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Text Part Number: 78EE117C99-1140560674

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1.1 libtomcrypt 1.17

1.1.1 Available under license :

```
# /*
#   * SHA-512
#   * Implementation derived from LibTomCrypt (Tom St Denis)
#   *
#   * LibTomCrypt is a library that provides various cryptographic
#   * algorithms in a highly modular and flexible manner.
#   *
#   * The library is free for all purposes without any express
#   * guarantee it works.
#   *
#   * Tom St Denis, tomstdenis@gmail.com, http://libtomcrypt.org
#   */
```

1.2 csrp 1.0

1.2.1 Available under license :

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1.3 libtommath 0.42.0

1.3.1 Available under license :

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-- Tom St Denis

1.4 sed 4.2.2

1.4.1 Available under license :

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1.5 xinetd 2.3.15

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1.7 diffutils 3.7

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1.8 libxslt 1.1.33

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1.9 pcre 8.43

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1.10 bzip2 1.0.8

1.11 gawk 5.0.1

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

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

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

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

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

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a copy of this License. If the work
during execution displays copyright notices, you must include the
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of these things:

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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
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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 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
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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

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END OF TERMS AND CONDITIONS

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

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

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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1.14 cpio 2.12

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1.21 libxml 2.9.9

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1.22 bluez 5.50

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@item
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6b.

@item
Convey the object code by offering access from a designated place
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the same place at no
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1.39 luajit 2.1.0

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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 @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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 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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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:

@enumerate a
@item
The modified work must itself be a software library.

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

@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
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
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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
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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.

@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.

@item
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
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.

@item
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:

@enumerate a
@item
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.

@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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@end enumerate

@subheading END OF TERMS AND CONDITIONS

@page
@subheading How to Apply These Terms to Your New Libraries

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

 To apply these terms, attach the following notices to the library. It is
safest to attach them to the start of each source
 file to most effectively
convey the exclusion of warranty; and each file should have at least the
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@var{one line to give the library's name and an idea of what it does.}

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USA.
@end
 smallexample

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You should also get your employer (if you work as a programmer) or your
school, if any, to sign a ``copyright disclaimer'' for the library, if
necessary. Here is a sample; alter the names:

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`Frob' (a library for tweaking knobs) written by James Random Hacker.

@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
@end smallexample

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Whether that is true depends on what the
Program does.

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

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b) You must cause any work that you distribute or publish, that in whole or in part contains or is derived from the Program or any part thereof, to be licensed as a whole at no charge to all third parties under the terms of this License.

c) If the modified program normally reads commands interactively when run, you must cause it, when started running for such interactive use in the most ordinary way, to print or display an announcement including an appropriate copyright notice and a notice that there is no warranty (or else, saying that you provide a warranty) and that users may redistribute the program under these conditions, and telling the user how to view a copy of this License. (Exception: if the Program itself is interactive but does not normally print such an announcement, your work based on the Program is not required to print an announcement.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Program, 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 Program, 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 Program.

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) 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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a) 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; or,

b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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

If distribution of executable or 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 counts as distribution of the source code, even though third parties are not compelled to copy the source along with the object code.

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be combined with the library in order
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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.

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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:

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

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(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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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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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.

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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.

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

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

TERMS AND CONDITIONS

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

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

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1. Source Code.

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

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

The
"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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

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

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

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

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in one of these ways:

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

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

c) Convey individual copies of the object code with a copy of the
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only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
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included in conveying the object code work.

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product received by a particular user, "normally used" refers to a
typical or common use of that class of product, regardless of the status
of the particular user or of the way in which the particular user
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1.55 python 3.7.8

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

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

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

All
Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
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Release	Derived from	Year	Owner	GPL-compatible? (1)

0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2 and above	2.1.1	2001-now		
PSF	yes			

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible,
because its license has a choice of law clause. According to
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Thanks to the many outside volunteers who have worked under Guido's
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set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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1.60 pkix-ssh 11.6

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```
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*-----------------------------------------------------------------------
* name: pkixpath.c
*
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*/
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```

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```
/* $Id$
* $Source$
*-----------------------------------------------------------------
* pkixpath_header.h
*
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* $Log$
*-----------------------------------------------------------------
* $Endlog$
*/
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1.61 kexec-tools 2.0.19

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1.62 python-pip 9.0.3-18.el8

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- Chris McDonough, 2011/02/16
- Wichert Akkerman, 2012/02/02

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A. HISTORY OF THE SOFTWARE

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

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

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

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

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes

2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes
2.7	2.6	2010	PSF	yes

Footnotes:

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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

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

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1.65 wget 1.19.5-10.el8

1.65.1 Available under license :

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

Author: Julio Merino <jmmv@users.sourceforge.net>

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

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

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<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"
 xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
 xmlns:xi="http://www.w3.org/2001/XInclude"
 xmlns:db="http://docbook.org/ns/docbook">

 <xsl:template name="isc.copyright.format">
  <xsl:param name="text"/>
  <xsl:value-of select="$isc.copyright.leader"/>
  <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
  <xsl:text>&#10;</xsl:text>
  <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
  <xsl:if test="translate($rest, '&#9;&#32;', '')">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param
name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
  <xsl:text>Copyright (C) </xsl:text>
  <xsl:call-template name="copyright.years">
    <xsl:with-param name="years" select="year"/>
  </xsl:call-template>
  <xsl:text> </xsl:text>
  <xsl:value-of select="holder"/>
       <xsl:value-of select="$isc.copyright.breakline"/>
  <xsl:text>&#10;</xsl:text>
</xsl:for-each>
<xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
   </xsl:call-template>
</xsl:variable>
```

</xsl:stylesheet>

<!--
 - Local variables:
 - mode: sgml
 - End:
-->
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1.69 rsyslog 8.1911.0-6.el8

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notice like this when it starts in an interactive mode:

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Version 3, 29 June 2007

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1.72 ncurses 6.1-7.20180224.el8

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1.73 openssh 8.0p1

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```

[Tatu continues]

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- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
- Blowfish is now external, in the OpenSSL library

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4)
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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>
* @author Paulo Barreto <paulo.barreto@terra.com.br>
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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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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

1.78 crypto-policies 20200713-1.git51d1222.el8

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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.

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

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

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

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

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

d) If a facility in the modified

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

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

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

Once this change is made in a given copy, it is irreversible for

that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

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

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

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

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

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

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

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

Otherwise, if the work is a derivative of the Library, you may

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

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

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

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

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

d) If distribution of the work is made by offering access to copy

from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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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1.79 libpcap 1.9.1-4.el8

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1.81 pcre 10.32-2.el8

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THE BASIC LIBRARY FUNCTIONS

Written by: Philip Hazel
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1.87 cyrus-sasl 2.1.27-5.el8

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1.88 gnupg 2.2.20-2.el8

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#+STARTUP: showall

* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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1.89 libffi 3.1-22.el8

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1.90 chkconfig 1.13-2.el8

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1.92 vim 8.0.1763-15.el8

1.93 cryptsetup 2.3.3-2.el8

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1.95 python-setuptools 39.2.0-6.el8

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1.96 e2fsprogs 1.45.6-1.el8

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

all:: image

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

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

image:  $(BSD_LIB)

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

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

install-strip: install

install-shlibs-strip:: install-shlibs
```

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

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

-   trivial database library - private includes
-
-   Copyright (C) Andrew Tridgell   2005
+   Copyright (C) Andrew Tridgell   1999-2005
+   Copyright (C) Jeremy Allison   2000-2006
+   Copyright (C) Paul `Rusty' Russell   2000

    ** NOTE! The following LGPL license applies to the tdb
    ** library. This does NOT imply that all of Samba is released
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Gadi Oxman, August 1995

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

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

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

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library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!
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##
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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.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom

Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
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Bussjaeger, Andreas
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Esipovich, Marc
Espie, Marc
Faigon, Ariel
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Fobes, Steve
Frysinger, Mike
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Gerraty, Simon J.
Graber, Stephane
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Holloway, Nick
Hoover, Adam

Hunter, Michael T.
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Irrgang, Eric
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Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
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Kadow, Kevin
Kasal, Stepan
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Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
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Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
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Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
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Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
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Moffat, Darren
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Reid, Steve
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Rossum, Guido van
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Wagner, Klaus
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Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

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
Blttermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
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Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
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Hamming, Peter
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Hein, Jochen
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Koir, Klemen
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1.103 iconv 2.28

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1.105 unbound 1.4.22

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

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

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

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/getaddrinfo.c
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-->

<!-- $Id: lwres_getaddrinfo.docbook,v
 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<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>
<funcsynopsisinfo>#include <lwres/netdb.h></funcsynopsisinfo>
<funcprototype>
<funcdef>
int
<function>lwres_getaddrinfo</function></funcdef>
<paramdef>const char *hostname</paramdef>
<paramdef>const char *servname</paramdef>
<paramdef>const struct addrinfo *hints</paramdef>
<paramdef>struct addrinfo **res</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_freeaddrinfo</function></funcdef>
<paramdef>struct addrinfo *ai</paramdef>
</funcprototype>

```
</funcsynopsis>

<para>
If the operating system does
 not provide a
<type>struct addrinfo</type>,
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>
</para>

</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
<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>
<listitem>
<para>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>
<listitem>
<para>
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>
<listitem>
<para>
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>
<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>
<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
<citerefentry>

<refentrytitle>connect</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>sendto</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>,

or
<citerefentry>
<refentrytitle>sendmsg</refentrytitle><manvolnum>2
</manvolnum>
</citerefentry>
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>.
</para>
<para>
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.
</para>
</listitem>
</varlistentry>
</variablelist>
</para>

<para>
All other elements of the <type>struct addrinfo</type> passed
via <parameter>hints</parameter> must be zero.
</para>

<para>
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
<constant>PF_UNSPEC</constant>.
</para>

<para>
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>
structures.
Each
<type>struct addrinfo</type>
in this list cn be processed by following
the
<constant>ai_next</constant>
pointer, until a
<type>NULL</type>
pointer is encountered.
The three members
<constant>ai_family</constant>,
<constant>ai_socktype</constant>,
and
<constant>ai_protocol</constant>
in each
returned
<type>addrinfo</type>
structure contain the corresponding arguments for a call to
<citerefentry>
<refentrytitle>socket</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>.
For each
<type>addrinfo</type>
structure in the list, the
<constant>ai_addr</constant>
member points to a filled-in socket address structure of length
<constant>ai_addrlen</constant>.
</para>

<para>
All of the information returned by
<function>lwres_getaddrinfo()</function>
is dynamically
allocated: the addrinfo structures, and the socket
address structures and canonical host name strings pointed to by the
<constant>addrinfo</constant>structures.
Memory allocated for the dynamically allocated structures created by
a successful call to

<function>lwres_getaddrinfo()</function>
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>,

<citerefentry>
<refentrytitle>lwres_gai_strerror</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>RFC2133</refentrytitle>
</citerefentry>,

<citerefentry>
<refentrytitle>getservbyname</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>bind</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>connect</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>sendto</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>sendmsg</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>socket</refentrytitle><manvolnum>2</manvolnum>
</citerefentry>.
</para>

</refsect1>
</refentry>

Found
 in path(s):
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.docbook
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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
Language=English
%1
.

MessageId=0x3
Severity=Informational
Facility=Application
SymbolicName=BIND_INFO_MSG
Language=English
%1
.

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/win32/bindevt/bindevt.mc
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*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_neta.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_net_pton.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_pton.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getnetent.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_net_ntop.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_pw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/getservent.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/decunix/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/qnx/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_nw.c
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_pr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_pw.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/util.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/mpe/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/irs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux10/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware212/include/sys/bitypes.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/cygwin/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/bsdos2/include/sys/bitypes.h
*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix32/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware20/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_ng.c
```

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_pr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/hesiod_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/freebsd/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/hpux/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sco42/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/hesiod.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/nis_sv.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/gen_ho.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix4/include/sys/bitypes.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_netint.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 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.
*/
```

```
@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 */
#ifdef LIBISC_EXPORTS
#define LIBISC_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISC_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBDNS_EXPORTS
#define LIBDNS_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBDNS_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBISCCC_EXPORTS
#define LIBISCCC_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISCCC_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBISCCFG_EXPORTS
#define LIBISCCFG_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBISCCFG_EXTERNAL_DATA __declspec(dllimport)
#endif
#ifdef LIBBIND9_EXPORTS
#define LIBBIND9_EXTERNAL_DATA __declspec(dllexport)
#else
#define LIBBIND9_EXTERNAL_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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-->

<!-- $Id: lwres_getrrsetbyname.docbook,v
 1.1 2004/11/03 01:39:06 abstine Exp $ -->

<refentry>
<refentryinfo>

<date>Oct 18, 2000</date>
</refentryinfo>
<refmeta>
<refentrytitle>lwres_getrrsetbyname</refentrytitle>
<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>
<refnamediv>
<refname>lwres_getrrsetbyname</refname>
<refname>lwres_freerrset</refname>
<refpurpose>retrieve DNS records</refpurpose>
</refnamediv>
<refsynopsisdiv>
<funcsynopsis>
<funcsynopsisinfo>#include <lwres/netdb.h></funcsynopsisinfo>
<funcprototype>
<funcdef>
int

<function>lwres_getrrsetbyname</function></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
<function>lwres_freerrset</function></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 */
    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 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>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>
<listitem><para>
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>

<varlistentry><term><constant></constant></term>
<listitem><para>
</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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<!-- $Id: lwres_gabn.docbook,v
 1.1 2004/11/03 01:39:06 abstine Exp $ -->

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<refname>lwres_gabnresponse_render</refname>
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<title>DESCRIPTION</title>
<para>
These are low-level routines for creating and parsing
lightweight resolver name-to-address lookup request and
response messages.
</para><para>
There are four main functions for the getaddrbyname opcode.
One render function converts a getaddrbyname request structure —
<type>lwres_gabnrequest_t</type> —
to the lighweight 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 —
<type>lwres_gabnresponse_t</type> —
to the canonical format.
This is complemented by a parse function which
 converts a packet in
canonical format to a getaddrbyname response structure.
</para>
<para>
These structures are defined in
<filename><lwres/lwres.h></filename>.
They are shown below.
<programlisting>
#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          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>
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<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.
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<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>lwres_packet</refentrytitle><manvolnum>3
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sco42/include/sys/un.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/irpmarshall.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/getaddresses.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/logging.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/resolv/res_update.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/dns_nw.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/support.c
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*/
/*
* SHA-1 in C
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*
 * Test Vectors (from FIPS PUB 180-1)
* "abc"
*   A9993E36 4706816A BA3E2571 7850C26C 9CD0D89D
* "abcdbcdecdefdefgefghfghighijhijkijkljklmklmnlmnomnopnopq"
*   84983E44 1C3BD26E BAAE4AA1 F95129E5 E54670F1
* A million repetitions of "a"
*   34AA973C D4C4DAA4 F61EEB2B DBAD2731 6534016F
*/
```

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rrsig_46.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/stdlib.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/portlist.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/nsec_47.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/rrsig_46.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/sshfp_44.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/hash.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/dnskey_48.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/nsec_47.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/sshfp_44.c
*
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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.
*/
```

