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/win32/entropy.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/win32/include/isc/ipv6.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/win32/errno2result.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/sec/dst/include/dst/dst.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/sec/dst/include/std/dst.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/sec/dst/dnssecapi_link.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/sec/dst/fsaccess.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/lwres/lwres_gnba.c
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-->

<!-- $Id: lwres_getipnode.docbook,v 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry>

<refentryinfo>
  <date>Jun 30, 2000</date>
</refentryinfo>

<refmeta>
  <refentrytitle>lwres_getipnode</refentrytitle>
  <manvolnum>3</manvolnum>
  <refmiscinfo>BIND9</refmiscinfo>
</refmeta>

<refnamediv>
  <refname>lwres_getipnodebyname</refname>
  <refname>lwres_getipnodebyaddr</refname>
  <refname>lwres_freehostent</refname>
  <refpurpose>lightweight resolver nodename / address translation API</refpurpose>
</refnamediv>

<refsynopsisdiv>
  <funcsynopsis>
    #include &lt;lwres/netdb.h&gt;
  </funcsynopsisinfo>
  <funcprototype>
    struct hostent *
    lwres_getipnodebyname(const char *name, int af, int flags, int *error_num);
  </funcdef>
  <funcprototype>
    struct hostent *
    lwres_getipnodebyaddr()
  </funcdef>
</refsynopsisdiv>
These functions perform thread safe, protocol independent
nodename-to-address and address-to-nodename
translation as defined in RFC2553.

They use a
<type>struct hostent</type>
which is defined in
<filename>namedb.h</filename>:
<programlisting>
struct hostent {
    char *h_name; /* official name of host */
    char **h_aliases; /* alias list */
    int h_addrtype; /* host address type */
    int h_length; /* length of address */
    char **h_addr_list; /* list of addresses from name server */
};
#define h_addr h_addr_list[0] /* address, for backward compatibility */
</programlisting>

The members of this structure are:
<variablelist>
<varlistentry><term><constant>h_name</constant></term>
</varlistentry>
<para>
The official (canonical) name of the host.
</para>
A NULL-terminated array of alternate names (nicknames) for the host.

The type of address being returned - usually a type `PF_INET` or `PF_INET6`.

The length of the address in bytes.

A NULL-terminated array of network addresses for the host. Host addresses are returned in network byte order.

Looks up addresses of protocol family `af` for the hostname.

The `flags` parameter contains ORed flag bits to specify the types of addresses that are searched for, and the types of addresses that are returned. The flag bits are:
<variablelist>
  <varlistentry>
    <term><constant>AI_V4MAPPED</constant></term>
    <listitem>
      <para>
        This is used with an <parameter>af</parameter> of AF_INET6, and causes IPv4 addresses to be returned as IPv4-mapped IPv6 addresses.
      </para>
    </listitem>
  </varlistentry>
  <varlistentry>
    <term><constant>AI_ALL</constant></term>
    <listitem>
      <para>
        This is used with an <parameter>af</parameter> of AF_INET6, and causes all known addresses (IPv6 and IPv4) to be returned. If AI_V4MAPPED is also set, the IPv4 addresses are return as mapped IPv6 addresses.
      </para>
    </listitem>
  </varlistentry>
  <varlistentry>
    <term><constant>AI_ADDRCONFIG</constant></term>
    <listitem>
      <para>
        Only return an IPv6 or IPv4 address if here is an active network interface of that type. This is not currently implemented in the BIND 9 lightweight resolver, and the flag is ignored.
      </para>
    </listitem>
  </varlistentry>
  <varlistentry>
    <term><constant>AI_DEFAULT</constant></term>
    <listitem>
      <para>
        This default sets the <constant>AI_V4MAPPED</constant> and <constant>AI_ADDRCONFIG</constant> flag bits.
      </para>
    </listitem>
  </varlistentry>
</variablelist>

<function>lwres_getnodebyaddr()</function> performs a reverse lookup of address <parameter>src</parameter> which is <parameter>len</parameter> bytes long.
<parameter>af</parameter> denotes the protocol family, typically <type>PF_INET</type> or <type>PF_INET6</type>.

<para>
<para>
<function>lwres_freehostent()</function> releases all the memory associated with the <type>struct hostent</type> pointer <parameter>he</parameter>.

Any memory allocated for the <constant>h_name</constant>, <constant>h_addr_list</constant> and <constant>h_aliases</constant> is freed, as is the memory for the <type>hostent</type> structure itself.
</para>
</refsect1>

<refsect1>
<title>RETURN VALUES</title>
<para>
If an error occurs, <function>lwres_getipnodebyname()</function> and <function>lwres_getipnodebyaddr()</function> set <parameter>*error_num</parameter> to an appropriate error code and the function returns a <type>NULL</type> pointer. The error codes and their meanings are defined in <filename>&lt;lwres/netdb.h&gt;</filename>:
<variablelist>
<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>
</varlistentry>
<varlistentry><term><constant>NO_ADDRESS</constant></term>
</varlistentry>
</variablelist>
</para>
</refsect1>

No such host is known.
The server recognised the request and the name but no address is available. Another type of request to the name server for the domain might return an answer.

A temporary and possibly transient error occurred, such as a failure of a server to respond. The request may succeed if retried.

An unexpected failure occurred, and retrying the request is pointless.

translates these error codes to suitable error messages.

SEE ALSO

RFC2553,
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*
* BINOS specific changes to associate memcluster with an evctx
*
* March 2014, Aswin Kuppusami
*/

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/isc/logging.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/resolv/res_mkupdate.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/isc/logging_p.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/getgrent.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/inet/nsap_addr.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/inet/inet_ntop.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/inet/inet_ntop.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/lcl.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/resolve/res_update.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/include/isc/logging.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/dns_p.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/nameser/ns_print.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/dns_p.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/dns_gr.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/bind/irs/lcl_ng.c

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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/rrsig_46.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/sshfp_44.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/dnskey_48.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/dnskey_48.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/hash.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/rrsig_46.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/sshfp_44.h
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/in_1/naptr_35.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/log.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/log.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/in_1/wks_11.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/x25_19.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/ncache.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/nxt_30.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdata/generic/isdn_20.c
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/log.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/ratelimiter.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/fakecache.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/callbacks.h

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/* This is the header file for the MD5 message-digest algorithm.
 * The algorithm is due to Ron Rivest. This code was
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 *
 * Equivalent code is available from RSA Data Security, Inc.
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 *
 * To compute the message digest of a chunk of bytes, declare an
 * MD5Context structure, pass it to MD5Init, call MD5Update as
 * needed on buffers full of bytes, and then call MD5Final, which
 * will fill a supplied 16-byte array with the digest.
 *
 * Changed so as no longer to depend on Colin Plumb's `usual.h'
 * header definitions; now uses stuff from dpkg's config.h
 * - Ian Jackson <ijackson@nyx.cs.du.edu>.
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Found in path(s):
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/opcode.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/include/isc/netscope.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/region.c
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/include/dns/ds.h
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* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/isc/win32/include/isc/win32os.h
* /opt/cola/permits/1210918043_1634587135.54/0/lib-tar/lib/dns/rdnssec/in_1/apl_42.c

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1.486 systemd-bootchart
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