Open Source Used In Unified Communications Manager 12.0(1)SU3

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1.475 xalan 2.7.0
  1.475.1 Available under license

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analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
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analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
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   http://snowball.tartarus.org/

The KStem stemmer in
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   analysis/common/src/resources/org/apache/lucene/analysis/fa/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/ro/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/bg/stopwords.txt,
   analysis/common/src/resources/org/apache/lucene/analysis/hi/stopwords.txt

The German,Spanish,Finnish,French,Hungarian,Italian,Portuguese,Russian and Swedish light stemmers
(common) are based on BSD-licensed reference implementations created by Jacques Savoy and
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   analysis/common/src/java/org/apache/lucene/analysis/de/GermanLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/de/GermanMinimalStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/es/SpanishLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/fr/FrenchLightStemmer.java
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   analysis/common/src/java/org/apache/lucene/analysis/pt/PortugueseLightStemmer.java
   analysis/common/src/java/org/apache/lucene/analysis/ru/RussianLightStemmer.java
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You also need to have a Java Development Kit (JDK) version 1.2 (or higher) installed on your system. Before initiating any part of the build, set the JAVA_HOME environment variable to the installation directory of your JDK.

The Ant program is used to build everything in Xerces, including the documentation. This tool, and the others needed (besides the pre-requisite JDK) are contained within the tools package. To make building the packages easier, a Windows batch file and a Unix shell script are included.

If you only want to compile the source code and make the JAR files, run the following command on Windows:

    build.bat jars

or from Unix (make sure that build.sh is executable):

    build.sh jars

This will compile all of the source code and generate the JAR files that are available as part of the binary package. After building, these files will be located in the build/ directory.

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1.25 asm 1.0.2
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<head>
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<meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
<link rel="icon" type="image/png" href="/resources/favicon.ico"/>
<link rel="shortcut icon" type="image/png" href="/resources/favicon.ico"/>
<!-- prettify CSS (corresponding js at footer)-->
<link rel="stylesheet" href="/resources/css/prettify.css" type="text/css" />
<!-- Bootstrap CSS -->
<link rel="stylesheet" href="/resources/css/bootstrap.css" type="text/css" />
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,600,700,900,400italic,700italic' rel='stylesheet' type='text/css'>
<!-- Custom stylesheet -->
<link rel="stylesheet" href="/resources/css/main.css" type="text/css" />
<!-- Typekit (should stay at top of page, do not move to footer)-->
<script type="text/javascript" src="//use.typekit.net/abh3wgk.js"></script>
<script type="text/javascript">try{Typekit.load();}catch(e){}</script>
<!-- Atom feeds -->
<link rel="alternate" type="application/atom+xml" title="News Feed" href="/feed/index.xml" />
<link rel="alternate" type="application/atom+xml" title="Blog Feed" href="/feed/blog.xml" />
</head>
<body>
<div class="darkstrip"></div>
<div class="darkbluetopbar">
<div class="container" style="height: 100%">
<div class="navbar-wrap"
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1.27 AspectJ 1.6.12

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1.30 attr 2.4.44 :7.el6

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1.35 avahi 0.6.25 :15.el6
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That's all there is to it!
#!/bin/sh

# $Id$
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set -e

# Command line arguments:
# $1 event that happened:
#   BIND: Successfully claimed address
#   CONFLICT: An IP address conflict happened
#   UNBIND: The IP address is no longer needed
#   STOP: The daemon is terminating
# $2 interface name
# $3 IP address

case "$1" in
BIND)
  ifconfig "$2" "$3"/16
  ;;

CONFLICT|STOP|UNBIND)
    ifconfig "$2" "$3"/16 delete
    ;;
  *
    echo "Unknown event $1" >&2
    exit 1
    ;;
esac

exit 0

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From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with
SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site
a while back. I'd like your permission to include modified versions
of some of them in the next major bash distribution (with proper credit
given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne.`` - Chaucer

Chet Ramey, Case Western Reserve University
Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

From mikel@ora.com Tue Aug 1 12:13:20 1995
Flags: 10
Return-Path: mikel@ora.com

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
to work with bash-2.0. Does ORA have any problem with me distributing
it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).

-------
From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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1.42 bind 9.8.2 :0.62.rc1.el6_9.5
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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

* atf-c/ui.c: The format_paragraph and format_text functions were derived from the ones in the Monotone project, revision 3a0f82da308228d796d23f98d787c5c9f2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

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

Author: Julio Merino <jmmv84@gmail.com>

===========================================================================
vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

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

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

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

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

That's all there is to it!

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@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

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[This is the first released version of the Lesser GPL. It also counts as the successor of the GNU Library Public License, version 2, hence the version number 2.1.]
@end display

@appendixsubsec Preamble

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

This license, the Lesser General Public License, applies to some specially designated software---typically libraries---of the Free Software Foundation and other authors who decide to use it. You can use it too, but we suggest you first think carefully about whether this license or the ordinary General Public License is the better strategy to use in any particular case, based on the explanations below.

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

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

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

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the *Lesser* General Public License because it does *Less* to protect the user's freedom than the ordinary General Public License. It also provides other free software developers *Less* of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

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

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

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

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

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

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

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

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

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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.

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

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:

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.)

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

@ifex
@heading END OF TERMS AND CONDITIONS
@end iftex
@ifinfo
@center END OF TERMS AND CONDITIONS
@end ifinfo