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mg_8.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/time.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/win32/version.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/ns_2.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mf_4.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdatatype.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/util.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/mutex.h
*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/error.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mf_4.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/condition.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/pthreads/include/isc/condition.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/error.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind9/win32/version.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/cname_5.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/ptr_12.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/cname_5.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/ns_2.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/iscc/version.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/time.h
*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mx_15.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/hinfo_13.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/md_3.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/minfo_14.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/mb_7.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/md_3.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/boolean.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/version.c
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/opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/opt_41.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/event.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/pthreads/include/isc/thread.h
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/memcluster.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/cygwin/include/ansi_realloc.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/memcluster.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/bsd/utimes.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/heap.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/list.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/heap.c
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdataslab.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/ncache.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/master.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/dispatch.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/db.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/random.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/resolver.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/interfaceiter.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/include/isc/net.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/types.h

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/ifiter_sysctl.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/net.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rbt.c
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/xfrin.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/adb.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/cert_37.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/message.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/generic/loc_29.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/net.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/message.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/dnssec.c
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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" elapased_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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.\" $Id: lwres_packet.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
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<!-- $Id: lwres_context.docbook,v
 1.1 2004/11/03 01:39:06 abstine Exp $ -->

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<refmiscinfo>BIND9</refmiscinfo>
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<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>
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<paramdef>void *arg</paramdef>
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void *
<function>lwres_context_sendrecv</function></funcdef>
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 *ctx</paramdef>
<paramdef>void *sendbase</paramdef>
<paramdef>int sendlen</paramdef>
<paramdef>void *recvbase</paramdef>
<paramdef>int recvlen</paramdef>
<paramdef>int *recvd_len</paramdef>
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<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.
</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>
<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.
</para>
<para>
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.
</para>
<para>
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>.

</para>
<para>
<function>lwres_context_sendrecv()</function>
performs I/O for the context
<parameter>ctx</parameter>.

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>.

</para>
</refsect1>
<refsect1>
<title>RETURN VALUES</title>
<para>
<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.
</para>
<para>
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.
</para>
<para>
<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.
</para>
</refsect1>
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<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
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.\" $Id: lwres_gethostent.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rcode.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/nsap-ptr_23.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/rdatasetiter.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/lib.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/lookup.c
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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
.\" 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/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/heap.mdoc
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_inetntop.html
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres.html
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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.
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*
* Equivalent code is available from RSA Data Security, Inc.
* This code has been tested against that, and is equivalent,
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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.
*/

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.\"
.\" $Id: lwres_config.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"

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*
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/parseint.c
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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@ \
 -I${top_srcdir}/lib/isc \
 -I${top_srcdir}/lib/isc/include \
 -I${top_srcdir}/lib/isc/unix/include \
 -I${top_srcdir}/lib/isc/@ISC_THREAD_DIR@/include

ISCCFG_INCLUDES = @BIND9_ISCCFG_BUILDINCLUDE@ \
     -I${top_srcdir}/lib/isccfg/include

DNS_INCLUDES = @BIND9_DNS_BUILDINCLUDE@ \
 -I${top_srcdir}/lib/dns/include \
 -I${top_srcdir}/lib/dns/sec/dst/include

OMAPI_INCLUDES = @BIND9_OMAPI_BUILDINCLUDE@ \
 -I${top_srcdir}/lib/omapi/include

LWRES_INCLUDES = @BIND9_LWRES_BUILDINCLUDE@ \
 -I${top_srcdir}/lib/lwres/include

TEST_INCLUDES = \
 -I${top_srcdir}/lib/tests/include
```

Found in path(s):
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*
* BINOS specific changes to associate memcluster with an evctx
*
* March 2014,
```

Aswin Kuppusami
*/

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/memcluster_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/memcluster_binos.c
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/*
* SHA-1 in C
* By Steve Reid <steve@edmweb.com>
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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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*
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* This code has been tested against that, and is equivalent,
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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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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/string.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/nsec.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdatalist.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/px_26.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/tkey.c

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/naptr_35.c
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.\" $Id: lwres_getaddrinfo.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getaddrinfo.3
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/md5_locl.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/dst/md5_dgst.c
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*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/include/isccfg/grammar.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/ds.c
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Found in path(s):
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*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/eventlib.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_timers.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/eventlib_p.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/include/isc/misc.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_files.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/isc/ev_connects.c
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.\"
.\" $Id: lwres_hstrerror.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"

Found
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in path(s):
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<!-- $Id: lwres_gethostent.docbook,v
1.1 2004/11/03 01:39:06 abstine Exp $ -->

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<refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo>

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<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>
<funcsynopsisinfo>#include <lwres/netdb.h></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>
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</funcprototype>
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void
<function>lwres_sethostent_r</function></funcdef>
<paramdef>int stayopen</paramdef>
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void
<function>lwres_endhostent_r</function></funcdef>
<paramdef>void</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>
<para>
These
 functions provide hostname-to-address and
address-to-hostname lookups by means of the lightweight resolver.
They are similar to the standard
<citerefentry>
<refentrytitle>gethostent</refentrytitle><manvolnum>3
</manvolnum>
</citerefentry>
functions provided by most operating systems.
They use a
<type>struct hostent</type>
which is usually 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>
</para>

<para>
The members of this structure are:
<variablelist>
<varlistentry><term><constant>h_name</constant></term>
<listitem>
<para>
The official (canonical)
 name of the host.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_aliases</constant></term>
<listitem>
<para>
A NULL-terminated array of alternate names (nicknames) for the host.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_addrtype</constant></term>
<listitem>
<para>
The type of address being returned —
<type>PF_INET</type>
or
<type>PF_INET6</type>.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_length</constant></term>
<listitem>
<para>
The length of the address in bytes.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_addr_list</constant></term>
<listitem>
<para>
A <type>NULL</type>
terminated array of network addresses for the host.
Host addresses are returned in network byte order.
</para>
</listitem></varlistentry>
</variablelist>
</para>
<para>
For backward compatibility with very old software,
<constant>h_addr</constant>
is the first address in
<constant>h_addr_list.</constant>
</para>
<para>

<function>lwres_gethostent()</function>,
<function>lwres_sethostent()</function>,
<function>lwres_endhostent()</function>,
<function>lwres_gethostent_r()</function>,
<function>lwres_sethostent_r()</function>
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>

<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> — 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> — <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> — <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><lwres/netdb.h></filename>:

<variablelist>
<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>

<listitem>
<para>
The
 host or address was not found.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>TRY_AGAIN</constant></term>
<listitem>
<para>
A recoverable error occurred, e.g., a timeout.
Retrying the lookup may succeed.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>NO_RECOVERY</constant></term>
<listitem>
<para>
A non-recoverable error occurred.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>NO_DATA</constant></term>
<listitem>
<para>
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.
</para>
</listitem></varlistentry>
</variablelist>
</para>

<para>
<citerefentry>
<refentrytitle>lwres_hstrerror</refentrytitle><manvolnum>3
</manvolnum>
</citerefentry>
translates these error codes to suitable error messages.
</para>

<para>
<function>lwres_gethostent()</function>
and
<function>lwres_gethostent_r()</function>
always
 return
<type>NULL</type>.
</para>

<para>
Successful calls to <function>lwres_gethostbyname_r()</function> and
<function>lwres_gethostbyaddr_r()</function> 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
<function>lwres_gethostbyname_r()</function> and
<function>lwres_gethostbyaddr_r()</function> set the global variable
<type>errno</type> to <errorcode>ERANGE</errorcode>.
</para>

</refsect1>
<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<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>
</para>
</refsect1>

<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>
<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>

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 1.1 2004/11/03 01:39:06 abstine Exp $ -->

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<date>Jun 30, 2000</date>
</refentryinfo>

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<manvolnum>3</manvolnum>
<refmiscinfo>BIND9</refmiscinfo>
</refmeta>

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<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>
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<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
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<paramdef>lwres_context_t *ctx</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
lwres_result_t
<function>lwres_conf_parse</function></funcdef>
<paramdef>lwres_context_t *ctx</paramdef>
<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>,
<citerefentry>
<refentrytitle>resolver</refentrytitle><manvolnum>5</manvolnum>
</citerefentry>.
</refsect1>
<refsect1>
<title>FILES</title>
<para>
<filename>/etc/resolv.conf</filename>
</para>
</refsect1>
</refentry>

Found
in path(s):
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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/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwinetpton.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/symtab.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/inet_ntop.c
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*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/result.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/time.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/base64.c

* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/task.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/rwlock.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/time.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/rwlock.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-etags)

#
# 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 "$host" in
  *-dec-osf*)
   CC="cc"
   ;;
  *-solaris*)
                    # Use Sun's cc if it is available, but watch
                    # out for /usr/ucb/cc; it will never be the right
                    # compiler to use.
                    #
                    # If setting CC here fails, the AC_PROG_CC done
                    # below might still find gcc.
   IFS="${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"
```

```
  ;;
 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/sockio.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
 ])
 ;;
no)
 case ac_cv_header_sys_select_h
 in
 yes)
          ISC_PLATFORM_NEEDSYSSELECTH="#define ISC_PLATFORM_NEEDSYSSELECTH 1"
```

```
 ;;
 no)
  AC_MSG_ERROR([need either unistd.h or sys/select.h])
 ;;
 esac
 ;;
esac
AC_SUBST(ISC_PLATFORM_NEEDSYSSELECTH)

#
# Find the machine's endian flavor.
#
AC_C_BIGENDIAN

AC_ARG_WITH(irs-gr,[ --with-irs-gr  Build ....],
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-pw  Build ....],
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-nis  Build ....],
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}"
 case "$want_irs_gr" in
 yes)
  WANT_IRS_NISGR_OBJS="\${WANT_IRS_NISGR_OBJS}";;
 *)
  WANT_IRS_NISGR_OBJS="";;
 esac
```

```
 case "$want_irs_pw" in
 yes)
  WANT_IRS_NISPW_OBJS="\${WANT_IRS_NISPW_OBJS}";;
 *)
  WANT_IRS_NISPW_OBJS="";;
 esac
 ;;
*)
 WANT_IRS_NIS="#undef WANT_IRS_NIS"
 WANT_IRS_NIS_OBJS=""
 WANT_IRS_NISGR_OBJS=""
 WANT_IRS_NISPW_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])
  ;;
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

   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 $LIBS"
    CPPFLAGS="$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.
  #
  *-bsdi3.*|*-bsdi4.0*)
   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)
  ;;
 *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 "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 "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="$CC -Ae -z"
  # The version of the C compiler that constantly warns about
            # 'const' as well as alignment issues is unfortunately not
            # able to be discerned via the version of the operating
            # system, nor does cc have a version flag.
  case
 "`$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 = "\t" $i; a[$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(MKDEPCC)
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 "$use_purify" in
 no)
  ;;
 yes)
  AC_PATH_PROG(purify_path,
 purify, purify)
  ;;
 *)
  purify_path="$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 signficant.
#

#
# 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.
#
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"])

  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"
 ;;
esac

AC_SUBST(HAS_INET6_STRUCTS)
AC_SUBST(ISC_PLATFORM_NEEDNETINETIN6H)
AC_SUBST(ISC_PLATFORM_NEEDNETINET6IN6H)
AC_SUBST(HAS_IN_ADDR6)
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); 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"
      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
 *-bsdi[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";;
 *-bsdi2*) 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*uw2.1.2*) 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)
 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_CHECK_FUNC(getnameinfo,
      [ISC_LWRES_GETNAMEINFOPROTO="#undef ISC_LWRES_GETNAMEINFOPROTO"],
      [ISC_LWRES_GETNAMEINFOPROTO="#define ISC_LWRES_GETNAMEINFOPROTO 1"])
AC_CHECK_FUNC(getaddrinfo,
      [ISC_LWRES_GETADDRINFOPROTO="#undef ISC_LWRES_GETADDRINFOPROTO"
 AC_DEFINE(HAVE_GETADDRINFO)],
      [ISC_LWRES_GETADDRINFOPROTO="#define ISC_LWRES_GETADDRINFOPROTO 1"])
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="#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_EXTRA_OBJS="$ISC_EXTRA_OBJS print.$O"
  ISC_EXTRA_SRCS="$ISC_EXTRA_SRCS print.c"
  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)
 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)
 ISC_PLATFORM_QUADFORMAT='#define ISC_PLATFORM_QUADFORMAT
 "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"
,
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_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"
],
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)],
[
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>
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="#undef 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 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
#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_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_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([
#undef _REENTRANT
```

```
#define _REENTRANT
#undef __USE_MISC
#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([
#undef _REENTRANT
#define _REENTRANT
#undef __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([
#undef _REENTRANT
#define _REENTRANT
#undef __USE_MISC
#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"],
)
)
)
,
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)

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_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
*bsdi*)
 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 *"
,
)
,
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(setpassent_r,,AC_DEFINE(NEED_SETPASSENT_R))
AC_CHECK_FUNC(setpassent,,AC_DEFINE(NEED_SETPASSENT))

AC_CHECK_FUNC(setpwent_r,
AC_TRY_COMPILE([
#include <pwd.h>
void setpwent_r(FILE **pwfp);
], ,
PASS_R_SET_RESULT="#undef 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="#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 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 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"
]
,
)
)
,
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_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);
]
,,
[
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="#undef SETNETGRENT_ARGS"
]
,
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 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_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}${RELEASETYPE}${RELE
ASEVER}"
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:

Found in path(s):
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/configure.in
No license file was found, but licenses were detected in source scan.

/*
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/hmacmd5.c
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/stdio.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/keyboard.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/include/isc/condition.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/context.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/nothreads/condition.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/resource.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/include/dst/gssapi.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/os.c
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/version.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/fsaccess.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/lang.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/gai_strerror.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/soa.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/gssapictx.c
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 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/ntgroups.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/win32/DLLMain.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/strerror.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/include/isccfg/log.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/DLLMain.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/version.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccc/include/isccc/version.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/ntgroups.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/bindevt.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/key.c
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* @(#)cdefs.h 8.7 (Berkeley) 1/21/94
*/

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.\"
.\" $Id: lwres_getnameinfo.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"

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 in path(s):
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getnameinfo.3
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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_NEEDNETINETIN6H@

/*
* Define if this system needs the <netinet6/in6.h> header file for IPv6.
*/
@LWRES_PLATFORM_NEEDNETINET6IN6H@

/*
* If sockaddrs 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 delared.
*/
@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*).
*/
@LWRES_PLATFORM_NEEDSPRINTF@

#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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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/include/lwres/platform.h.in
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/irs/lcl_gr.c
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.\" $Id: lwres_getrrsetbyname.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"

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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/1130449963_1615189022.84/0/lib-tar/lib/lwres/unix/include/lwres/net.h
*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/include/isc/ipv6.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/gssapi_link.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/fsaccess.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/errno2result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/pthreads/mutex.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/unix/errno2result.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/file.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/sec/dst/include/dst/dst.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/lwres_gnba.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/request.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/os.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/win32/entropy.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isccfg/include/isccfg/cfg.h
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```
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.\"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
.\" .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)
.\" .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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.\" $Id: memcluster.mdoc,v 1.1 2004/11/03 01:39:04 abstine Exp $
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.\"Dt DOCUMENT_TITLE [section number] [volume]
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.\" .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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*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_verify.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/nameser/ns_sign.c
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*
 /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/heap.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/assertions.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/include/isc/mem.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/heap.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/isc/assertions.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>
<funcsynopsisinfo>#include <lwres/netdb.h></funcsynopsisinfo>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_getipnodebyname</function></funcdef>
<paramdef>const char *name</paramdef>
<paramdef>int af</paramdef>
<paramdef>int flags</paramdef>
<paramdef>int *error_num</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
struct hostent *
<function>lwres_getipnodebyaddr</function></funcdef>
<paramdef>const void *src</paramdef>
<paramdef>size_t len</paramdef>
<paramdef>int
 af</paramdef>
<paramdef>int *error_num</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
void
<function>lwres_freehostent</function></funcdef>
<paramdef>struct hostent *he</paramdef>
</funcprototype>
</funcsynopsis>
</refsynopsisdiv>

<refsect1>
<title>DESCRIPTION</title>

<para>
These functions perform thread safe, protocol independent
nodename-to-address and address-to-nodename
translation as defined in RFC2553.
</para>

<para>
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>
</para>

<para>
The members of this structure
 are:
<variablelist>
<varlistentry><term><constant>h_name</constant></term>
<listitem>
<para>
The official (canonical) name of the host.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_aliases</constant></term>
<listitem>
<para>
A NULL-terminated array of alternate names (nicknames) for the host.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_addrtype</constant></term>
<listitem>
<para>
The type of address being returned - usually
<type>PF_INET</type>
or
<type>PF_INET6</type>.

</para>
</listitem></varlistentry>
<varlistentry><term><constant>h_length</constant></term>
<listitem>
<para>
The length of the address in bytes.
</para>

</listitem></varlistentry>
<varlistentry><term><constant>h_addr_list</constant></term>
<listitem>
<para>
A
<type>NULL</type>
terminated array of network addresses for the host.
Host addresses are returned in network byte order.
</para>
</listitem></varlistentry>
</variablelist>
</para>
<para>
<function>lwres_getipnodebyname()</function>
looks
 up addresses of protocol family
<parameter>af</parameter>

for the hostname
<parameter>name</parameter>.

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:
<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>
</para>
<para>
<function>lwres_getipnodebyaddr()</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><lwres/netdb.h></filename>:
<variablelist>
<varlistentry><term><constant>HOST_NOT_FOUND</constant></term>
<listitem>
<para>
No such host is known.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>NO_ADDRESS</constant></term>
<listitem>
<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>
</listitem></varlistentry>
<varlistentry><term><constant>TRY_AGAIN</constant></term>
<listitem>
<para>
A temporary and possibly
transient error occurred, such as a
failure of a server to respond. The request may succeed if
retried.
</para>
</listitem></varlistentry>
<varlistentry><term><constant>NO_RECOVERY</constant></term>
<listitem>
<para>

An unexpected failure occurred, and retrying the request
is pointless.
</para>
</listitem></varlistentry>
</variablelist>
</para>
<para>
<citerefentry>
<refentrytitle>lwres_hstrerror</refentrytitle><manvolnum>3
</manvolnum>
</citerefentry>
translates these error codes to suitable error messages.
</para>
</refsect1>
<refsect1>
<title>SEE ALSO</title>
<para>
<citerefentry>
<refentrytitle>RFC2553</refentrytitle>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_gethostent</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
<refentrytitle>lwres_getaddrinfo</refentrytitle><manvolnum>3</manvolnum>
</citerefentry>,

<citerefentry>
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</citerefentry>,

<citerefentry>
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in path(s):
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/lwres/man/lwres_getipnode.docbook

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.\" $Id: lwres_inetntop.3,v 1.1 2004/11/03 01:39:06 abstine Exp $
.\"

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<!-- $Id: lwres_resutil.docbook,v
 1.1 2004/11/03 01:39:06 abstine Exp $ -->

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<refentryinfo>
<date>Jun 30, 2000</date>
</refentryinfo>

<refmeta>
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 <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>
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<function>lwres_string_parse</function></funcdef>
<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>char **c</paramdef>
<paramdef>lwres_uint16_t *len</paramdef>
</funcprototype>
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<funcdef>
lwres_result_t
<function>lwres_addr_parse</function></funcdef>
<paramdef>lwres_buffer_t *b</paramdef>
<paramdef>lwres_addr_t *addr</paramdef>
</funcprototype>
<funcprototype>
<funcdef>
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>
<funcprototype>
<funcdef>
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>
</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->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->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->address</constant> and
<constant>addr->length</constant> indicates the size in bytes of
the address that was copied. <constant>b->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_gabnresponse_t;
</programlisting>
The contents of this structure are not manipulated directly but
they are controlled through the
<citerefentry>
<refentrytitle>lwres_gabn</refentrytitle><manvolnum>3
</manvolnum>
</citerefentry>
functions.
</para>

<para>
The lightweight resolver uses
<function>lwres_getaddrsbyname()</function> to perform foward 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>
<function>lwres_getnamebyaddr()</function> performs reverse lookups.
Resolver context <parameter>ctx</parameter> is used for memory
allocation. The address type is indicated by
<parameter>addrtype</parameter>: <type>LWRES_ADDRTYPE_V4</type> or

<type>LWRES_ADDRTYPE_V6</type>. The address to be looked up is given
by <parameter>addr</parameter> and its length is
<parameter>addrlen</parameter> bytes. The result of the function call
is made available through <parameter>*structp</parameter>.
</para>
</refsect1>

<refsect1>
<title>RETURN VALUES</title>
<para>
Successful calls to
<function>lwres_string_parse()</function>
and
<function>lwres_addr_parse()</function>
return
<errorcode>LWRES_R_SUCCESS.</errorcode>
Both
 functions return
<errorcode>LWRES_R_FAILURE</errorcode>
if the buffer is corrupt or
<errorcode>LWRES_R_UNEXPECTEDEND</errorcode>
if the buffer has less space than expected for the components of the
encoded string or address.
</para>
<para>
<function>lwres_getaddrsbyname()</function>
returns
<errorcode>LWRES_R_SUCCESS</errorcode>
on success and it returns
<errorcode>LWRES_R_NOTFOUND</errorcode>
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_getaddrsbyname()</function>
and
<function>lwres_getnamebyaddr()</function>
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>
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</para>

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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_makeaddr.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/inet/inet_lnaof.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/acl.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/include/dns/master.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/rdata/in_1/aaaa_28.c
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/dns/tsig.c
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/rhapsody/include/sys/bitypes.h
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* eventlib definitions specific to binos
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/lynxos/include/sys/cdefs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/sco42/include/sys/cdefs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/cygwin/include/sys/cdefs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/next/include/sys/cdefs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/aix32/include/sys/cdefs.h
* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/mpe/include/sys/cdefs.h
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* /opt/cola/permits/1130449963_1615189022.84/0/lib-tar/lib/bind/port/unixware212/include/sys/cdefs.h
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1.119 iputils 20180629-6.el8

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*--
* ip_parser_linkpoints.h - IP related parser linkpoint decls.
*
* April, 2005
*
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*
*--
*/

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* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/include/ip_parser_linkpoints.h
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/*
*--

```
* util_ip.c -- miscellaneous ip specific utility routines
*
* Feb 2008, Hiral mehta
*
* Copyright (c) 2008, 2014 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

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* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/src/ip_util.c
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```
# All rights reserved.
```

Found in path(s):
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/include/reg/ip_15_registry.reg
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/makefile
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/expl_path/makefile
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/src/src.mk
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/expl_path/src/src.mk
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```
/*
*------------------------------------------------------------------
* ipaddress_api.h
*
* Febuary 2004
*
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* All rights reserved.
*------------------------------------------------------------------
*/
```

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```
/*
*------------------------------------------------------------------
* ip_parser_macros.h - IP* macros moved out of
*    sys/parser/macros.h
*
* November, 2004
*
* Copyright (c) 2004, 2009-2010 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
```

```
*
*/
```