@page
@appendixsubsec How to Apply These Terms to Your New Libraries
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@var{one line to give the library's name and an idea of what it does.}
Copyright (C) @var{year}  @var{name of author}
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
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This library is distributed in the hope that it will be useful, but
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Lesser General Public License for more details.
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License along with this library; if not, write to the Free Software
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301,
USA.
@end smallexample
```

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:

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

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

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Version 2.1, February 1999

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

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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.

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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.)

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
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That's all there is to it!
(This file is under construction.)-*- text -*-.

If you've contributed to gas and your name isn't listed here, it is
not meant as a slight. I just don't know about it. Email me,
nickc@redhat.com and I'll correct the situation.

This file will eventually be deleted: The general info will go into
the documentation, and info on specific files will go into an AUTHORS
file, as requested by the FSF.

++++++++++++++++

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

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

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

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

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

The Intel 80386 machine description was written by Eliot Dresselhaus.

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

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

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

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

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

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

David Edelsohn contributed fixes for the PowerPC and AIX support.
Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

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

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

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

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

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

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

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

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

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

1.44 boost 1.55.0
1.44.1 Notifications:

This product includes software developed at the University of Notre Dame and the Pervasive Technology Labs at Indiana University. For technical information contact Andrew Lumsdaine at the Pervasive Technology Labs at Indiana University. For administrative and license questions contact the Advanced Research and Technology Institute at 351 West 10th Street, Indianapolis, Indiana 46202, phone 317-278-4100, fax 317-274-5902.
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> Thanks, Peter

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1.47 c-ares 1.7.5

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1.49 cactus-12 1.5

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Last update: November 23 2003

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Contributors

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<li class="menuItem">
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<h1>Meritocracy</h1>

<blockquote>
<p>All work on Cactus is contributed by volunteers whose only motivation is to help make Cactus work even better, both for themselves and for rest of the community.</p>
</blockquote>

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</blockquote>

</div>

<div class="section">
<h1>Source code contributors</h1>

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Thanks to all that have reported bugs or suggested ideas for Cactus.

Thanks to all that are participating to the Cactus Logo competition.

And, of course ...
Thanks to the Apache Jakarta project for accepting the donation of J2EEUnit (renamed Cactus), thus giving it a home and more importantly a family.

More about us

Vincent Massol -- Committer

I started designing internet applications in 1998, when I joined OCTO Technology, an Information System Architecture Consulting company, providing expert IT Solutions and Application Architects in the field of new technologies (Application Servers, EAI, Internet Relationship Management). Very soon, when working on customer projects, I introduced the concept of unit testing (using JUnit) as a good way of writing reliable code. Although it worked very well for unit testing "standard" Java classes, it was much more difficult for classes that used container objects. Thus, I began developing a small generic framework to help unit test servlets. I improved the framework as I moved on, from customer to customer.

Until it was time to open source it! There were several drivers for that decision. As I spread the word about this framework within Octo, several octomen (and octowoman!) began using it and making modifications, and we ended up with several versions of it, making it difficult to synchronize them (although it was good for the evolutionary and darwinian side of it :) ). Another good reason was that I wanted to have feedback from the open source community and wanted to get help.
to improve it. Also, it was good to be able to provide to our customers a framework that would continue to evolve and be maintained even after we left the project. The last reason, maybe the strongest, is that I have always been fond of the open source concept and as Octo is providing consulting services, it did not clash with our business model!

Thus, I moved the project to SourceForge and called it J2EEUnit. It did well and more and more persons were downloading, participating and using it.

Now, most Applications Servers, EAI solutions or IRM ones are providing an infrastructure on which to build applications. But once you’ve bought the server, you’re far from being finished ... There is the business logic code to write but there is also a lot of "glue" to implement. These are technical frameworks like a Controller of the MVC model, a logging framework, an XML-Java mapping one, application configuration, localization, templating, ... And usually these frameworks are not provided in the software package you buy. And even if they are (logging for example), they are not best of breed ones. For these frameworks, I have always been using open source solutions so far (Struts, Log4j, Ant, ...). Thus, I was lurking on Jakarta mailing-lists when I heard about a new project starting, called "Commons" which was to be a place where common components useful for several Jakarta projects would be found. I thought the idea of having a server-side java unit testing framework for Jakarta project (which are server side projects) was a good idea. I proposed to donate J2EEUnit to the Apache Software Foundation ... and I was lucky enough it was accepted ! :-)

However, the J2EEUnit name was infringing on the Sun trademark on J2EE so we had to change the name. It was changed to Cactus (see the Why the name? page for why this name). I found that in the move from SourceForge to Jakarta, I had found a new home for Cactus but, more importantly, I had found a family ! The sense of Community is very strong on Jakarta. You can feel right away the atmosphere and see it is different from other places.
Then, thanks to Cactus growing community, our efforts were rewarded and Cactus was accepted as a Jakarta top level project, alongside the renowned Tomcat, Ant, Struts, ... waowww !
</p>

<p>
We are now busy improving Cactus and looking for help. The first step was to get Cactus up and running and demonstrate it worked and is useful. This step has been achieved (I hope :) ). The second step is now to build a community around Cactus and find persons who are willing to actively participate in the future of it. Unit testing has still not reached the mainstream of development practices but is in the process of doing so with increasing interest in lightweight (also called "Agile") methodologies like Extreme Programming (XP). On the other hand, java server side programming is becoming stronger every day. This is to say that there is a bright future ahead for Cactus and there is still everything to invent.
</p>

<p>
Although the project started as a one-man project, my goal has always been to relinquish as much as possible my hold on Cactus and make it a community-wide project. This is a work in progress and I am proud to say that I am no longer the only committer on the project and several persons have jumped aboard and are already helping shape Cactus future. Come and help us ! :)
</p>

<p>
More info on my current open source involvements can be found at <a href="http://c2.com/cgi/wiki?VincentMassol" title="">here</a>.
</p>

<a name="nick_bio"></a>
<p>
Nicholas Lesiecki -- Committer
</p>

I became involved in Cactus while co-authoring
<p>Java Tools for Extreme Programming</p>

(See our resources section for details.) While researching the framework I found myself making some suggestions on the project's mailing list. One thing led to another, and now I am graced with commiter status.

</p>

I currently work as a Technical Team Lead at eBlox, Inc, a consulting and ecommerce application development shop. Right now I lead development of the company's flagship online catalog system, storeBlox. As such, I'm always working on new ways to test J2EE components, and so my involvement with Cactus is natural.

</p>

I'm excited about Cactus 2.0, which we hope will usher in the next phase in in-container testing by providing a more abstract framework for interacting with a wider variety of containers (EJB, JMS, etc.).

</p>

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1.70 compat-db 4.6.21 :15.el6

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

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

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

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

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"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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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
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This option is useful when you wish to copy part of the code of
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4. You may copy and distribute the Library (or a portion or
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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
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Section 6 states terms for distribution of such executables.

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

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

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

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

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

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

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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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Appendix: How to Apply These Terms to Your New Libraries

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

That's all there is to it!
# Exactly the same as t-mips, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
SYSTEM_HEADER_DIR = /bsd43/usr/include