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```
/*------------------------------------------------------------------
* ip_15_registry.h -- Registration Points for IP_15 support
*
* August 2006, Krishna Kumar Maurya
*
* Copyright (c) 2006-2008 by cisco Systems, Inc.
* 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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* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/include/ip_15_registry.h
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```
/*
*------------------------------------------------------------------
* ip_parser_linkpoints.c - IP related parser linkpoint definitions.
*
* April, 2005
*
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*
*------------------------------------------------------------------
*/
```

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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):
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```

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

Found in path(s):
* /opt/cola/permits/1130449866_1615188952.97/0/ip-tar/ip/include/ip_util.h

1.120 libsemanage-common 2.9-4.el8

1.120.1 Available under license :

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1.121 elfutils 0.182-3.el8

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* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/datastore.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/structdef.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/ActionTable.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/fixup_parser_extension.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/LinkTable.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SimpleELF.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/Makefile
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/extract_func_calls.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/codegen.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/StructFormat.py
*
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* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/CmdSelector.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/parser_bin_tool.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SymbolTable.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/extract_address.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/Traverser.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/graph_algo.py
*
/opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/actionenum.py
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* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/SimpleTraverser.py
* /opt/cola/permits/1130449857_1615191950.34/0/elfutils-tar/binary_tool/tdlutils.py
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* lua_ex_api.h
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parser_bin_tool_readme.html

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1.122 systemd 239-43.el8

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Found license 'GNU Lesser General Public License' in '# systemd is free software; you can redistribute it and/or modify it # under the terms of the GNU Lesser General Public License as published by # the Free Software

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1.123 iptables 1.8.4-16.el8

1.123.1 Available under license :

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#
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#
This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd usr/sbin/rpc.nfsd

(include nfs-common)
The following optional kernel modules are put here to allow forwarding
compatable when NFSV4 support is configured in kenrel.
When nfsv4 is enabled in kernel, it brings in extra dependency for
nfsd.ko, which is needed for nfsv3 verver.
#
 so treat extra modules needed by nfsd.ko as optional since it depend on kernel
configure.
#
nfsd.ko depend on auth_rpcgss.ko
auth_rpcgss.ko depend on oid_registry.ko

-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv3/nfs-utils
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(include systemd-common)

infra/systemd/switchroot/sysinit.target usr/lib/systemd/system/sysinit.target
infra/systemd/switchroot/systemd-journald.service usr/lib/systemd/system/systemd-journald.service
infra/systemd/switchroot/systemd-timedated.service usr/lib/systemd/system/systemd-timedated.service
infra/systemd/switchroot/systemd-udevd.service usr/lib/systemd/system/systemd-udevd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-audit.socket usr/lib/systemd/system/systemd-journald-audit.socket

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemd-swrt
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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/journalctl usr/bin/journalctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemctl usr/bin/systemctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-inhibit usr/bin/systemd-inhibit
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-notify usr/bin/systemd-notify
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-tmpfiles usr/bin/systemd-tmpfiles
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/udevadm usr/bin/udevadm
contrib/yocto/CGE7/journald.conf etc/systemd/journald.conf
infra/systemd/system.conf etc/systemd/system.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/systemd/user.conf etc/systemd/user.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/udev/udev.conf etc/udev/udev.conf
/usr/lib/systemd/systemd init
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-generators/systemd-fstab-generator usr/lib/systemd/system-generators/systemd-fstab-generator
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/basic.target usr/lib/systemd/system/basic.target
/usr/lib/systemd/system/reboot.target usr/lib/systemd/system/ctrl-alt-del.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-hugepages.mount usr/lib/systemd/system/dev-hugepages.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-mqueue.mount usr/lib/systemd/system/dev-mqueue.mount
infra/systemd/emergency.service usr/lib/systemd/system/emergency.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/emergency.target usr/lib/systemd/system/emergency.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/final.target usr/lib/systemd/system/final.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/halt.target usr/lib/systemd/system/halt.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/kexec.target usr/lib/systemd/system/kexec.target

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/local-fs-pre.target
usr/lib/systemd/system/local-fs-pre.target
infra/systemd/local-fs.target usr/lib/systemd/system/local-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network-online.target
usr/lib/systemd/system/network-online.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network.target
usr/lib/systemd/system/network.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/paths.target
usr/lib/systemd/system/paths.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/poweroff.target
usr/lib/systemd/system/poweroff.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/reboot.target
usr/lib/systemd/system/reboot.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/remote-fs.target
usr/lib/systemd/system/remote-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.service
usr/lib/systemd/system/rescue.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.target
usr/lib/systemd/system/rescue.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/shutdown.target
usr/lib/systemd/system/shutdown.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/slices.target
usr/lib/systemd/system/slices.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sockets.target
usr/lib/systemd/system/sockets.target
/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/sockets.target.requires/systemd-journald.socket
/usr/lib/systemd/system/systemd-udevd-control.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udevd-control.socket
/usr/lib/systemd/system/systemd-udevd-kernel.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udevd-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sys-kernel-config.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sys-kernel-debug.mount
/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/sysinit.target.wants/dev-hugepages.mount
/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/sysinit.target.wants/dev-mqueue.mount
/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-config.mount
/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-debug.mount
/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journal-flush.service
/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journald.service
/usr/lib/systemd/system/systemd-modules-load.service

usr/lib/systemd/system/sysinit.target.wants/systemd-modules-load.service
/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/sysinit.target.wants/systemd-sysctl.service
/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup-dev.service
/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup.service
/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev-trigger.service
/usr/lib/systemd/system/systemd-udevd.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udevd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-halt.service
usr/lib/systemd/system/systemd-halt.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/systemd-journal-flush.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-dev-log.socket
usr/lib/systemd/system/systemd-journald-dev-log.socket
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-fsck@.service
usr/lib/systemd/system/systemd-fsck@.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/systemd-journald.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-kexec.service
usr/lib/systemd/system/systemd-kexec.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/systemd-modules-load.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-poweroff.service
usr/lib/systemd/system/systemd-poweroff.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-reboot.service
usr/lib/systemd/system/systemd-reboot.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/systemd-sysctl.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/systemd-tmpfiles-setup.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-settle.service
usr/lib/systemd/system/systemd-udev-settle.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/systemd-udev-trigger.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udevd-control.socket
usr/lib/systemd/system/systemd-udevd-control.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udevd-kernel.socket
usr/lib/systemd/system/systemd-udevd-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/timers.target
usr/lib/systemd/system/timers.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/time-sync.target

usr/lib/systemd/system/time-sync.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/umount.target
usr/lib/systemd/system/umount.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd usr/lib/systemd/systemd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-socket-activate usr/bin/systemd-socket-activate
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-bootchart
usr/lib/systemd/systemd-bootchart
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-fsck
usr/lib/systemd/systemd-fsck
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-journald usr/lib/systemd/systemd-journald
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-modules-load
usr/lib/systemd/systemd-modules-load
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-shutdown
usr/lib/systemd/systemd-shutdown
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-sysctl usr/lib/systemd/systemd-sysctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-timedated
usr/lib/systemd/systemd-timedated
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-udevd usr/lib/systemd/systemd-udevd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/50-udev-default.rules
usr/lib/udev/rules.d/50-udev-default.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/99-systemd.rules
usr/lib/udev/rules.d/99-systemd.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-analyze usr/bin/systemd-analyze
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/machine.slice
usr/lib/systemd/system/machine.slice
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-journald.service.d/visible.conf

infra/systemd/sysctl/inotify-user-instances.conf etc/sysctl.d/inotify-user-instances.conf

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemd-common
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#
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(include all-common)

(include systemd-swrt)

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/all-swrt

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#files related to nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify usr/sbin/sm-notify
infra/systemd/nfs-statd.service usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat usr/sbin/nfsstat

#files related to nfs-idmapd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.idmapd usr/sbin/rpc.idmapd
infra/systemd/var-lib-nfs-rpc_pipefs.mount usr/lib/systemd/system/var-lib-nfs-rpc_pipefs.mount
plugin nsswitch for rpc.idmapd can not be figure out automatilly by dependency.
The dirctory for plugin is fix to usr/lib/libnfsidmap
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/${LIB}/libnfsidmap/nsswitch.so usr/lib/libnfsidmap/nsswitch.so
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/idmapd.conf
    etc/idmapd.conf
infra/systemd/nfs-idmapd.service usr/lib/systemd/system/nfs-idmapd.service

contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf etc/nfs-utils.conf

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv4/nfs-common
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#
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#
This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd usr/sbin/rpc.nfsd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rpcinfo usr/bin/rpcinfo

(include nfs-common)
The following kernel modules are needed when NFSV4 support is configured
in kenrel.
nfsd.ko depend on auth_rpcgss.ko
auth_rpcgss.ko depend on oid_registry.ko

-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv4/nfs-utils
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This file is to store extra files needed to support NFSV4 client.
#
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs usr/sbin/mount.nfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs usr/sbin/umount.nfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs4 usr/sbin/mount.nfs4
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs4 usr/sbin/umount.nfs4

contrib/initscripts/binos/etc/${NFS_VER}/nfsmount.conf etc/nfsmount.conf
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko
usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko

(include nfs-common)

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv4/nfs-utils-client
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(include systemd-common)

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-preset/90-systemd.preset
usr/lib/systemd/system-preset/90-systemd.preset
/usr/lib/systemd/system/tmp.mount usr/lib/systemd/system/local-
fs.target.requires/tmp.mount
infra/systemd/sysinit.target usr/lib/systemd/system/sysinit.target
infra/systemd/cpld-symlink.service usr/lib/systemd/system/cpld-symlink.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/systemd-journald.service
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-timedated.service

usr/lib/systemd/system/systemd-timedated.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udevd.service
usr/lib/systemd/system/systemd-udevd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/tmp.mount
usr/lib/systemd/system/tmp.mount

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemd
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#
May 2018, Victor Kamensky
#
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#

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditd usr/sbin/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/audispd usr/sbin/audispd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/autrace usr/sbin/autrace
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/aureport usr/sbin/aureport
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditctl usr/sbin/auditctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/ausearch usr/sbin/ausearch

contrib/initscripts/binos/etc/audit/auditd.conf etc/audit/auditd.conf
contrib/initscripts/binos/etc/audisp/audispd.conf etc/audisp/audispd.conf
contrib/initscripts/binos/etc/audit/audit.rules etc/audit/audit.rules
contrib/initscripts/binos/etc/audisp/plugins.d/syslog.conf etc/audisp/plugins.d/syslog.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/default/auditd
etc/default/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/libaudit.conf etc/libaudit.conf

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/audit
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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcalc usr/bin/ipcalc

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/ipcalc
No license file was found, but licenses were detected in source scan.

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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/staprun usr/bin/staprun
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/libexec/systemtap/stapio usr/libexec/systemtap/stapio

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/systemtap
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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify usr/sbin/sm-notify
infra/systemd/nfs-statd.service usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat usr/sbin/nfsstat

contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf etc/nfs-utils.conf

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/nfsv3/nfs-common
No license file was found, but licenses were detected in source scan.

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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/dmesg usr/bin/dmesg
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/kill usr/bin/kill
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/mount usr/bin/mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/umount usr/bin/umount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/agetty usr/sbin/agetty
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/blockdev usr/sbin/blockdev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/cfdisk usr/sbin/cfdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/ctrlaltdel usr/sbin/ctrlaltdel
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdisk usr/sbin/fdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fsck usr/sbin/fsck
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/hwclock usr/sbin/hwclock
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mkswap usr/sbin/mkswap
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/pivot_root
usr/sbin/pivot_root
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sfdisk usr/sbin/sfdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/swapoff usr/sbin/swapoff
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/swapon usr/sbin/swapon
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/arch usr/bin/arch
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/cal usr/bin/cal
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/chrt usr/bin/chrt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/col usr/bin/col
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/colcrt usr/bin/colcrt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/colrm usr/bin/colrm

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/column usr/bin/column
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/flock usr/bin/flock
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/getopt usr/bin/getopt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/hexdump usr/bin/hexdump
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ionice usr/bin/ionice
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcrm
usr/bin/ipcrm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcs usr/bin/ipcs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/isosize usr/bin/isosize
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/last usr/bin/last
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/logger usr/bin/logger
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/look usr/bin/look
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/lsblk usr/bin/lsblk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/mesg usr/bin/mesg
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/namei usr/bin/namei
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/newgrp usr/bin/newgrp
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/nsenter usr/bin/nsenter
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rename usr/bin/rename
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/renice usr/bin/renice
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rev usr/bin/rev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/script usr/bin/script
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/setsid
usr/bin/setsid
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/setterm usr/bin/setterm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/taskset usr/bin/taskset
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ul usr/bin/ul
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/wall usr/bin/wall
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/whereis usr/bin/whereis
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/write usr/bin/write
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdformat usr/sbin/fdformat
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mkfs usr/sbin/mkfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/raw usr/sbin/raw
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/zramctl usr/sbin/zramctl

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/util-linux
No license file was found, but licenses were detected in source scan.

#
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(include audit)
(include bash)
(include binutils)
(include bridge-utils)
(include busybox)
(include bzip2)

(include coreutils)
(include cpio)
(include dbus)
(include diffutils)
(include dosfstools)
(include e2fsprogs)
(include ethtool)
(include file)
(include filesystem)
(include findutils)
(include gawk)
(include glibc)
(include grep)
(include gzip)
(include initscripts)
(include ipcalc)
(include iproute2)
(include iptables)
(include iputils)
(include kexec-tools)
(include kmod)
(include less)
(include libcap)
(include lsof)
(include modules)
(include ncurses)
(include netbase)
(include netcat)
(include netkit-telnet)
(include net-tools)
(include ${NFS_VER}/nfs-utils-client)
(include pciutils)
(include procps)
(include psmisc)
(include rpcbind)
(include sed)
(include shadow)
(include strace)
(include sysklogd)
(include systemtap)
(include sysvinit)
(include
 tar)
(include tcpdump)
(include tftp-hpa)
(include traceroute)
(include util-linux)

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/all-common
No license file was found, but licenses were detected in source scan.

#
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(include all-common)

(include systemd)

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/all
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#
November 2018, Cisco Systems, Inc.
#
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#
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ping usr/bin/ping
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/tracepath usr/bin/tracepath
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/in.tftpd-hpa usr/bin/tftpd

Found in path(s):
* /opt/cola/permits/1130450074_1615190715.28/0/iptables-tar/linux-system/iputils

1.124 zlib 1.2.11-17.el8

1.124.1 Available under license :

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1.125 libsolv 0.7.16-1.el8

1.125.1 Available under license :

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1.126 dnf 4.4.2-2.el8

1.126.1 Available under license :

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```
/*
*----------------------------------------------------------------------------
* erp_io.c - ERP IO common code
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2011, 2016-2017 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io.c
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------------------
* erp_ctrl_ha.c - ERP Controller HA common code
*
* Sep 2010, Ramachandran Ramanujalu
*
* Copyright (c) 2010-2011, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl_ha.c
No license file was found, but licenses were detected in source scan.

```
#
# erp_ring.zn - Oxide rules file
#
# June 2018, Gangadhara Valluri
#
# Copyright (c) 2018 by cisco Systems, Inc.
# All rights reserved.
#

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;

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ring.zn
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* erp_ctrl_sm.c
* G.8032 ERP Controller state machine
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2020 by Cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl_sm.c
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------------------
* erp_io.sm - Ethernet Ring Protection Controller state machine
*
* June 2010, Viet Nguyen
*
* Copyright (c) 2010-2011, 2019 by Cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------------------
*/

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_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_null, B_Protection) /* wait ack */
```

```
  XOS_SM_TRANSITION(aps_ms, erp_io_sm_action_null, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(ms, erp_io_sm_action_null, 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_null, 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_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_null, 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

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io.sm
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------
* erp_pdb.h
* G.8032 Profile Database
*
* July 2010, Mark Bilstad
*
* Copyright (c) 2010-2012, 2019 by Cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_pdb.c
No license file was found, but licenses were detected in source scan.

/*
*------------------------------------------------------------------------------
* erp_common.c - ERP common code
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2011 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_common.c
```

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

```
/*
*----------------------------------------------------------------
* erp_debug.c - G.8032 Ethernet Ring Protection debug routines
*
* June 2010, Viet Nguyen
*
* Copyright (c) 2010-2012, 2019 by Cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_debug.c
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------------------
* erp_io_pak.c - ERP IO packet handling source file
*
* August 2010, Ramachandran Ramanujalu
*
* Copyright (c) 2010-2014 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io_pak.c
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```
/*
*----------------------------------------------------------------------------
* erp_ctrl.sm - Ethernet Ring Protection Controller state machine
*
* June 2010, Viet Nguyen
*
* Copyright (c) 2010-2011, 2019 by Cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------------------
*/

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_null, 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_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */
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_null, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(aps_ms, erp_ctrl_sm_action_null, B_Protection) /* wait ack */
  XOS_SM_TRANSITION(ms, erp_ctrl_sm_action_null,
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_null, 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_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(local_clear_sf,
erp_ctrl_sm_action_null, C_ManualSwitch)
  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(local_clear_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_rb, erp_ctrl_sm_action_null, D_ForcedSwitch) /* wait ack */
  XOS_SM_TRANSITION(aps_nr, erp_ctrl_sm_action_aps_nr, 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_local_sf,
            E_Pending) /* wait ack */
  XOS_SM_TRANSITION(local_clear_sf, erp_ctrl_sm_action_null, E_Pending) /* wait ack */
  XOS_SM_TRANSITION(aps_sf, erp_ctrl_sm_action_aps_sf, E_Pending) /* wait ack */
  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)
  XOS_SM_TRANSITION(init, erp_ctrl_sm_action_init, init) /* wait ack */
XOS_SM_STATE_END

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl.sm
No license file was found, but licenses were detected in source scan.

/*
*-----------------------------------------------------------------------------
* erp_ctrl.c - ERP Controller common code
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2014, 2016-2019, 2021 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------------------
*/

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ctrl.c
```

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

/*
*--
* erp_ridb.c
* G.8032 Ring/Instance Database
*
* July 2010, Mark Bilstad
*
* Copyright (c) 2010-2014, 2016, 2019 by Cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_ridb.c
No license file was found, but licenses were detected in source scan.

/*
*--
* erp_io_ha.c - ERP IO HA common code
*
* Sep 2010, Ramachandran Ramanujalu
*
* Copyright (c) 2010-2011 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io_ha.c
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/*
*--
* erp_cfg_parser.c - ERP config parser code
*
* August 2011
*
* Copyright (c) 2011-2012, 2016-2017, 2019 by cisco Systems, Inc.
* All rights reserved.
*--
*/

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* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_cfg_parser.c
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```
/*
*---------------------------------------------------------------------
* erp_io_sm.c
* G.8032 ERP IO state machine
*
* July 2010, Viet Nguyen
*
* Copyright (c) 2010-2012, 2014-2017, 2019 by Cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------------
*/
```

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* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_io_sm.c
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```
/*
*---------------------------------------------------------------------------
* erp_pd_caps_stubs.c - ERP Controller stub file
*
* July 2010, Ramachandran Ramanujalu
*
* Copyright (c) 2010-2011 by cisco Systems, Inc.
* All rights reserved.
*---------------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450014_1615191955.57/0/dnf-tar/src/erp_pd_caps_stubs.c

1.127 libpwquality 1.4.4-1.el8

1.127.1 Available under license :

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```
/*
* pw_const.tph
*
* Copyright (c) 2019 by Cisco Systems, Inc.
* All rights reserved.
*/

@DIRECTIVES{
  auto_import_stg = false;
  skip_auto_tdl_include = true;
}@
```

```
@IMPORT_STG{
  import "constant_gen.stg";
}@

@TDL{
  import "pw_const.tdl"
}@

@CODE{

#ifndef __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/1130450000_1615189192.83/0/pw-tar/pw/include/pw_const.tph
No license file was found, but licenses were detected in source scan.

```
/*
* pw.c
*
* AAA password routines, adopted from IOX
*
* January 2005, Naiming Shen
* July 2005, Craig MacFarlane
*
* Copyright (c) 2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
* All rights reserved.
*
*------------------------------------------------------------------
* pw.c -- password encryption/decryption routines
*
* May 08 2000, Mark Eklund
*
* Copyright (c) 2002-2005, 2007, 2010, 2014-2015, 2018 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/src/pw.c
No license file was found, but licenses were detected in source scan.