# Suppress building libgcc1.a, since the MIPS compiler port is complete
# and does not need anything from libgcc1.a.
LIBGCC1 =
CROSS_LIBGCC1 =
# Exactly the same as t-mips-gas, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
SYSTEM_HEADER_DIR = /bsd43/usr/include

# Suppress building libgcc1.a, since the MIPS compiler port is complete
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Stu Feldman (then at Bellcore, now at IBM)
Mark Maimone (Carnegie-Mellon University)
Norm Schryer (then AT&T Bell Labs, now AT&T Labs)
Please send bug reports to dmg@research.bell-labs.com.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free
program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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@unnumberedsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
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@center TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
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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.

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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.)
@end enumerate

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

@item
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,

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Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)
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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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POSSIBILITY OF SUCH DAMAGES.
@end enumerate

@end iftex
@end info
@page
@unnumberedsec How to Apply These Terms to Your New Programs

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

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

@smallexample
@var{one line to give the program's name and an idea of what it does.}
Copyright (C) 19@var{yy}  @var{name of author}

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

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You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.
@end smallexample

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

@example
Gnomovision
Gnomovision version 69, Copyright (C) 19@var{yy} @var{name of author}
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details
type `show w'. This is free software, and you are welcome
to redistribute it under certain conditions; type `show c'
for details.
@end smallexample

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

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

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

@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end group
@end example
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@c This LGPL is meant to be included from other files.
@c To format a standalone LGPL, use liblic.texi.

@ifset lgpl-appendix
@appendix GNU LIBRARY GENERAL PUBLIC LICENSE
@end ifset

@ifclear lgpl-appendix
@unnumbered GNU LIBRARY GENERAL PUBLIC LICENSE
@end ifclear

@center Version 2, June 1991

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]
@end display

@unnumberedsec Preamble

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To protect your rights, we need to make restrictions that forbid
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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 a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

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

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@unnumberedsec TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION
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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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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.

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

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
root function must still compute square roots.)
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These requirements apply to the modified work as a whole. If
identifiable sections of that work are not derived from the Library,
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themselves, then this License, and its terms, do not apply to those
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entire whole, and thus to each and every part regardless of who wrote
it.

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

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

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

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that copy, so the ordinary GNU General Public License applies to all
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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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
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compelled to copy the source along with the object code.

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

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

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

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

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

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

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

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- Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
For an executable, the required form of the `work that uses the Library` must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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@item
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@startinfo
@format
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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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Preamble

The licenses for most software are designed to take away your
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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 a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

However, unrestricted linking of non-free programs would deprive the
users of those programs of all benefit from the free status of the
libraries themselves. This Library General Public License is intended to
permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
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this as regards changes in header files, but we have achieved it as regards
changes in the actual functions of the Library.) The hope is that this
will lead to faster development of free libraries.

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

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

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   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.

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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

That's all there is to it!

1.74 compat-glibc 2.5 :46.2

1.74.1 Available under license :

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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

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

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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.)

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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify 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.

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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.>
Copyright (C) <year>  <name of author>

This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
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Also add information on how to contact you by electronic and paper mail.
If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

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

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

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

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

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

This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may 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.

1.79 cpuspeed 1.5 :22.el6
1.79.1 Available under license:

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Version 2, June 1991

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Preamble

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

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

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

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running the Program is not restricted, and the output from the Program is covered only if its contents constitute a work based on the Program (independent of having been made by running the Program). Whether that is true depends on what the Program does.

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

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
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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
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the scope of this License.

3. You may copy and distribute the Program (or a work based on it,
under Section 2) in object code or executable form under the terms of
Sections 1 and 2 above provided that you also do one of the following:

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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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 program is free software; you can redistribute it and/or modify
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Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) 19yy name of author
    Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
    This is free software, and you are welcome to redistribute it
    under certain conditions; type `show c' for details.

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

You should also get your employer (if you work as a programmer) or your
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    <signature of Ty Coon>, 1 April 1989
    Ty Coon, President of Vice

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Contributors:
    Enrico Tassi <tassi@cs.unibo.it>

1.80 cracklib 2.8.16 :4.el6
1.80.1 Available under license:

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Version 2.1, February 1999

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Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
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   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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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
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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.

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-----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected in released code until Nov 2009 - slow release cycle...)
-----------

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

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
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> -mike

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2Dmike

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> [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
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> > -mike

Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57
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> 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
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> > 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?

-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.

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

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

On Sunday 05 October 2008, Alec Muffett wrote:

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

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

yes. go for it. thanks++

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

-mike
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-ipv5.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 I91Gxptr020623
   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 llOcX-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>
   <1b1b3fd80710010908k111dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
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.

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From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
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> Sent: Monday, October 01, 2007 8:15 PM
> To: cracklib-devel@li...
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Dmike

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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
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 smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id i91Gxtpr020623 for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 2C7734D311 for <nneul@neulinger.org>; Mon, 01 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@email.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@email.gmail.com>
Content-Type: text/plain; charset=UTF-8; delsp=yes; format=fixed
Message-Id: <117A1264-F6DC-4E25-B0DD-56F8FE6E69F@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

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* 
* */

1.82 crontabs 1.10 :33.el6
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Thus, it is not the intent of this section to claim rights or contest
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exercise the right to control the distribution of derivative or
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In addition, mere aggregation of another work not based on the Program
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b) Accompany it with a written offer, valid for at least three
years, to give any third party, for a charge no more than your
cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer
to distribute corresponding source code. (This alternative is
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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
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form) with the major components (compiler, kernel, and so on) of the
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

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

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>

This program is free software; you can redistribute it and/or modify
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The hypothetical commands `show w' and `show c' should show the appropriate
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mouse-clicks or menu items--whatever suits your program.

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school, if any, to sign a "copyright disclaimer" for the program, if
necessary. Here is a sample; alter the names:

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

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

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

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the same as in the ordinary license.

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

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

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

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

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

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.
The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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
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Appendix: How to Apply These Terms to Your New Libraries

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1.86 curl 7.28.0

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1.88 curl 7.19.7 :52.el6

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(http://www.w3.org/TR/ws-metadata-exchange/)
(http://schemas.xmlsoap.org/ws/2004/09/mex/)
(http://docs.oasis-open.org/ws-sx/ws-trust/v1.4/ws-trust.html)

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SH NAME
sasl_getsimple_t - The SASL callback for username/authname/realm

/* sample-server.c -- sample SASL server
 * Rob Earhart
 * $Id: sample-server.c,v 1.31 2004/10/26 11:14:34 mel Exp $
 */

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/*

*/ sample-client.c -- sample SASL client
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Theodore Ts'o
23-June-2007

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This is the Debian GNU/Linux prepackaged version of the Common Error
Description library. It is currently distributed together with the EXT2 file
system utilities, which are otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>,
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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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

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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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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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Theodore Ts'o
23-June-2007

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

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

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

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

That's all there is to it!
#
# 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): $(OBJ)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(OBJ))
$(MV) pic/$(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)

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

- trivial database library - private includes
- Copyright (C) Andrew Tridgell 2005
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1.113 e2fsprogs-lib 1.41.9

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1.114 ecs 1.4.2

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object
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#
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#
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1.134 gawk 3.1.7 :10.el6_7.3

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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such claims; this section has the sole purpose of protecting the integrity of the free software distribution system which is implemented by public license practices. Many people have made generous contributions to the wide range of software distributed through that system in reliance on consistent application of that system; it is up to the author/donor to decide if he or she is willing to distribute software through any other system and a licensee cannot impose that choice.

This section is intended to make thoroughly clear what is believed to be a consequence of the rest of this License.

12. If the distribution and/or use of the Library is restricted in certain countries either by patents or by copyrighted interfaces, the original copyright holder who places the Library under this License may add an explicit geographical distribution limitation excluding those countries, so that distribution is permitted only in or among countries not thus excluded. In such case, this License incorporates the limitation as if written in the body of this License.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

<one line to give the library's name and a brief idea of what it does.>  
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This library is free software; you can redistribute it and/or modify it under the terms of the GNU Library 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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You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston,
Also add information on how to contact you by electronic and paper mail.

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

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

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

That's all there is to it!

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Version 3, 29 June 2007

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To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.
For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

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

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

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

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

TERMS AND CONDITIONS

0. Definitions.

"This License" refers to version 3 of the GNU General Public License.

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

"The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as "you". "Licensees" and
"recipients" may be individuals or organizations.

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.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

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An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.


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

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

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

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

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

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

2. Basic Permissions.

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Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary.
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You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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

b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices".

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

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

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

6. Conveying Non-Source Forms.

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

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

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

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.
d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular 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 actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a
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Corresponding Source conveyed under this section must be accompanied
by the Installation Information. But this requirement does not apply
if neither you nor any third party retains the ability to install
modified object code on the User Product (for example, the work has
been installed in ROM).

The requirement to provide Installation Information does not include a
requirement to continue to provide support service, warranty, or updates
for a work that has been modified or installed by the recipient, or for
the User Product in which it has been modified or installed. Access to a
network may be denied when the modification itself materially and
adversely affects the operation of the network or violates the rules and
protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided,
in accord with this section must be in a format that is publicly
documented (and with an implementation available to the public in
source code form), and must require no special password or key for
unpacking, reading or copying.

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HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

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

Some other contributors:

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

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@miame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks(agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)

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@end smallexample

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

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

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

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

@example
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