```
/*
* pw.h
*
* Password routines, adopted from IOX
*
* May 2000 Mark Eklund
* July 2005, Craig MacFarlane
*
* Copyright (c) 2000-2005, 2007, 2010, 2014, 2018 by cisco Systems, Inc.
* All rights reserved.
*/
/*
* 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.
*
* item: PW_TYPE_2WAY
*       The Cisco type 7 password encryption.  This is reversible
*  by both Cisco products and several public domain programs.
*/
```

Found in path(s):
* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/include/pw.h
No license file was found, but licenses were detected in source scan.

```
/*
* pw_defs.h
*
* Password defines.
*
* July 2005, Craig MacFarlane
*
* Copyright (c) 2005, 2007, 2010, 2014, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*
*/
```

Found in path(s):
* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/include/pw_defs.h

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Found in path(s):
* /opt/cola/permits/1130450000_1615189192.83/0/pw-tar/pw/Makefile.binos

1.128 shadow-utils 4.6-12.el8

1.128.1 Available under license :

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* /opt/cola/permits/1130449954_1615183583.0/0/shadow-tar/shadow/Makefile
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* $Id: port.c 1.11 Broadcom SDK $
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* WHICHEVER IS GREATER. THESE LIMITATIONS SHALL APPLY NOTWITHSTANDING
* ANY FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITED REMEDY.$
*
* File: port.c
* Purpose: Manages untagged priority setting for port
*/

Found in path(s):
* /opt/cola/permits/1130449954_1615183583.0/0/shadow-tar/shadow/port.c

1.129 gzip 1.9-11.el8

1.129.1 Available under license :

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Version 3, 29 June 2007

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This is free software, and you are welcome to redistribute it
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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

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1.131 iproute 5.9.0-1.el8

1.131.1 Available under license :

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

```
/*
*------------------------------------------------------------------
* msg_iproute.c - Message file for iproute facility
*
* July 17, 1990, Kevin Paul Herbert
*
* Copyright (c) 1990-2013, 2015-2017, 2019 by Cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/msg_iproute.rc
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```
/*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_actions_registry.c
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```
/* $id: iprouting_actions.c,v 3.2.60.2 1996/08/23 22:02:29 jserpa 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 3.2.60.2  1996/08/23  22:02:29  jserpa
* CSCdi67021:  router ospf <as> gets nv-ramed in reverse order of
* configuration
* Branch: California_branch
*
* Revision 3.2.60.1  1996/04/15  21:18:11  bcole
* CSCdi54649:  IP Host Modularity, IP Automatic Stub Routing feature
* commit
* Branch: California_branch
*
* 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.
*
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_actions.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* iprouting_registry.c
*
* September 2001, Fan Kong
*
* Copyright (c) 2001, 2003, 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_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
*
* Copyright (c) 1993-2002, 2007-2008, 2010 by cisco Systems, Inc.
* 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 doesnt 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_setup.c
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```
/* $Id$
```

```
* $Source$
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_route_default.h
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```
/* $Id: cfg_router_timers.h,v 3.2.60.1 1996/04/15 21:17:46 bcole Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_timers.h,v $
* ------------------------------------------------------------------
* C F G _ R O U T E R _ T I M E R S . H
*
* Copyright (c) 1992-1999, 2002, 2004-2011, 2018 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_timers.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* cfg_routemap_match_ip.h -- IP specific route-map clauses
*
* March 1995 Tony Li
*
* Copyright (c) 1995-1998, 2000-2002, 2004-2005, 2007-2010, 2014 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_match_ip.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_input-queue.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_mode.h
No license file was found, but licenses were detected in source scan.

/*--
* routemap_api.h -- Dynamic routemap API definitions.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2009, 2011, 2013, 2015, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_api.h
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/msg_routemap.c
No license file was found, but licenses were detected in source scan.

/* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ionized.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* IP routing clear commands
*
* May 1993, Robert Widmer
*
* Copyright (c) 1993-1999, 2001-2002, 2004-2010 by cisco Systems, Inc.
* All rights reserved.
*
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_ip_routing.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_debug.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routetag_list.h
No license file was found, but licenses were detected in source scan.

/*
*---
* C F G _ R O U T E R _ B F D . H
*
* Copyright (c) 2004-2008, 2010-2011, 2015 by cisco Systems, Inc.
* All Rights Reserved
*---
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_bfd.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.
*---
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/route_map_ion.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/network_constants.h
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
*
* Copyright (c) 2002-2003, 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3_blob.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 $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router.h,v $
*------------------------------------------------------------------
* C F G _ R O U T E R . H
*
* Enter router subcommand mode
*
* Copyright (c) 1992-2002, 2005, 2007-2009, 2015, 2017-2018 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router.h
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------------
* routemap_debug_flags.h -- Routemap debugging support
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2004, 2007-2008, 2014 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_debug_flags.h
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------------
* IOS prefix list support.
*
* March 2005, Sarath Chandran
*
```

* Copyright (c) 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*--
*
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ios.c
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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_auto_summary.h
No license file was found, but licenses were detected in source scan.

/* Id
* $Source$
*--
* 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
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_chain.c
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 proceses.
*
* March 2009, Derek Yeung
*
* Copyright (c) 2009 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context.c
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
*
* Copyright (c) 1995-1996, 2000, 2002, 2004, 2007-2009 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/cfg_routemap_set_policy.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
*
* Copyright (c) 2001, 2003, 2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map_registry.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_nbcmn.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routing_context.h
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
*
* Copyright (c) 2003-2010, 2013-2014, 2016 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_track_ios.c
No license file was found, but licenses were detected in source scan.

/*
*--
* IP routing table flap statistics collection facility.
*
* Nov 1996, Ravi Chandra
*
* Copyright (c) 1995-1998, 2001-2005, 2007-2010 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_stats.c
No license file was found, but licenses were detected in source scan.

/*
* --
* route_capability.h
*
* August 2003, Peter Psenak
*
* Copyright (c) 2003-2004, 2007-2009, 2011, 2015 by Cisco Systems, Inc.
* All rights reserved.
* --

```
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_capability.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.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_registry.c
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
*
* Copyright (c) 1995-1998, 2000-2004, 2006-2013, 2016, 2019 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_set_ip.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.
*
* Copyright (c) 1986-2003, 2005-2009, 2011, 2013-2015, 2018 by cisco Systems, Inc.
* All rights reserved.
```

```
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_internal.h
No license file was found, but licenses were detected in source scan.

```
/* $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
*
* Copyright (c) 1997-2001, 2004, 2007-2008, 2019 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* cfg_router_flash-threshold.h
*
* January 1998, 2001 Dawn Li
*
* Copyright (c) 1998-1999, 2001, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
```

```
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_flash-threshold.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_ios.c
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/1130450046_1615190725.52/0/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_globs.c
*
* This file has the route map globals common to blob (for lc images)
* and routing process(for routing images).
*
* Copyright (c) 2002-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_globs.c
No license file was found, but licenses were detected in source scan.

All rights reserved.

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/route_map_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/router_topology_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/makefile
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/ion_iprouting_cmd_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/router_af_actions_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/.signature/makefile
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/reg/routing_context_registry.reg
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/iprouting_registry.reg
*
 /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/reg/lfafrr_registry.reg
No license file was found, but licenses were detected in source scan.

/*
*--
* ip_prefixlist_ion.h - IP Prefix Lists support for ION
*

```
* June 2002, Siva Yaragalla
*
* Copyright (c) 2002, 2005, 2007-2017 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/ip_prefixlist_ion.h
No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_distribute.h,v 3.3.50.2.6.1 1996/09/12 19:08:19 perryl Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_distribute.h,v $
*------------------------------------------------------------------
* C F G _ R O U T E R _ D I S T R I B U T E . H
*
* Copyright (c) 1992-2001, 2003-2012, 2015-2016, 2018 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
* $Log: cfg_router_distribute.h,v $
* Revision 3.3.50.2.6.1  1996/09/12  19:08:19  perryl
* Branch: Att-branch
* Allow virtual-access interface for distribute-list
*
* 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
*
* Revision 3.3.50.1  1996/05/04  01:21:18  wilber
* Branch: California_branch
 *
* Constrained Multicast Flooding
* - 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.
*
*----------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_distribute.h
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------
* policylist_blob.c - Routines to handle policy-list commands.
*                     Common for IOS and ION Blob.
*
* November 2003, Siva Yaragalla
*
* Copyright (c) 2003-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_blob.c
No license file was found, but licenses were detected in source scan.

```
/*----------------------------------------------------------------
* ip_stats.c - IP for topology aware stats
*
* April 2006, Jonsky Hsu
*
* Copyright (c) 2006-2010 by cisco Systems, Inc.
* All rights reserved.
*
*----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_stats.c
No license file was found, but licenses were detected in source scan.

```
/*----------------------------------------------------------------
* IP routemap test commands
```

```
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2008, 2011-2013, 2015, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_test_ip_routemap.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map_def.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ionized.c
No license file was found, but licenses were detected in source scan.

```
/*$Id: cfg_router_maximum-paths.h,v 3.2 1995/11/17 17:32:11 hampton Exp $
* $Source: /swtal/cherf.111/ios/sys/iprouting/cfg_router_maximum-paths.h,v $
*------------------------------------------------------------------
* cfg_router_maximum-paths.h
*
* <July> 1994 rchandra
```

```
*
* Copyright (c) 1994-2016, 2019 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
* $Log: cfg_router_maximum-paths.h,v $
* Revision 3.2  1995/11/17  17:32:11  hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1  1995/11/09  12:05:39  shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1  1995/07/01  12:15:53  tli
* CSCdi36508:  Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1  1995/06/07  22:12:44  hampton
* Bump version numbers from 1.x to 2.x.
*
*-----------------------------------------------------------------
 * $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_maximum-paths.h
No license file was found, but licenses were detected in source scan.

```
/*-----------------------------------------------------------------
* router_af_actions.h
*
* Router Address Family action declarations.
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002, 2004-2005, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/router_af_actions.h
No license file was found, but licenses were detected in source scan.

```
/*
*-----------------------------------------------------------------
* ion_iprouting_cmd_registry.c
*
* September 2001, Rashmi Shrivastava
```

*
* Copyright (c) 2001, 2003, 2005-2008 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ion_iprouting_cmd_registry.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/protofltr.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_validate.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
*
* Copyright (c) 1993-1996, 1998, 2003-2008, 2011 by cisco Systems, Inc.
* 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
* 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  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
* CSCdi36508:  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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/exec_show_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
*
* Copyright (c) 1998, 2004, 2007-2008 by cisco Systems, Inc.
```

* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_debug.h
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
*
* Copyright (c) 2003-2004, 2007-2008, 2014 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/exec_debug_routemapapi.h
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/iprouting_commands.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_ELOG *_GEN_ID \
*_DEFINED *_argt *_res \
bgp* ospf* debug* route_debug* igrp* ipcache* ipproc* ip_mobile* netred* \
iprouting_acl DEBUG_ROUTING_PROT MISC_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
# symboles 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 pathame 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 pathame 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 $SRC_BASE/include/reg"
#API_PUBLIC="$SRC_BASE/include"

# 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/iox $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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/docs/iproutingcmn_router_cmd.run-doxygen
No license file was found, but licenses were detected in source scan.

/*
* P A R S E R _ D E F S _ R O U T E R . 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/parser_defs_router.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 $
```

```
*------------------------------------------------------------------
* C F G _ R O U T E R _ N E T W O R K . H
*
* Copyright (c) 1992-2002, 2004-2009, 2013, 2018 by cisco Systems, Inc.
* 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
*
* 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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_network.h
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
*
* Copyright (c) 1994-1998, 2000-2001, 2007-2008, 2010 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* routemap_track.h -- Route map support for tracking
*
* March 2003  Shyan Wignarajah
*
* Copyright (c) 2003, 2006-2008, 2010, 2012-2014 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/routemap_track.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
*
* Copyright (c) 2002, 2004, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_private.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
* Always store canonical metrics scaled for IGRP, and make EIGRP do
* its own scaling internally.  Get the scaling right in all three
* places.
*
* Revision 3.3.12.2  1996/03/28  23:59:20  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 3.3.12.1  1996/03/28  22:28:27  rchandra
* CSCdi52880:  BGP: generate error message for unsupported route-map
* options
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route_map.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* C F G _ R O U T E R _ D E F A U L T S . H
*
* Copyright (c) 1992-2011, 2013, 2015-2016, 2019 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_default.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_common.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* cfg_int_ip2_vnet_routing.h
*
* Interface VNET submode configuration IP commands.
*
* Copyright (c) 2009-2010 by cisco Systems, Inc.
```

* All rights reserved.
*
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/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
* $Source$
*--
* 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
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_blob.c
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 $
*--
* E X E C _ S H O W _ P R O T O C O L S . H
*
* Copyright (c) 1992-1996, 2007-2009 by cisco Systems, Inc.
* All Rights Reserved
*--
* $Log: exec_show_protocols.h,v $
* Revision 3.3.20.1 1996/08/12 16:04:12 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 1996/01/29 07:08:56 hampton
* Remove command number arguments passed to parse routines that only
* perform a single function. [CSCdi47717]
*
* Revision 3.2 1995/11/17 17:33:30 hampton

```
* Remove old entries from
 the RCS header logs.
*
* Revision 3.1  1995/11/09  12:07:27  shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1  1995/07/01  12:16:21  tli
* CSCdi36508:  Rationalize parser file placement, part I
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_protocols.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* IP routing show commands
*
* May 1993, Robert Widmer
*
* Copyright (c) 1993-2003, 2005, 2007-2011, 2013, 2015-2020 by cisco Systems, Inc.
* All rights reserved.
*
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_ip_routing.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/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. Subsytem 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
! consideration. Treat them like constructor/destructor for the DLST.
!
! The prototypes of these functions are expected to be:
!     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.
!initializer:my_init
!finalizer:my_finit


% model prolog iou
! This code will be copied unchanged to the start of the generated .c file
! Include definitions, declarations, include statements that
! are used in the model
! You can include stubs for the functions that are not ready yet but are
! invoked.
```

```
!
 If you choose to have pretest and posttest functions include them here.
!
! "model prolog " accepts additional keywords.
! dt - This is meaningful in automation environments. If the test you are
!      creating alters global state then use "dt" keyword. This informs
!      automation framework that device should be reloaded prior to
!      running next test.
! iou - Use this keyword if the test can be executed under IOU.
! preinit - Use this if the test executes prior to system initialization.
! % model prolog dt

#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
! 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>:  - Begining of a node description.
!                 Include descriptions for all edges starting at this node.
!                 If there is code to be executed upon entry to this node
!                 enter that immediatly following this line but before
!                 entering any edge description.
! -><nodeIdentifier>:   - Begining of an edge description. This describes an
!                 edge from the node to &lt;n>
! Choose <nodeIdentifier> 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 -----");

! 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 -----");

! 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 -----");

! 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 -----");

! 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 -----");

! 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 -----");

! ===== 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() -----");

! 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() -----");

! ===== 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 -----");
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/test/iproutingcmn_router_cmd.sesut
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route3_ionized.c
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
*
```

* Copyright (c) 2001-2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*--
* Log
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_registry.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
*
* Copyright (c) 2000, 2002-2003, 2005, 2007-2011 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/policylist.h
No license file was found, but licenses were detected in source scan.