This General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may 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.

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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This GCC Runtime Library Exception ("Exception") is an additional permission under section 7 of the GNU General Public License, version 3 ("GPLv3"). It applies to a given file (the "Runtime Library") that bears a notice placed by the copyright holder of the file stating that the file is governed by GPLv3 along with this Exception.

When you use GCC to compile a program, GCC may combine portions of certain GCC header files and runtime libraries with the compiled program. The purpose of this Exception is to allow compilation of non-GPL (including proprietary) programs to use, in this way, the header files and runtime libraries covered by this Exception.

0. Definitions.

A file is an "Independent Module" if it either requires the Runtime Library for execution after a Compilation Process, or makes use of an interface provided by the Runtime Library, but is not otherwise based on the Runtime Library.

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"GPL-compatible Software" is software whose conditions of propagation, modification and use would permit combination with GCC in accord with the license of GCC.
"Target Code" refers to output from any compiler for a real or virtual target processor architecture, in executable form or suitable for input to an assembler, loader, linker and/or execution phase. Notwithstanding that, Target Code does not include data in any format that is used as a compiler intermediate representation, or used for producing a compiler intermediate representation.

The "Compilation Process" transforms code entirely represented in non-intermediate languages designed for human-written code, and/or in Java Virtual Machine byte code, into Target Code. Thus, for example, use of source code generators and preprocessors need not be considered part of the Compilation Process, since the Compilation Process can be understood as starting with the output of the generators or preprocessors.

A Compilation Process is "Eligible" if it is done using GCC, alone or with other GPL-compatible software, or if it is done without using any work based on GCC. For example, using non-GPL-compatible Software to optimize any GCC intermediate representations would not qualify as an Eligible Compilation Process.

1. Grant of Additional Permission.

You have permission to propagate a work of Target Code formed by combining the Runtime Library with Independent Modules, even if such propagation would otherwise violate the terms of GPLv3, provided that all Target Code was generated by Eligible Compilation Processes. You may then convey such a combination under terms of your choice, consistent with the licensing of the Independent Modules.

2. No Weakening of GCC Copyleft.

The availability of this Exception does not imply any general presumption that third-party software is unaffected by the copyleft requirements of the license of GCC.

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@cindex LGPL, Lesser General Public License
@center Version 2.1, February 1999

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We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

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author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.
Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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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
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writing it). Whether that is true depends on what the Library does
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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
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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

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

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

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1.136 GConf2 2.28.0 :6.el6

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

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

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

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

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.
The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

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

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

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

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

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

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

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

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This option is useful when you wish to copy part of the code of
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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

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

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

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

<one line to give the program's name and a brief idea of what it does.>
Copyright (C) 19yy  <name of author>
This program is free software; you can redistribute it and/or modify
it under the terms of the GNU General Public License as published by
the Free Software Foundation; either version 2 of the License, or
(at your option) any later version.

This program is distributed in the hope that it will be useful,
but WITHOUT ANY WARRANTY; without even the implied warranty of
MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.  See the
GNU General Public License for more details.

You should have received a copy of the GNU General Public License
along with this program; if not, write to the Free Software
Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  02111-1307  USA

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

If the program is interactive, make it output a short notice like this
when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) 19yy name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.

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

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

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

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

This General Public License does not permit incorporating your program into
proprietary programs.  If your program is a subroutine library, you may
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.

GNU LIBRARY GENERAL PUBLIC LICENSE
   Version 2, June 1991
Copyright (C) 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

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

When we speak of free software, we are referring to freedom, not
price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
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To protect your rights, we need to make restrictions that forbid
anyone to deny you these rights or to ask you to surrender the rights.
These restrictions translate to certain responsibilities for you if
you distribute copies of the library, or if you modify it.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.
2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Appendix: How to Apply These Terms to Your New Libraries

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

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

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

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

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

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

We protect your rights with a two-step method: (1) we copyright the library, and (2) we offer you this license, which gives you legal permission to copy, distribute and/or modify the library.

To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

We call this license the @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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@end iftex
@ifinfo
@include GNULICENSE
@end ifinfo

@enumerate 0
@item
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If a facility in the modified Library refers to a function or a
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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
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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
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application-supplied function or table used by this function must
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root function must still compute square roots.)

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

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1844

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

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

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Also add information on how to contact you by electronic and paper mail.
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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

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

That's all there is to it!

1.139 gdbm 1.8.0 :39.el6
1.139.1 Available under license :

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Version 2, June 1991

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Preamble

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For example, if you distribute copies of such a program, whether gratis or for a fee, you must give the recipients all the rights that you have. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

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Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

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

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copyright notice and disclaimer of warranty; keep intact all the
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You may charge a fee for the physical act of transferring a copy, and
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   a) You must cause the modified files to carry prominent notices
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identifiable sections of that work are not derived from the Program,
and can be reasonably considered independent and separate works in
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Thus, it is not the intent of this section to claim rights or contest
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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

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

<one line to give the program's name and a brief idea of what it does.>
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You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

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

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

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1.140 gdk-pixbuf2 2.24.1 :6.el6_7
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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

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

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

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

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

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

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

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

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

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

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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.

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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:

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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---

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

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1.158 HAPerxy 1.5.11 :2014/02/03
1.158.1 Available under license :

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Historically, haproxy has been covered by GPL version 2. However, an issue
appeared in GPL which will prevent external non-GPL code from being built
using the headers provided with haproxy. My long-term goal is to build a core
system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...),
some of them might be accessible only after signing an NDA. Enforcing GPL on
such modules would only prevent them from ever being implemented, while not
providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules
when needed, with a GPL core and GPL modules for standard protocols, so that
people fixing bugs don't keep them secretly to try to stay over competition.

The solution was then to apply the LGPL license to the exportable include
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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

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"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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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
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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 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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Preamble

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

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

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

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

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

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

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

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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
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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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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.

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

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

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
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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
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) 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:
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1.189 java_cup_script 0.10k :5.el6
1.189.1 Available under license :

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1.190 JavaBeans Activation Framework (JAF)

1.1

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Javassist version 3

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1.213 json-smart 2.1.1

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Version 2.1, February 1999

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

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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under certain conditions; type `show c' for details.  

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

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

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

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

This General Public License does not permit incorporating your program into  
proprietary programs. If your program is a subroutine library, you may  
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library. If this is what you want to do, use the GNU Library General  
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Version 2, June 1991  

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[This is the first released version of the library GPL. It is  
numbered 2 because it goes with version 2 of the ordinary GPL.]  

Preamble  

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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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.

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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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from a designated place, then offering equivalent access to copy the
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therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
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threshold for this to be true is not precisely defined by law.

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

6. As an exception to the Sections above, you may also compile or
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<br>

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

That's all there is to it!

/* nicstar.c  v0.22  Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 * *
 * Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
 * http://www.hypermall.com/
 * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 * interrupts us (except possibly for removal/insertion of the cable?)
 * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 * and spelling mistakes.
 * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 * loss of link, and correctly re-enable PHY when link is
 * re-established. (put back CFG_PHYIE)
 * *
 * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
 * *
 * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
 * *
 * Linux driver for the IDT77201 NICStAR PCI ATM controller.
 * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 * see init_nicstar() for PHY initialization to change this. This driver
 * expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
* 
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
* 
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
* 
* M. Welsh, 6 July 1996
* 
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#ifndef __LICENSE_H
#define __LICENSE_H

static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
            || strcmp(license, "GPL v2") == 0
            || strcmp(license, "GPL and additional rights") == 0
            || strcmp(license, "Dual BSD/GPL") == 0
            || strcmp(license, "Dual MIT/GPL") == 0
            || strcmp(license, "Dual MPL/GPL") == 0);
}
#endif

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QLogic Linux qlge NIC Driver

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Thanks go to the following people for patches and contributions:

Michael Hunold <m.hunold@gmx.de>
for the initial saa7146 driver and it's recent overhaul

Christian Theiss
for his work on the initial Linux DVB driver

Marcus Metzler <mocm@metzlerbros.de>
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for their continuing work on the DVB driver

Michael Holzt <kju@debian.org>
for his contributions to the dvb-net driver
Diego Picciani <d.picciani@novacomp.it>
for CyberLogin for Linux which allows logging onto EON
(in case you are wondering where CyberLogin is, EON changed its login
procedure and CyberLogin is no longer used.)

Martin Schaller <martin@smurf.franken.de>
for patching the cable card decoder driver

Klaus Schmidinger <Klaus.Schmidinger@cadsoft.de>
for various fixes regarding tuning, OSD and CI stuff and his work on VDR

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for his AFC kernel thread

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Wolfram Joost <dbox2@frokaschwei.de>
...and all the other dbox2 people
for many bugfixes in the generic DVB Core, frontend drivers and
their work on the dbox2 port of the DVB driver

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for many bugfixes

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for the tda1004x frontend driver, and various bugfixes

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for all the work for the FlexCopII chipset by B2C2,Inc.

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for his work on the budget drivers, the demux code,
the module unloading problems, ...

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for the support of the Fujitsu-Siemens Activy budget DVB-S

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for adding support for Typhoon DVB-S budget card

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for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

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for maintaining v4l/dvb inter-tree dependencies

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for the nxt2002 frontend driver

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Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/libgss/g_accept_sec_context.c
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lib/libgss/g_canon_name.c
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cmd/krb5/kadmin/server/ipropd_svc.c
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cmd/krb5/kproplog/kproplog.c
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cmd/krb5/slave/kpropd_rpc.c
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lib/gss_mechs/mech_krb5/et/kdb5_err.c
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```
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
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lib/gss_mechs/mech_spnego/mach/spnego_mech.c
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lib/krb5/kadm5/kadm_host_srv_names.c
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lib/krb5/kdb/kdb_convert.c
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lib/krb5/kdb/kdb_hdr.h
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lib/krb5/kdb/kdb_log.c
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lib/krb5/kdb/kdb_log.h
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lib/libgss/g_accept_sec_context.c
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lib/libgss/g_acquire_cred.c
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lib/libgss/g_canon_name.c
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lib/libgss/g_compare_name.c
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lib/libgss/g_context_time.c
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lib/libgss/g_delete_sec_context.c
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lib/libgss/g_exp_sec_context.c
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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in
`src/lib/gssapi`, including the following files:

lib/gssapi/generic/gssapi_err_generic.et  
lib/gssapi/mechglue/g_accept_sec_context.c  
lib/gssapi/mechglue/g_acquire_cred.c  
lib/gssapi/mechglue/g_canon_name.c  
lib/gssapi/mechglue/g_compare_name.c  
lib/gssapi/mechglue/g_context_time.c  
lib/gssapi/mechglue/g_delete_sec_context.c  
lib/gssapi/mechglue/g_dsp_name.c  
lib/gssapi/mechglue/g_dsp_status.c  
lib/gssapi/mechglue/g_dup_name.c  
lib/gssapi/mechglue/g_exp_sec_context.c  
lib/gssapi/mechglue/g_export_name.c  
lib/gssapi/mechglue/g_glue.c  
lib/gssapi/mechglue/g_imp_name.c  
lib/gssapi/mechglue/g_imp_sec_context.c  
lib/gssapi/mechglue/g_init_sec_context.c  
lib/gssapi/mechglue/g_initialize.c  
lib/gssapi/mechglue/g_inquire_context.c  
lib/gssapi/mechglue/g_inquire_cred.c  
lib/gssapi/mechglue/g_inquire_names.c  
lib/gssapi/mechglue/g_process_context.c  
lib/gssapi/mechglue/g_rel_buffer.c  
lib/gssapi/mechglue/g_rel_cred.c  
lib/gssapi/mechglue/g_rel_name.c  
lib/gssapi/mechglue/g_rel_oid_set.c  
lib/gssapi/mechglue/g_seal.c  
lib/gssapi/mechglue/g_sign.c  
lib/gssapi/mechglue/g_store_cred.c  
lib/gssapi/mechglue/g_unseal.c  
lib/gssapi/mechglue/g_userok.c  
lib/gssapi/mechglue/g_utils.c  
lib/gssapi/mechglue/g_verify.c  
lib/gssapi/mechglue/gssd_pname_to_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid_ops.c  
lib/gssapi/spnego/gssapiP_spnego.h  
lib/gssapi/spnego/spnego_mech.c

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

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

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1.228 libaio 0.3.107 :10.el6

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

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

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

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