/* Id
* $Source$
*--
* cfg_routemap_set.h
*
* Process route-map set subcommands.
*
* Copyright (c) 1992-1998, 2001-2003, 2007-2019 by cisco Systems, Inc.
* All rights reserved.
*--
* Log
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_set.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_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.
*
* Copyright (c) 1992-1999, 2001-2010, 2015-2016, 2019-2020 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_distance.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_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
*
* Copyright (c) 2004-2005, 2007-2009, 2013 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology.h
No license file was found, but licenses were detected in source scan.

```
/*
*-----------------------------------------------------------------
* iprouting_init_ionblob.c -- IP Routing Init code for blog in ION only
*
* October 2001, Rashmi Shrivastava
*
* Copyright (c) 2001-2017 by cisco Systems, Inc.
* All rights reserved.
```

*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ionblob.c
No license file was found, but licenses were detected in source scan.

/* Id
* $Source$
*--
* 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
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/routing_context_registry.h
No license file was found, but licenses were detected in source scan.

/* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_af_mode.h
No license file was found, but licenses were detected in source scan.

/*--
* ip_stats.h - IP for topology aware stats

```
*
* Feburary 2006, Jonsky Hsu
*
* Copyright (c) 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/ip_stats.h
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.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug_flags.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* route_map_ionized.c - Route Maps support for IONized processes
*
* July 2001, Siva Yaragalla
*
*
* Route map subsystem for IOS style processes.
*
* Copyright (c) 2001-2009, 2011, 2016-2017 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_ionized.c
No license file was found, but licenses were detected in source scan.

```
/*------------------------------------------------------------------
* iprouting_actions_registry.h
```

```
*
* Router address family actions registry.
*
* May 2002, Victor Kamensky
*
* Copyright (c) 2002-2003, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/router_af_actions_registry.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* C F G _ R O U T E R _ T A B L E - M A P . H
*
* Copyright (c) 1993-1996, 1999, 2001, 2003, 2005-2019 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_table-map.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context_registry.c
No license file was found, but licenses were detected in source scan.

/* $Id: iprouting_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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/iprouting_actions.h
No license file was found, but licenses were detected in source scan.

/*--
* routemap_api.c -- Dynamic routemap APIs.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2015, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_api.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/router_topology_parse.h
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.
*
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_debug_ip_routing.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/protofltr_public.h
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
*
* Copyright (c) 1992-1996, 2007-2009 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
* $Log: cfg_routemap_exit.h,v $
* Revision 3.2.60.1  1996/08/12  16:03:34  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  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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_exit.h
No license file was found, but licenses were detected in source scan.

```
/*
*-----------------------------------------------------------------
* iprouting_parser_macros.h - Routing macros moved out of
*          sys/parser/macros.h
*
* November, 2004
*
* Copyright (c) 2004-2011, 2013, 2015, 2018 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
*
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/iprouting_parser_macros.h
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
*
* Copyright (c) 1993-1999, 2001-2002, 2004-2009, 2015 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_traffic-share.h
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*----------------------------------------------------------------------
* route.h -- IP routing definitions
*
* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------------
* $Log$
*----------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/route.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_ios_blob.c
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.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug.h
No license file was found, but licenses were detected in source scan.

```
/*
* $Id$
* $Source$
*------------------------------------------------------------------
* 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.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

```
/*
    * 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/1130450046_1615190725.52/0/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/1130450046_1615190725.52/0/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: cfg_router_metric.h,v 3.2 1995/11/17 17:32:13 hampton Exp $
* $Source: /swtal/cherf.111/ios/sys/iprouting/cfg_router_metric.h,v $
*------------------------------------------------------------------
* C F G _ R O U T E R _ M E T R I C . H
*
* Copyright (c) 1992-2002, 2004, 2006-2009 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
* $Log: cfg_router_metric.h,v $
* Revision 3.2  1995/11/17  17:32:13  hampton
* Remove old entries from the RCS header logs.
```

```
*
* Revision 3.1  1995/11/09  12:05:41  shaker
* Bump version numbers from 2.x to 3.x.
*
* Revision 2.1  1995/07/01  12:15:54  tli
* CSCdi36508:  Rationalize parser file placement, part I
* Rationalize iprouting
*
* Revision 2.1  1995/06/07  22:12:46  hampton
* Bump version numbers from 1.x to 2.x.
*
*----------------------------------------------------------------
* $Endlog$
 */
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_metric.h
No license file was found, but licenses were detected in source scan.

```
/* $Id: ip_routing.h,v 3.2 1995/11/17 17:34:12 hampton Exp $
* $Source: /swtal/cherf.111/ios/sys/iprouting/ip_routing.h,v $
*----------------------------------------------------------------
* ip_routing.h -- Generic IP routing declarations
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995, 1998, 2004, 2006-2008 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/ip_routing.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
*
* Copyright (c) 1998-1999, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_af_exit.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_debug.h
No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_offset.h,v 3.3.20.4 1996/09/04 23:46:26 mikel Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_offset.h,v $
*------------------------------------------------------------------
* C F G _ R O U T E R _ O F F S E T . H
*
* Copyright (c) 1992-1998, 2002, 2004-2008 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
* $Log: cfg_router_offset.h,v $
* Revision 3.3.20.4  1996/09/04  23:46:26  mikel
* CSCdi65889:  offset-list doesnt work for EIGRP
* Branch: California_branch
* Re-enable offset-list command as well as adding offset-list out support,
* and fix offset-list to work with access-lists
*
```

* Revision 3.3.20.3 1996/08/12 16:03:48 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 3.3.20.2 1996/05/04 01:21:23 wilber
* Branch: California_branch
*
* Constrained Multicast Flooding
* - Define MOSPF hello option bit.
*
* Name Access List
*
* Revision 3.3.20.1 1996/04/09 05:54:35 mikel
* CSCdi49628: EIGRP ignores outgoing offset-list
* Branch: California_branch
* disable offset-list command from eigrp router config
*
* Revision 3.3 1996/02/01 23:33:59 widmer
* CSCdi45325: Change Keyword/Set to use Keyword_Id macro
*
* Revision 3.2 1995/11/17 17:32:19 hampton
* Remove old entries from the RCS header logs.
*
* Revision 3.1 1995/11/09 12:05:53 shaker
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_offset.h
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 alfanumerical 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/enum/iprouting_api.enum
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_track.c
No license file was found, but licenses were detected in source scan.

```
/* $Id
* $Source
```

```
*------------------------------------------------------------------
* iprib_api_svr.c -- IP Routing Information Base (RIB) API definitions
*
* August-2001, Fan Kong
*
* Copyright (c) 2001-2012, 2019 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprib_api_svr.c
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/router_topology_registry.h
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parser_linkpoints.c

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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routing_context_chain.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----------------------------------------------------------------
* cfg_routemap_match.h
*
* Process route-map match subcommands.
*
* Copyright (c) 1992-1999, 2002-2005, 2007-2012, 2018 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
* $Log$
*-----------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routemap_match.h
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/lfafrr_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
    $(COMPONENT_ROOT)/routing/iprouting_cmn/include
     $(COMPONENT_ROOT)/routing/iprouting_cmn/internal_inc
    $(COMPONENT_ROOT)/routing/iprouting_cmn/src
    $(COMPONENT_ROOT)/routing
    $(COMPONENT_ROOT)/posix/include
    $(IOS_SYSROOT)/ion/include
    $(IOS_SYSROOT)/crypto/ca
    $(IOS_SYSROOT)/crypto/ca/certcinc
    $(IOS_SYSROOT)/crypto/ca/bsafeinc
    $(IOS_SYSROOT)/crypto/ca/provider/include
 defines: CRYPTOCv5 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_cmn/src/route_map_globs.c
}
sub: route_map_registry
{
  contains:
    iprouting_cmn/src/route_map_registry.c
}
sub: routemap_common_blob
{
  contains:
    iprouting_cmn/src/routemap_ios_blob.c
}
sub: routemap_common_ionized
{
  context: os==ion
  contains:
    iprouting_cmn/src/route_map_http_ion.c
}
sub: routemap_common_nonblob
{
  contains:
    iprouting_cmn/src/routemap_ios.c
```

```
      iprouting_cmn/src/routemap_track_ios.c
  }
  sub: routemap_ios_chain
  {
    contains:
      iprouting_cmn/src/routemap_ios_chain.c
  }
  sub: routemap_lc_ipc
  {
    context: os==ios
    contains:
      iprouting_cmn/src/route_map_globs.c
      iprouting_cmn/src/routemap_api.c
      iprouting_cmn/src/routemap_api_util.c
      iprouting_cmn/src/routemap_debug.c
      iprouting_cmn/src/routemap_internal.c
       iprouting_cmn/src/routemap_ios_chain.c
      iprouting_cmn/src/routetag_list.c
  }
  sub: router_af_actions_registry
  {
    contains:
      iprouting_cmn/src/router_af_actions_registry.c
  }
  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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/content.lst
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.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route1.c
No license file was found, but licenses were detected in source scan.

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

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routetag_list.c
No license file was found, but licenses were detected in source scan.

```
/* $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
*
* Copyright (c) 1995, 2001-2002, 2007-2009, 2014-2015 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/cfg_routemap_match_policy.h
No license file was found, but licenses were detected in source scan.

/*
*--
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_debug_protofltr.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/route3_parse.h
No license file was found, but licenses were detected in source scan.

/* $Id: cfg_int_ip2_routing.h,v 3.2.60.1 1996/08/12 16:03:24 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_int_ip2_routing.h,v $
*--
* cfg_int_ip2_routing.h
*
* May 1994, Derek Yeung
*
* Copyright (c) 1993-1996, 1998-1999, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*
* IP routing interface commands that must be after the encapsulation command
* in NV order.
*--
* $Log: cfg_int_ip2_routing.h,v $
* Revision 3.2.60.1 1996/08/12 16:03:24 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 1995/11/17 17:31:23 hampton
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_int_ip2_routing.h
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
* - 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 3.4.10.1 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map.c
No license file was found, but licenses were detected in source scan.

/*--
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/router_af_parse.h
No license file was found, but licenses were detected in source scan.

/* Id
* $Source$
*--
* Registry for IP FRR infrastructure
*
* July 6, 2010 Ahmed Bashandy
*
* Copyright (c) 2001-2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*--
* Log
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/lfafrr_registry.h
No license file was found, but licenses were detected in source scan.

/* Id
* $Source$
*--
* cfg_route_map.h
*
* Enter route-map subcommand mode
*

* Copyright (c) 1992-1996, 2001-2002, 2007-2010, 2017 by cisco Systems, Inc.
* All rights reserved.
*--
* Log
*--
* $Endlog$
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_route_map.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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/exec_show_ip_policylist.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/iprouting/cfg_routemap_set_ip_policy.h,v $
*--
* cfg_routemap_set_ip_policy.h -- IP policy specific route map clauses
*
* Mar 1995 Tony Li
*
* Copyright (c) 1995-1998, 2000, 2002, 2004, 2007-2009 by cisco Systems, Inc.
* All rights reserved.
*--
* $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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/cfg_routemap_set_ip_policy.h
No license file was found, but licenses were detected in source scan.

```
/* $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 $
* ------------------------------------------------------------------
* C F G _ R O U T E R _ P A S S I V E _ I N T . H
*
* Copyright (c) 1992-1999, 2001-2010, 2018 by cisco Systems, Inc.
* All Rights Reserved
*------------------------------------------------------------------
```

```
* $Log: cfg_router_passive-interface.h,v $
*----------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_passive-interface.h
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------
* routemap_debug.c -- Routemap debugging support
*
* July 1998, Wilber Su
*
* Copyright (c) 1998, 2004, 2006-2008 by cisco Systems, Inc.
* All rights reserved.
*----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_debug.c
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------
* C F G _ R O U T E R _ T O P O _ R E D I S T R I B U T E . H
*
* October 2004, Lisa Z Xu
*
* Copied from and modified based on cfg_router_redistribute.h.
* Warning:
*  If you modify this file, please also check cfg_router_redistribute.h
*  to see if the changes apply to config-router mode as well.
*
* Copyright (c) 2004-2011, 2018-2021 by Cisco Systems, Inc.
* All Rights Reserved
*----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topo_redistribute.h
No license file was found, but licenses were detected in source scan.

```
/*
*----------------------------------------------------------------
```

```
* route_map_ionblob.c --  Route Maps support for ION Blob
*
* October 2001, Siva Yaragalla
*
* Copyright (c) 2001-2009, 2011, 2013, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_ionblob.c
No license file was found, but licenses were detected in source scan.

```
/*------------------------------------------------------------------
* 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
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_parse_blob.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/topo_aware.h
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.
*
* Copyright (c) 1985-1996, 1999, 2001, 2004-2005, 2007-2008, 2011, 2014-2015 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/parser_defs_route_map.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
*
* Copyright (c) 1998-2011, 2013-2014, 2016, 2018-2019 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_chain.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
*
* Copyright (c) 1998, 2001-2002, 2004-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/exec_debug_routemap.h

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
*
* Copyright (c) 1995-1998, 2000-2001, 2007-2008 by cisco Systems, Inc.
* 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.
*
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_ip_prefixlist.h
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.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_blob_undef.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_cmn.c
No license file was found, but licenses were detected in source scan.

```
/* $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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist.c
No license file was found, but licenses were detected in source scan.

```
/* $Id: cfg_router_redistribute.h,v 3.4.20.3 1996/08/12 16:03:50 widmer Exp $
* $Source: /release/112/cvs/Xsys/iprouting/cfg_router_redistribute.h,v $
*-----------------------------------------------------------------
* C F G _ R O U T E R _ R E D I S T R I B U T E . H

* Warning:
*  If you modify this file, please also check cfg_router_topo_redistribute.h
*  to see if the changes apply to config-router-topo mode as well.
*
* Copyright (c) 1992-2012, 2014-2015, 2018-2021 by cisco Systems, Inc.
* All Rights Reserved
*-----------------------------------------------------------------
* $Log: cfg_router_redistribute.h,v $
*
*-----------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/cfg_router_redistribute.h
No license file was found, but licenses were detected in source scan.

```
/*
*-----------------------------------------------------------------
* iprouting_DEBUG_FLAG_BBs.h -- Debugging flag declarations for IP routing
*
* May 1993, John Bashinski
*
* Copyright (c) 1993-2011, 2013, 2015, 2018-2020 by Cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/iprouting_debug_flags.h

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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parser.h
No license file was found, but licenses were detected in source scan.

```
# $Id$
#
#-------------------------------------------------------------------------------
#
# iprouting.startup - ION iprouting process .startup file
#
# October, 2001, Fan Kong
#
#-------------------------------------------------------------------------------
#
# Copyright (c) 2001-2002, 2004-2007 by cisco Systems, Inc.
# All rights reserved.
#
#-------------------------------------------------------------------------------

name:iprouting.iosproc
path:/sbin
feature:iprouting
level:100
envs:RLIMIT_NOFILE=65535
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting.startup
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----------------------------------------------------------------
* policylist.c - Routines to handle policy-list commands
*
```

```
* Apr. 2000, Rex Fernando
*
* Copyright (c) 2000, 2002-2011, 2016-2017, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist.c
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
*
* Copyright (c) 1995-1998, 2002-2008, 2010 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_routing.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_af_parse.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_chain.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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/internal_inc/ion_iprouting_cmd_registry.h
No license file was found, but licenses were detected in source scan.

/*--
* routemap_api_util.c -- Dynamic routemap API utility functions.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2010, 2020 by cisco Systems, Inc.
* All rights reserved.
*--
*/

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_api_util.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init_ios.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.
*
* Copyright (c) 1992-2004, 2007-2010, 2015, 2018 by cisco Systems, Inc.
* All rights reserved.
*
* Longer description here.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_summary_addr.h
No license file was found, but licenses were detected in source scan.

```
/* $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
*
* Copyright (c) 1992-2002, 2004-2010, 2012, 2018 by cisco Systems, Inc.
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_neighbor.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_clear_routemap.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_parse.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/include/ip_prefixlist.h
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------
* route_map_blob.c -- Route Map Subsystem
*
* Aug 2001, Siva Yaragalla
*
* Copyright (c) 2001-2012, 2014-2018 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route_map_blob.c
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-
tar/iprouting_cmn/include/iprouting_parser_linkpoints.h
No license file was found, but licenses were detected in source scan.

```
/* $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
*
* May 1993, Robert Widmer
*
```

```
* 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
* CSCdi38750:  Allow static routes with both next hop and interface
*              also add "permanent" keyword for non-flapping static routes
*
* 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 doesnt 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_ip_routing_routing.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/router_topology_registry.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*-----------------------------------------------------------------
* route2.c -- Routing Support: User Interface Routines
*
* 22-March-1986, Kirk Lougheed
*
* Copyright (c) 1986-2020 by cisco Systems, Inc.
* All rights reserved.
*-----------------------------------------------------------------
* $Log$
*-----------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/route2.c

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

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_chain.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* lfafrr_registry.c
*
* July 2010, Ahmed Bashandy
*
* Copyright (c) 2001, 2003, 2005, 2007-2008, 2010 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/lfafrr_registry.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ip_prefixlist_ionblob.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_routing_context.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_topology_exit.h
No license file was found, but licenses were detected in source scan.

/* $Id: 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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_init.c
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
*
* Copyright (c) 1998-1999, 2001-2010, 2012, 2018 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_router_af.h
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
*
* Copyright (c) 1997-2001, 2004, 2007-2008, 2011, 2013 by cisco Systems, Inc.
* All rights reserved.
*
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/cfg_routetag_list.h

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

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* protofltr.c -- Routing protocol filter manager support routines
*
* Jan 2006, Mercia Zheng
*
* Copyright (c) 2005-2011, 2020 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr.c
No license file was found, but licenses were detected in source scan.

```
/*
*------------------------------------------------------------------
* exec_show_routetag_list.h
*
* Copyright (c) 1993-1996, 1998, 2003-2008, 2011 by cisco Systems, Inc.
* All rights reserved.
*
* Command parsing chain for "show route-tag".
*------------------------------------------------------------------
*
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/exec_show_routetag_list.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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/protofltr_debug_flags_ion.h
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/ipv4_subsys.c
No license file was found, but licenses were detected in source scan.

```
/*------------------------------------------------------------------
* routemap_internal.c -- Internal funtions of routemap code.
*
* May 2003, Tanya Shastri
*
* Copyright (c) 2003, 2005-2009, 2011-2019 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/routemap_internal.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/iprouting_parse_blob.c
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/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/src/policylist_ionized.c
No license file was found, but licenses were detected in source scan.

```
/* $Id$
* $Source$
*------------------------------------------------------------------
* C F G _ R O U T E R _ O U T P U T - D E L A Y . H
*
* router RIP inter-frame gap subcommand
*
* Aug 1996, Dawn Li
*
* Copyright (c) 1996, 1998-1999, 2001, 2007-2008 by cisco Systems, Inc.
* All rights reserved.
*------------------------------------------------------------------
* $Log$
*------------------------------------------------------------------
* $Endlog$
*/
```

Found in path(s):
* /opt/cola/permits/1130450046_1615190725.52/0/iproute-254-tar/iprouting_cmn/internal_inc/cfg_router_output-delay.h

1.132 ethtool 5.8-5.el8

1.132.1 Available under license :

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

```
# Original Creation Date Unknown
# Copyright (c) 2018 by Cisco Systems, Inc.
```

All rights reserved.

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/staprun usr/bin/staprun
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/libexec/systemtap/stapio usr/libexec/systemtap/stapio

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemtap
No license file was found, but licenses were detected in source scan.

#
Copyright (c) 2018-2020 by Cisco Systems, Inc.
All rights reserved.
#
This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs usr/sbin/exportfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd usr/sbin/rpc.nfsd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rpcinfo usr/bin/rpcinfo

(include nfs-common)
The following kernel modules are needed when NFSV4 support is configured
in kenrel.
nfsd.ko depend on auth_rpcgss.ko
auth_rpcgss.ko depend on oid_registry.ko

-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv4/nfs-utils
No license file was found, but licenses were detected in source scan.

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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/journalctl usr/bin/journalctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemctl usr/bin/systemctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-inhibit usr/bin/systemd-inhibit
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-notify usr/bin/systemd-notify
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-tmpfiles usr/bin/systemd-tmpfiles
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/udevadm usr/bin/udevadm

contrib/yocto/CGE7/journald.conf etc/systemd/journald.conf
infra/systemd/system.conf etc/systemd/system.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/systemd/user.conf
etc/systemd/user.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/udev/udev.conf etc/udev/udev.conf
/usr/lib/systemd/systemd init
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-generators/systemd-fstab-generator
usr/lib/systemd/system-generators/systemd-fstab-generator
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/basic.target
usr/lib/systemd/system/basic.target
/usr/lib/systemd/system/reboot.target usr/lib/systemd/system/ctrl-alt-del.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/dev-hugepages.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/dev-mqueue.mount
infra/systemd/emergency.service
usr/lib/systemd/system/emergency.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/emergency.target
usr/lib/systemd/system/emergency.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/final.target
usr/lib/systemd/system/final.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/halt.target
usr/lib/systemd/system/halt.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/kexec.target
usr/lib/systemd/system/kexec.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/local-fs-pre.target
usr/lib/systemd/system/local-fs-pre.target
infra/systemd/local-fs.target usr/lib/systemd/system/local-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network-online.target
usr/lib/systemd/system/network-online.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/network.target
usr/lib/systemd/system/network.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/paths.target
usr/lib/systemd/system/paths.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/poweroff.target
usr/lib/systemd/system/poweroff.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/reboot.target
usr/lib/systemd/system/reboot.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/remote-fs.target
usr/lib/systemd/system/remote-fs.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.service
usr/lib/systemd/system/rescue.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/rescue.target
usr/lib/systemd/system/rescue.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/shutdown.target
usr/lib/systemd/system/shutdown.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/slices.target

usr/lib/systemd/system/slices.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sockets.target
usr/lib/systemd/system/sockets.target
/usr/lib/systemd/system/systemd-journald.socket
usr/lib/systemd/system/sockets.target.requires/systemd-journald.socket
/usr/lib/systemd/system/systemd-udevd-control.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udevd-control.socket
/usr/lib/systemd/system/systemd-udevd-kernel.socket
usr/lib/systemd/system/sockets.target.requires/systemd-udevd-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sys-kernel-config.mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sys-kernel-debug.mount
/usr/lib/systemd/system/dev-hugepages.mount
usr/lib/systemd/system/sysinit.target.wants/dev-hugepages.mount
/usr/lib/systemd/system/dev-mqueue.mount
usr/lib/systemd/system/sysinit.target.wants/dev-mqueue.mount
/usr/lib/systemd/system/sys-kernel-config.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-config.mount
/usr/lib/systemd/system/sys-kernel-debug.mount
usr/lib/systemd/system/sysinit.target.wants/sys-kernel-debug.mount
/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journal-flush.service
/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/sysinit.target.wants/systemd-journald.service
/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/sysinit.target.wants/systemd-modules-load.service
/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/sysinit.target.wants/systemd-sysctl.service
/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup-dev.service
/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/sysinit.target.wants/systemd-tmpfiles-setup.service
/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udev-trigger.service
/usr/lib/systemd/system/systemd-udevd.service
usr/lib/systemd/system/sysinit.target.wants/systemd-udevd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-halt.service
usr/lib/systemd/system/systemd-halt.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journal-flush.service
usr/lib/systemd/system/systemd-journal-flush.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-dev-log.socket
usr/lib/systemd/system/systemd-journald-dev-log.socket
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-fsck@.service
usr/lib/systemd/system/systemd-fsck@.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.socket

usr/lib/systemd/system/systemd-journald.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-kexec.service
usr/lib/systemd/system/systemd-kexec.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-modules-load.service
usr/lib/systemd/system/systemd-modules-load.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-poweroff.service
usr/lib/systemd/system/systemd-poweroff.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-reboot.service
usr/lib/systemd/system/systemd-reboot.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-sysctl.service
usr/lib/systemd/system/systemd-sysctl.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
usr/lib/systemd/system/systemd-tmpfiles-setup-dev.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-tmpfiles-setup.service
usr/lib/systemd/system/systemd-tmpfiles-setup.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-settle.service
usr/lib/systemd/system/systemd-udev-settle.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udev-trigger.service
usr/lib/systemd/system/systemd-udev-trigger.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udevd-control.socket
usr/lib/systemd/system/systemd-udevd-control.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udevd-kernel.socket
usr/lib/systemd/system/systemd-udevd-kernel.socket
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/timers.target
usr/lib/systemd/system/timers.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/time-sync.target
usr/lib/systemd/system/time-sync.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/umount.target
usr/lib/systemd/system/umount.target
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd usr/lib/systemd/systemd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-socket-activate usr/bin/systemd-socket-activate
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-bootchart
usr/lib/systemd/systemd-bootchart
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-fsck
usr/lib/systemd/systemd-fsck
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-journald usr/lib/systemd/systemd-journald
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-modules-load
usr/lib/systemd/systemd-modules-load
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-shutdown
usr/lib/systemd/systemd-shutdown
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-sysctl usr/lib/systemd/systemd-sysctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-timedated
usr/lib/systemd/systemd-timedated
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/systemd-udevd usr/lib/systemd/systemd-udevd

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/50-udev-default.rules
usr/lib/udev/rules.d/50-udev-default.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/udev/rules.d/99-systemd.rules
usr/lib/udev/rules.d/99-systemd.rules
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/systemd-analyze usr/bin/systemd-analyze
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/machine.slice
usr/lib/systemd/system/machine.slice
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-journald.service.d/visible.conf

infra/systemd/sysctl/inotify-user-instances.conf etc/sysctl.d/inotify-user-instances.conf

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemd-common
No license file was found, but licenses were detected in source scan.

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(include systemd-common)

infra/systemd/switchroot/sysinit.target usr/lib/systemd/system/sysinit.target
infra/systemd/switchroot/systemd-journald.service usr/lib/systemd/system/systemd-journald.service
infra/systemd/switchroot/systemd-timedated.service usr/lib/systemd/system/systemd-timedated.service
infra/systemd/switchroot/systemd-udevd.service usr/lib/systemd/system/systemd-udevd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald-audit.socket
usr/lib/systemd/system/systemd-journald-audit.socket

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemd-swrt
No license file was found, but licenses were detected in source scan.