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

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

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

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

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

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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

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

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

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

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#
# Configuration subroutine to validate and canonicalize a configuration type.
# Supply the specified configuration type as an argument.
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# Otherwise, we print the canonical config type on stdout and succeed.

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*/

1.237 libevent 1.4.13 :4.el6
1.237.1 Available under license:

# generated automatically by aclocal 1.10.1 -*- Autoconf -*.-

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m4_ifndef([AC_AUTOCONF_VERSION],
  [m4_copy([m4_PACKAGE_VERSION], [AC_AUTOCONF_VERSION])]dnl
m4_if([AC_AUTOCONF_VERSION], [2.63],
  [m4_warning([this file was generated for autoconf 2.63.
You have another version of autoconf. It may work, but is not guaranteed to.
If you have problems, you may need to regenerate the build system entirely.
To do so, use the procedure documented by the package, typically 'autoreconf'.])]dnl)

# libtool.m4 - Configure libtool for the host system. -*.-Autoconf-*.-

# serial 52 AC_PROG_LIBTOOL

# AC_PROVIDE_IFELSE(MACRO-NAME, IF-PROVIDED, IF-NOT-PROVIDED)
# ---------------------------------------------------------------
# If this macro is not defined by Autoconf, define it here.
m4_ifndef([AC_PROVIDE_IFELSE],
  [],
  [m4_define([AC_PROVIDE_IFELSE],
    [m4_ifndef([AC_PROVIDE_$1],
      [$2], [$3]))])]

# AC_PROG_LIBTOOL
# ----------------
AC_DEFUN([AC_PROG_LIBTOOL],
  [AC_REQUIRE([AC_PROG_LIBTOOL])]dnl
dnl If AC_PROG_CXX has already been expanded, run AC_LIBTOOL_CXX
dnl immediately, otherwise, hook it in at the end of AC_PROG_CXX.
AC_PROVIDE_IFELSE([AC_PROG_CXX],
  [AC_LIBTOOL_CXX],
  [define([AC_PROG_CXX], defn([AC_PROG_CXX])[AC_LIBTOOL_CXX]])]
And a similar setup for Fortran 77 support
AC_PROVIDE_IFELSE([AC_PROG_F77],
[AC_LIBTOOL_F77],
[define([AC_PROG_F77], defn([AC_PROG_F77])([AC_LIBTOOL_F77]))])

Quote A][M_PROG_GCJ so that aclocal doesn't bring it in needlessly.
If either AC_PROG_GCJ or A][M_PROG_GCJ have already been expanded, run
AC_LIBTOOL_GCJ immediately, otherwise, hook it in at the end of both.
AC_PROVIDE_IFELSE([AC_PROG_GCJ],
[AC_LIBTOOL_GCJ],
[AC_PROVIDE_IFELSE([A][M_PROG_GCJ],
[AC_LIBTOOL_GCJ],
[AC_PROVIDE_IFELSE([LT_AC_PROG_GCJ],
[AC_LIBTOOL_GCJ],
[ifdef([AC_PROG_GCJ],
[define([AC_PROG_GCJ], defn([AC_PROG_GCJ])([AC_LIBTOOL_GCJ]))
ifdef([A][M_PROG_GCJ],
[define([A][M_PROG_GCJ], defn([A][M_PROG_GCJ])([AC_LIBTOOL_GCJ]))
ifdef([LT_AC_PROG_GCJ],
[define([LT_AC_PROG_GCJ],
defn([LT_AC_PROG_GCJ])([AC_LIBTOOL_GCJ]))))])])# AC_PROG_LIBTOOL

# _AC_PROG_LIBTOOL
# ----------------
AC_DEFUN([_AC_PROG_LIBTOOL],
[AC_REQUIRE([AC_LIBTOOL_SETUP])]
dnl
AC_BEFORE([$0],[AC_LIBTOOL_CXX])
dnl
AC_BEFORE([$0],[AC_LIBTOOL_F77])
dnl
AC_BEFORE([$0],[AC_LIBTOOL_GCJ])
dnl

# This can be used to rebuild libtool when needed
LIBTOOL_DEPS="$ac_aux_dir/lmain.sh"

# Always use our own libtool.
LIBTOOL='$($SHELL) $(top_builddir)/libtool'
AC_SUBST(LIBTOOL)dnl

# Prevent multiple expansion
define([AC_PROG_LIBTOOL], [])
))# _AC_PROG_LIBTOOL

# AC_LIBTOOL_SETUP
# ----------------
AC_DEFUN([AC_LIBTOOL_SETUP],
AC_PREREQ(2.50)

AC_REQUIRE([AC_ENABLE_SHARED])
AC_REQUIRE([AC_ENABLE_STATIC])
AC_REQUIRE([AC_ENABLE_FAST_INSTALL])
AC_REQUIRE([AC_CANONICAL_HOST])
AC_REQUIRE([AC_CANONICAL_BUILD])
AC_REQUIRE([AC_PROG_CC])
AC_REQUIRE([AC_PROG_LD])
AC_REQUIRE([AC_PROG_LD_RELOAD_FLAG])
AC_REQUIRE([AC_PROG_NM])

AC_REQUIRE([AC_PROG_LN_S])
AC_REQUIRE([AC_DEPLIBS_CHECK_METHOD])

# Autoconf 2.13's AC_OBJEXT and AC_EXEEXT macros only works for C compilers!
AC_REQUIRE([AC_OBJEXT])
AC_REQUIRE([AC_EXEEXT])
dnl
AC_LIBTOOL_SYS_MAX_CMD_LEN
AC_LIBTOOL_SYS_GLOBAL_SYMBOL_PIPE
AC_LIBTOOL_OBJCDIR

AC_REQUIRE([_LT_AC_SYS_COMPILER])
_LT_AC_PROG_ECHO_BACKSLASH

case $host_os in
  aix3*)
    # AIX sometimes has problems with the GCC collect2 program. For some
    # reason, if we set the COLLECT_NAMES environment variable, the problems
    # vanish in a puff of smoke.
    if test "X${COLLECT_NAMES+set}" != Xset; then
      COLLECT_NAMES=
      export COLLECT_NAMES
    fi
  ;;
esac

# Sed substitution that helps us do robust quoting. It backslashifies
# metacharacters that are still active within double-quoted strings.
Xsed='sed -e 1s/^X//'
[sed_quote_subst='s/\["$'\\\]/\\1/g']

# Same as above, but do not quote variable references.
[double_quote_subst='s/\(["\\\\\\\\]\)/\\1/g']

# Sed substitution to delay expansion of an escaped shell variable in a
# double_quote_subst'ed string.
delay_variable_subst='s/\\\\\\\\/\\\\\\\\/g'}
# Sed substitution to avoid accidental globbing in evaled expressions
no_glob_subst='s/\*\*/\*/g'

# Constants:
rm="rm -f"

can_build_shared=yes

# Global variables:
default_ofile=libtool

# All known linkers require a `.a` archive for static linking (except MSVC, 
# which needs `.lib`).
libext=a
ltmain="$ac_aux_dir/ltmain.sh"
ofile="$default_ofile"
with_gnu_ld="$lt_cv_prog_gnu_ld"

AC_CHECK_TOOL(AR, ar, false)
AC_CHECK_TOOL(RANLIB, ranlib, :)
AC_CHECK_TOOL(STRIP, strip, :)

old_CC="$CC"
old_CFLAGS="$CFLAGS"

# Set sane defaults for various variables
test -z "$AR" && AR=ar
test -z "$AR_FLAGS" && AR_FLAGS=cru
test -z "$AS" && AS=as
test -z "$CC" && CC=cc
test -z "$LTCC" && LTCC=CC
test -z "$LTCFLAGS" && LTCFLAGS=$CFLAGS
test -z "$DLLTOOL" && DLLTOOL=dlltool
test -z "$LD" && LD=ld

test -z "$LN_S" && LN_S="ln -s"
test -z "$MAGIC_CMD" && MAGIC_CMD=file

test -z "$NM" && NM=nm
test -z "$SED" && SED=se

test -z "$OBJDUMP" && OBJDUMP=objdump

test -z "$RANLIB" && RANLIB=

test -z "$STRIP" && STRIP=

test -z "$ac_objext" && ac_objext=0

# Determine commands to create old-style static archives.
old_archive_cmds='$AR $AR_FLAGS $oldlib$oldobjs'
old_postinstall_cmds='chmod 644 $oldlib'
old_postuninstall_cmds=

if test -n "$RANLIB"; then


case $host_os in
  openbsd*)
    old_postinstall_cmds="$old_postinstall_cmds-$RANLIB -t $oldlib"
    ;;
  *)
    old_postinstall_cmds="$old_postinstall_cmds-$RANLIB $oldlib"
    ;;
esac
old_archive_cmds="$old_archive_cmds-$RANLIB $oldlib"
fi

_LT_CC_BASENAME([$compiler])

# Only perform the check for file, if the check method requires it
case $deplibs_check_method in
  file_magic*)
    if test "$file_magic_cmd" = '$MAGIC_CMD'; then
      AC_PATH_MAGIC
    fi
    ;;
esac

_LT_REQUIRED_DARWIN_CHECKS

AC_PROVIDE_IFELSE([AC_LIBTOOL_DLOPEN], enable_dlopen=yes, enable_dlopen=no)
AC_PROVIDE_IFELSE([AC_LIBTOOL_WIN32_DLL],
                  enable_win32_dll=yes, enable_win32_dll=no)

AC_ARG_ENABLE([libtool-lock],
               [AC_HELP_STRING([--disable-libtool-lock],
                              [avoid locking (might break parallel builds)]))]
            test "x$enable_libtool_lock" != xno && enable_libtool_lock=yes

AC_ARG_WITH([pic],
             [AC_HELP_STRING([--with-pic],
                             [try to use only PIC/non-PIC objects @<@default=use both@>:@]],[pic_mode="$withval"],
                             [pic_mode=default])]
            test -z "$pic_mode" && pic_mode=default

# Use C for the default configuration in the libtool script
tagname=
AC_LIBTOOL_LANG_C_CONFIG
_LT_AC_TAGCONFIG
} # AC_LIBTOOL_SETU
AC_DEFUN([_LT_AC_SYS_COMPILER],
[AC_REQUIRE([AC_PROG_CC])])

# If no C compiler was specified, use CC.
LTCC=${LTCC-"$CC"}

# If no C compiler flags were specified, use CFLAGS.
LTCFLAGS=${LTCFLAGS-"$CFLAGS"}

# Allow CC to be a program name with arguments.
compiler=${CC}

AC_DEFUN([_LT_CC_BASENAME],
[for cc_temp in $1""; do
 case $cc_temp in
  compile | *[[\/]compile | ccache | *[[\/]ccache ) ;;
  distcc | *[[\/]distcc | purify | *[[\/]purify ) ;;
  \
  *) break;;
 esac
done
cc_basename='$echo "X$cc_temp" | $Xsed -e "s%.*/%%" -e "s%$host_alias-%%"'
]

AC_DEFUN([_LT_COMPILER_BOILERPLATE],
[AC_REQUIRE([LT_AC_PROG_SED])]

ac_outfile=conftest.$ac_objext
ac_compile='echo "$lt_simple_compile_test_code" >conftest.$ac_ext
eval "$ac_compile" 2>&1 >/dev/null | $SED '/^$/d; /^ */d' >conftest.err

_lt_compiler_boilerplate='cat conftest.err'

$rm conftest*
]

AC_DEFUN([_LT_LINKER_BOILERPLATE],

[AC_REQUIRE([LT_AC_PROG_SED])]

ac_outfile=conftest.$ac_objext
ac_compile='echo "$lt_simple_compile_test_code" >conftest.$ac_ext
eval "$ac_compile" 2>&1 >/dev/null | $SED '/^$/d; /^ */d' >conftest.err

_lt_linker_boilerplate='cat conftest.err'

$rm conftest*
]

# Check for linker boilerplate output or warnings with
# the simple link test code.
AC_DEFUN([_LT_LINKER_BOILERPLATE],
[AC_REQUIRE([LT_AC_PROG_SED])dnl
ac_outfile=conftest.$ac_objext
echo "$lt_simple_link_test_code" >conftest.$ac_ext
eval "$ac_link" 2>&1 >/dev/null | $SED '/^$/d; /^ *+/d' >conftest.err
_lt_linker_boilerplate='cat conftest.err'
$rm -r conftest*
])# _LT_LINKER_BOILERPLATE

# _LT_REQUIRED_DARWIN_CHECKS
# --------------------------
# Check for some things on darwin
AC_DEFUN([_LT_REQUIRED_DARWIN_CHECKS],[
  case $host_os in
    rhapsody* | darwin*)
    AC_CHECK_TOOL([DSYMUTIL], [dsymutil], [:])
    AC_CHECK_TOOL([NMEDIT], [nmedit], [:])
  esac
[lt_cv_apple_cc_single_mod=no
    if test -z "${LT_MULTI_MODULE}"; then
      # By default we will add the -single_module flag. You can override
      # by either setting the environment variable LT_MULTI_MODULE
      # non-empty at configure time, or by adding -multi_module to the
      # link flags.
      echo "int foo(void){return 1;}" > conftest.c
      $LTCC $LTCFLAGS $LDFLAGS -o libconftest.dylib
      -dynamiclib ${wl}-single_module conftest.c
      if test -f libconftest.dylib; then
        lt_cv_apple_cc_single_mod=yes
        rm -rf libconftest.dylib*
      fi
      rm conftest.c
    fi
  fi])
AC_CACHE_CHECK((for -single_module linker flag),[lt_cv_apple_cc_single_mod],
  [lt_cv_apple_cc_single_mod=no
    if test -z "${LT_MULTI_MODULE}"; then
      # By default we will add the -single_module flag. You can override
      # by either setting the environment variable LT_MULTI_MODULE
      # non-empty at configure time, or by adding -multi_module to the
      # link flags.
      echo "int foo(void){return 1;}" > conftest.c
      $LTCC $LTCFLAGS $LDFLAGS -o libconftest.dylib
      -dynamiclib ${wl}-single_module conftest.c
      if test -f libconftest.dylib; then
        lt_cv_apple_cc_single_mod=yes
        rm -rf libconftest.dylib*
      fi
      rm conftest.c
    fi])
AC_CACHE_CHECK((for -exported_symbols_list linker flag),[lt_cv_ld exported_symbols_list],
  [lt_cv_ld exported_symbols_list=no
    save_LDFLAGS=$LDFLAGS
    echo ":main" > conftest.sym
    LDFLAGS="$LDFLAGS -Wl,-exported_symbols_list,conftest.sym"
    AC_LINK_IFELSE((AC_LANG_PROGRAM([],[])),
      [lt_cv_ld exported_symbols_list=yes],
      [lt_cv_ld exported_symbols_list=no])
    LDFLAGS="$save_LDFLAGS"
  ]
  case $host_os in
    rhapsody* | darwin1.[0123])
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#_LT_AC_SYS_LIBPATH_AIX
# ----------------------
# Links a minimal program and checks the executable
# for the system default hardcoded library path. In most cases,
# this is /usr/lib:/lib, but when the MPI compilers are used
# the location of the communication and MPI libs are included too.
# If we don't find anything, use the default library path according
# to the aix ld manual.
AC_DEFUN([_LT_AC_SYS_LIBPATH_AIX],
[AC_REQUIRE([LT_AC_PROG_SED])dnl
AC_LINK_IFELSE(AC_LANG_PROGRAM,
lt_aix_libpath_sed="
/^Import File Strings/,/^$/ {"/0/ {

<extracted code>
```
s/\0 */.,*/$\1/
p}
}aix_libpath='dump -H conftest$ac_exeext 2>/dev/null | $SED -n -e "$lt_aix_libpath_sed"
# Check for a 64-bit object if we didn't find anything.
if test -z "aix_libpath"; then
  aix_libpath='dump -HX64 conftest$ac_exeext 2>/dev/null | $SED -n -e "$lt_aix_libpath_sed"
fi]
if test -z "aix_libpath"; then aix_libpath="/usr/lib:/lib"; fi
])# _LT_AC_SYS_LIBPATH_AIX