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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/dmesg usr/bin/dmesg
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/kill usr/bin/kill
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/mount usr/bin/mount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/umount usr/bin/umount
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/agetty usr/sbin/agetty
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/blockdev usr/sbin/blockdev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/cfdisk usr/sbin/cfdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/ctrlaltdel usr/sbin/ctrlaltdel
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdisk usr/sbin/fdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fsck usr/sbin/fsck

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/hwclock usr/sbin/hwclock
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mkswap usr/sbin/mkswap
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/pivot_root
usr/sbin/pivot_root
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sfdisk usr/sbin/sfdisk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/swapoff usr/sbin/swapoff
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/swapon usr/sbin/swapon
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/arch usr/bin/arch
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/cal usr/bin/cal
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/chrt usr/bin/chrt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/col usr/bin/col
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/colcrt usr/bin/colcrt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/colrm usr/bin/colrm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/column usr/bin/column
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/flock usr/bin/flock
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/getopt usr/bin/getopt
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/hexdump usr/bin/hexdump
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ionice usr/bin/ionice
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcrm
usr/bin/ipcrm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcs usr/bin/ipcs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/isosize usr/bin/isosize
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/last usr/bin/last
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/logger usr/bin/logger
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/look usr/bin/look
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/lsblk usr/bin/lsblk
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/mesg usr/bin/mesg
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/namei usr/bin/namei
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/newgrp usr/bin/newgrp
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/nsenter usr/bin/nsenter
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rename usr/bin/rename
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/renice usr/bin/renice
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/rev usr/bin/rev
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/script usr/bin/script
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/setsid
usr/bin/setsid
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/setterm usr/bin/setterm
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/taskset usr/bin/taskset
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ul usr/bin/ul
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/wall usr/bin/wall
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/whereis usr/bin/whereis
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/write usr/bin/write
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/fdformat usr/sbin/fdformat
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mkfs usr/sbin/mkfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/raw usr/sbin/raw
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/zramctl usr/sbin/zramctl

Found in path(s):

* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/util-linux
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(include audit)
(include bash)
(include binutils)
(include bridge-utils)
(include busybox)
(include bzip2)
(include coreutils)
(include cpio)
(include dbus)
(include diffutils)
(include dosfstools)
(include e2fsprogs)
(include ethtool)
(include file)
(include filesystem)
(include findutils)
(include gawk)
(include glibc)
(include grep)
(include gzip)
(include initscripts)
(include ipcalc)
(include iproute2)
(include iptables)
(include iputils)
(include kexec-tools)
(include kmod)
(include less)
(include libcap)
(include lsof)
(include modules)
(include ncurses)
(include netbase)
(include netcat)
(include netkit-telnet)
(include net-tools)
(include ${NFS_VER}/nfs-utils-client)
(include pciutils)
(include procps)
(include psmisc)
(include rpcbind)

(include sed)
(include shadow)
(include strace)
(include sysklogd)
(include systemtap)
(include sysvinit)
(include
 tar)
(include tcpdump)
(include tftp-hpa)
(include traceroute)
(include util-linux)

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/all-common
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This file is to store extra files needed to support NFSV4 client.
#
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs   usr/sbin/mount.nfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs usr/sbin/umount.nfs
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/mount.nfs4 usr/sbin/mount.nfs4
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/umount.nfs4 usr/sbin/umount.nfs4

contrib/initscripts/binos/etc/${NFS_VER}/nfsmount.conf etc/nfsmount.conf
${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko
usr/lib/modules/${KERNEL_VER}/kernel/fs/nfs/nfsv4.ko

(include nfs-common)

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv4/nfs-utils-client
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(include all-common)

(include systemd)

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/all

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#files related to nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify usr/sbin/sm-notify
infra/systemd/nfs-statd.service usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat usr/sbin/nfsstat

#files related to nfs-idmapd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.idmapd usr/sbin/rpc.idmapd
infra/systemd/var-lib-nfs-rpc_pipefs.mount usr/lib/systemd/system/var-lib-nfs-rpc_pipefs.mount
plugin nsswitch for rpc.idmapd can not be figure out automatilly by dependency.
The dirctory for plugin is fix to usr/lib/libnfsidmap
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/${LIB}/libnfsidmap/nsswitch.so usr/lib/libnfsidmap/nsswitch.so
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/idmapd.conf
etc/idmapd.conf
infra/systemd/nfs-idmapd.service usr/lib/systemd/system/nfs-idmapd.service

contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf etc/nfs-utils.conf

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* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv4/nfs-common
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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ipcalc usr/bin/ipcalc

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* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/ipcalc
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#
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#
This file contains all needed files related to nfs server daemon.
#
infra/systemd/nfs-mountd.service usr/lib/systemd/system/nfs-mountd.service
infra/systemd/nfs-server.service usr/lib/systemd/system/nfs-server.service
infra/systemd/proc-fs-nfsd.mount usr/lib/systemd/system/proc-fs-nfsd.mount

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/exportfs usr/sbin/exportfs

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.mountd usr/sbin/rpc.mountd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.nfsd usr/sbin/rpc.nfsd

(include nfs-common)
The following optional kernel modules are put here to allow forwarding
compatable when NFSV4 support is configured in kenrel.
When nfsv4 is enabled in kernel, it brings in extra dependency for
nfsd.ko, which is needed for nfsv3 verver.
#
 so treat extra modules needed by nfsd.ko as optional since it depend on kernel
configure.
#
nfsd.ko depend on auth_rpcgss.ko
auth_rpcgss.ko depend on oid_registry.ko

-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
usr/lib/modules/${KERNEL_VER}/kernel/lib/oid_registry.ko
-${PLATFORM_SYSROOT}/usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko
usr/lib/modules/${KERNEL_VER}/kernel/net/sunrpc/auth_gss/auth_rpcgss.ko

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv3/nfs-utils
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(include systemd-common)

linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system-preset/90-systemd.preset
usr/lib/systemd/system-preset/90-systemd.preset
/usr/lib/systemd/system/tmp.mount usr/lib/systemd/system/local-
fs.target.requires/tmp.mount
infra/systemd/sysinit.target usr/lib/systemd/system/sysinit.target
infra/systemd/cpld-symlink.service usr/lib/systemd/system/cpld-symlink.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-journald.service
usr/lib/systemd/system/systemd-journald.service
infra/systemd/systemd-journald.service.d/visible.conf usr/lib/systemd/system/systemd-
journald.service.d/visible.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-timedated.service
    usr/lib/systemd/system/systemd-timedated.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/systemd-udevd.service
usr/lib/systemd/system/systemd-udevd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/lib/systemd/system/tmp.mount
usr/lib/systemd/system/tmp.mount

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/systemd

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(include all-common)

(include systemd-swrt)

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linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/rpc.statd usr/sbin/rpc.statd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/sm-notify usr/sbin/sm-notify
infra/systemd/nfs-statd.service usr/lib/systemd/system/nfs-statd.service
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/nfsstat usr/sbin/nfsstat

contrib/initscripts/binos/etc/${NFS_VER}/nfs-utils.conf etc/nfs-utils.conf

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/nfsv3/nfs-common
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#
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/ping usr/bin/ping
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/bin/tracepath usr/bin/tracepath
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/in.tftpd-hpa usr/bin/tftpd

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/iputils
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#
May 2018, Victor Kamensky
#
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#

```
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditd              usr/sbin/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/audispd             usr/sbin/audispd
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/autrace             usr/sbin/autrace
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/aureport            usr/sbin/aureport
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/auditctl            usr/sbin/auditctl
linkfarm/${SYSROOT}${ARCH}${SDK}/usr/sbin/ausearch            usr/sbin/ausearch

contrib/initscripts/binos/etc/audit/auditd.conf               etc/audit/auditd.conf
contrib/initscripts/binos/etc/audisp/audispd.conf             etc/audisp/audispd.conf
contrib/initscripts/binos/etc/audit/audit.rules               etc/audit/audit.rules
contrib/initscripts/binos/etc/audisp/plugins.d/syslog.conf    etc/audisp/plugins.d/syslog.conf
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/default/auditd
        etc/default/auditd
linkfarm/${SYSROOT}${ARCH}${SDK}/etc/libaudit.conf            etc/libaudit.conf

Found in path(s):
* /opt/cola/permits/1130449912_1615191941.58/0/iptables-tar/linux-system/audit
```

1.133 libsodium 1.0.18

1.133.1 Available under license :

```
/*
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* Frank Denis <j at pureftpd dot org>
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*/
```

1.134 slang 2.3.2

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1.136 gobject-introspection 1.60.2

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1. Seti UI - A subtle dark colored UI theme for Atom. (https://github.com/jesseweed/seti-ui)

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

```
*       1) skb->destructor / skb->atm.recycle_buffer
*          combined, allow nicstar_free_rx_skb to be called to
*          recycle large data buffers
*       2) skb_clone of received buffers
*   See nicstar_free_rx_skb and linearize_buffer for implementation
*    details.
*
*
*
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*
* M. Welsh, 6 July 1996
*
*
*/
```

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////

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

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

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

It's also possible to only enable support for `mp_list` by
including `<boost/mp11/mpl_list.hpp>`, and for `std::tuple`
by including `<boost/mp11/mpl_tuple.hpp>`. This may be required
because some libraries, such as Boost.Fusion, contain their own MPL
support for `std::tuple`, which conflicts with Mp11's one.
<!DOCTYPE html>
<html>
 <head></head>
 <body>
  <h3>
   Copyright Test
  </h3>

   1963, 1964, 1965 Jane Doe

   2018 Joe Blow, John Coe

   1977, 1985 Someone else

 </body>
</html>
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<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
"http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">

```
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 $"
xmlns:xi="http://www.w3.org/2001/XInclude">
 <title>Copyright Test</title>
 <articleinfo>
  <copyright>
   <year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
  </copyright>
  <copyright>
   <year>2018</year> <holder>Joe Blow, John Coe</holder>
  </copyright>
  <copyright>
   <year>1977</year> <year>1985</year> <holder>Someone else</holder>
  </copyright>
 </articleinfo>
</article>
```

```
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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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"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

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

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

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

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

compelled to copy the source along with the object code.

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

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

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

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

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

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

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

of these things:

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

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

c) Accompany the work with a written offer, valid for at
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specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

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

e) Verify that the user has already received a copy of these
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
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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

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

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

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1. Source Code.

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

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

The
"System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

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available free
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b) Convey the object code in, or embodied in, a physical product
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written offer, valid for at least three years
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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
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c) Convey individual copies of the object code with a copy of the
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only if you received the object code with such an offer, in accord
with subsection 6b.

d) Convey the object code by offering access from a designated
place (gratis or for a charge), and offer equivalent access to the
Corresponding Source in
the same way through the same place at no
further charge. You need not require recipients to copy the
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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

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e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

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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
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lib/gssapi/mechglue/g_dsp_status.c
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lib/gssapi/mechglue/g_exp_sec_context.c

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lib/gssapi/mechglue/g_glue.c
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lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
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lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
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lib/gssapi/mechglue/mglueP.h
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lib/gssapi/spnego/gssapiP_spnego.h
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1.143 pam 1.3.1-14.el8

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1.144 open-ldap 2.4.46-16.el8

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1.145 tcpdump 4.9.3-1.el8

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1.146 libnsl 1.2.0-2.20180605git4a062cf.el8

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Appendix: How to Apply These Terms to Your New Programs

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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.

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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This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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consider it more useful to permit linking
proprietary applications with the
library. If this is what you want to do, use the GNU Library General
Public License instead of this License.

1.152 libassuan 2.5.1-3.el8

1.152.1 Available under license :

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

For example, on rare occasions, there may be a special need to

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

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

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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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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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

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work with the complete corresponding
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library `Frob' (a library for tweaking knobs) written by James
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Version 3, 29 June 2007

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Finally, every program is threatened constantly by software patents.
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make it effectively proprietary. To prevent this, the GPL assures that
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1. Source Code.

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

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

The "System Libraries" of an executable work include anything, other than
the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component

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

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

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

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

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

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

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

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1.158 attr 2.4.48-3.el8

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This option is useful when you wish to copy part of the code of
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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

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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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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.
^L
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.

8. You may not copy, modify, sublicense, link with, or distribute
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^L
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This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

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^L
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of all derivatives of our free software and of promoting the sharing
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^L

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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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This library is free software; you can redistribute it and/or modify it under the terms of the GNU Lesser General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

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

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

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

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

That's all there is to it!
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

Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
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.

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
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=2Dmike

> Re: [Cracklib-devel] cracklib license
> From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18
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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
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Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

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library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license
From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

Seems like the ideal thing here would be for you and the other distro maintainers to get together with Alec in a conversation and come to a decision as to what licensing scheme y'all want. I haven't really done much other than cleaning up the packaging and patches and a small bit of additional code, so whatever licensing y'all come up with is fine by me.

-- Nathan
=20

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:33 PM
> To: Neulinger, Nathan
>
Cc: cracklib-devel@li...; Alec Muffett
> Subject: Re: [Cracklib-devel] cracklib license
>=20
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> -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:
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> 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 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 l91Gxtpr020623
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 1IcOcX-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: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@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-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
> 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
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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
>=20
> 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.
>=20
> 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.
>=20
> unlike the old license, GPL-2 prevents people from using cracklib
> unless their

> applications are also GPL-2 which imo is just wrong. it isnt the
> place of a
> library
to dictact to application writes what license they should
> be using.
> thus LGPL-2.1 enters to fill this void.
> -mike

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

I am sympathetic. Guys, what do you reckon?

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

-a

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

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

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

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
> > Seems like the ideal thing here would be for you and the other distro

> > maintainers to get together with Alec in a conversation and come to a
> > decision as to what licensing scheme y'all want. I haven't really done
> > much other than cleaning up the packaging and patches and a small
> > bit of
> > additional
code, so whatever licensing y'all come up with is fine
> > by me.
>
> I am sympathetic. Guys, what do you reckon?
>
> What I am hearing so far is that LGPL makes sense, since it can be
> linked with any code, not just GPL...

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

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

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

Cheers,

Nalin

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 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 l91Gxtpr020623
 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 1IcOcX-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: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@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-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
> 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

1.161 ima-evm-utils 1.1-5.el8

1.161.1 Available under license :

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

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1.162 findutils 4.6.0-20.el8

1.162.1 Available under license :

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1.165 keyutils 1.5.10-6.el8

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<signature of Ty Coon>, 1 April 1989
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1.166 libmetalink 0.1.3-7.el8

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A separable portion of the object code, whose source code is excluded from the Corresponding Source
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1.175 tcp-wrappers 7.6-77.el7

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1.176 kmod 25-16.el8

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