# _LT_AC_SHELL_INIT(ARG)
# ----------------------
AC_DEFUN([_LT_AC_SHELL_INIT],
[ifdef([AC_DIVERSION_NOTICE],
  [AC_DIVERT_PUSH(AC_DIVERSION_NOTICE)],
  [AC_DIVERT_PUSH(NOTICE)])
$1
AC_DIVERT_POP
])# _LT_AC_SHELL_INIT

# _LT_AC_PROG_ECHO_BACKSLASH
# --------------------------
# Add some code to the start of the generated configure script which
# will find an echo command which doesn't interpret backslashes.
AC_DEFUN([_LT_AC_PROG_ECHO_BACKSLASH],
[_LT_AC_SHELL_INIT([
# Check that we are running under the correct shell.
SHELL=${CONFIG_SHELL-/bin/sh}

    case X$ECHO in
    X*--fallback-echo)
      # Remove one level of quotation (which was required for Make).
      ECHO='echo "$ECHO" | sed 's,\\\[$\]\\\[$\]0,\[$\]0','
      esac
      echo=${ECHO-echo}
    elif test "X'$echo 't') 2>/dev/null" = 'X't' ; then

      echo=${ECHO-echo}
    fi
    esac
    shift
  elif test "$X[$1]" = "X--fallback-echo"; then
    # Avoid inline document here, it may be left over
    ;
    elif test "X'$echo 't') 2>/dev/null" = 'X't' ; then
```

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# Yippee, $echo works!
else
    # Restart under the correct shell.
    exec SSHELL "[$]0" --no-reexec $[1+"[$]\”]
fi

if test "X[$]1" = X--fallback-echo; then
    # used as fallback echo
    shift
cat <EOF
[$]*
EOF
exit 0
fi

# The HP-UX ksh and POSIX shell print the target directory to stdout
# if CDPATH is set.
(unset CDPATH) >/dev/null 2>&1 && unset CDPATH
if test -z "$ECHO"; then
    if test "X${echo_test_string+set}" != Xset; then
        # find a string as large as possible, as long as the shell can cope with it
        for cmd in 'sed 50q "[$]\”' 'sed 20q "[$]\”' 'sed 10q "$[1+"[$]\”' 'sed 2q "$[1+"[$]\”' 'echo test'; do
            # expected sizes: less than 2Kb, 1Kb, 512 bytes, 16 bytes, ...
            if (echo_test_string='eval $cmd') 2>/dev/null &&
                echo_test_string='eval $cmd' &&
                (test "X$echo_test_string" = "X$echo_test_string") 2>/dev/null
            then
                break
            fi
        done
    fi
    done
fi

if test "X$(echo \t) 2>/dev/null" = 'X\t' &&
    echo_testing_string='$(echo "$echo_test_string") 2>/dev/null' &&
    test "X$echo_testing_string" = "X$echo_test_string"; then
    :
else
    # The Solaris, AIX, and Digital Unix default echo programs unquote
    # backslashes. This makes it impossible to quote backslashes using
    # echo "$something" | sed 's/\\/\\/g'
    #
    # So, first we look for a working echo in the user's PATH.

    IFS="$IFS"; IFS=$PATH_SEPARATOR
    for dir in $PATH /usr/ucb; do
        IFS="$lt_save_ifs"
if (test -f $dir/echo || test -f $dir/echo$ac_exeext) &&
  test "X'($dir/echo \t') 2>/dev/null' = 'X\t' &&
echo_testing_string='($dir/echo "$echo_test_string") 2>/dev/null' &&
test "X$echo_testing_string" = "X$echo_test_string"; then
echo="$dir/echo"
break
fi
done
IFS="$lt_save_ifs"

if test "X$echo" = Xecho; then
  # We didn't find a better echo, so look for alternatives.
  if test 'X'(print -r \t') 2>/dev/null" = 'X\t' &&
    echo_testing_string='(print -r "$echo_test_string") 2>/dev/null' &&
    test "X$echo_testing_string" = "X$echo_test_string"; then
    # This shell has a builtin print -r that does the trick.
    echo='print -r'
  elif (test -f /bin/ksh || test -f /bin/ksh$ac_exeext) &&
    test "X$CONFIG_SHELL" != X/bin/ksh; then
    # If we have ksh, try running configure again with it.
    ORIGINAL_CONFIG_SHELL=${CONFIG_SHELL-/bin/sh}
    export ORIGINAL_CONFIG_SHELL
    CONFIG_SHELL=/bin/ksh
    export CONFIG_SHELL
    exec $CONFIG_SHELL "[$"]0" --no-reexec $1+"[$"]@
  else
    # Try using printf.
    echo='printf %s
' if test "X($echo \t') 2>/dev/null" = 'X\t' &&
      echo_testing_string='($echo "$echo_test_string") 2>/dev/null' &&
      test "X$echo_testing_string" = "X$echo_test_string"; then
      # Cool, printf works
      : elif echo_testing_string='($ORIGINAL_CONFIG_SHELL "[$"]0" --fallback-echo \t') 2>/dev/null' &&
        test "X$echo_testing_string" = \t' &&
        echo_testing_string='($ORIGINAL_CONFIG_SHELL "[$"]0" --fallback-echo "$echo_test_string") 2>/dev/null' &&
        test "X$echo_testing_string" = "X$echo_test_string"; then
        CONFIG_SHELL=$ORIGINAL_CONFIG_SHELL
        export CONFIG_SHELL
        SHELL="$CONFIG_SHELL"
        export SHELL
        echo="$CONFIG_SHELL ["0" --fallback-echo"
        elif echo_testing_string='($CONFIG_SHELL ["0" --fallback-echo \t') 2>/dev/null' &&
          test "X$echo_testing_string" = \t' &&
          echo_testing_string='($CONFIG_SHELL ["0" --fallback-echo "$echo_test_string") 2>/dev/null' &&
          test "X$echo_testing_string" = "X$echo_test_string"; then
          echo="$CONFIG_SHELL ["0" --fallback-echo"
else
# maybe with a smaller string...
prev=:

for cmd in 'echo test' 'sed 2q "$0"' 'sed 10q "$0"' 'sed 20q "$0"' 'sed 50q "$0"'; do
  if (test "X$echo_test_string" = "X'eval $cmd'") 2>/dev/null
    break
  fi
  prev="$cmd"
done

if test "$prev" !='sed 50q "$0"'; then
  echo_test_string='eval $prev'
  export echo_test_string
  exec $[ORIGINAL_CONFIG_SHELL-$[CONFIG_SHELL-/bin/sh]] "$0" $[1+"$@"]
else
  # Oops. We lost completely, so just stick with echo.
  echo=echo
fi

if test "$ECHO" != "$CONFIG_SHELL $[0] --fallback-echo"; then
  ECHO="$CONFIG_SHELL $[0] --fallback-echo"
fi

AC_SUBST(ECHO)

# Copy echo and quote the copy suitably for passing to libtool from
# the Makefile, instead of quoting the original, which is used later.
ECHO=$echo
if test "X$ECHO" = "X$CONFIG_SHELL $[0] --fallback-echo"; then
  ECHO="$CONFIG_SHELL $[0] --fallback-echo"
fi

AC_SUBST(ECHO)

# _LT_AC_LOCK
# --------
AC_DEFUN(_LT_AC_LOCK),
[AC_ARG_ENABLE(libtool-lock),
  [AC_HELP_STRING(--disable-libtool-lock,]
    [avoid locking (might break parallel builds)])]
test "x$enable_libtool_lock" != xno && enable_libtool_lock=yes

# Some flags need to be propagated to the compiler or linker for good
# libtool support.
case $host in
ia64-*-hpux*)
# Find out which ABI we are using.
echo 'int i;' > conftest.$ac_ext
if AC_TRY_EVAL(ac_compile); then
case `/usr/bin/file conftest.$ac_objext' in
  *ELF-32*)
    HPUX_IA64_MODE="32"
    ;;
  *ELF-64*)
    HPUX_IA64_MODE="64"
    ;;
esac
fi
rm -rf conftest*
::
*.-*-irix6*)
# Find out which ABI we are using.
echo ['#]line __oline__ "configure" > conftest.$ac_ext
if AC_TRY_EVAL(ac_compile); then
  if test "$lt_cv_prog_gnu_ld" = yes; then
    case `/usr/bin/file conftest.$ac_objext' in
      *32-bit*)
        LD="${LD-ld} -melf32bsmip"
        ;;
      *N32*)
        LD="${LD-ld} -melf32bmipn32"
        ;;
      *64-bit*)
        LD="${LD-ld} -melf64bmpi64"
        ;;
esac
  else
    case `/usr/bin/file conftest.$ac_objext' in
      *32-bit*)
        LD="${LD-ld} -32"
        ;;
      *N32*)
        LD="${LD-ld} -n32"
        ;;
      *64-bit*)
        LD="${LD-ld} -64"
        ;;
esac
fi
rm -rf conftest*
# Find out which ABI we are using.
echo 'int i;' > conftest.$ac_ext
if AC_TRY_EVAL(ac_compile); then
case /usr/bin/file conftest.o' in
  *32-bit*)
case $host in
    x86_64-*kfreebsd*-gnu)
      LD="$[LD-ld] -m elf_i386_fbsd"
    ;;
    x86_64-*linux*)
      LD="$[LD-ld] -m elf_i386"
    ;;
    ppc64-*linux*[powerpc64-*linux*)
      LD="$[LD-ld] -m elf32ppclinux"
    ;;
    s390x-*linux*)
      LD="$[LD-ld] -m elf_s390"
    ;;
    sparc64-*linux*)
      LD="$[LD-ld] -m elf32_sparc"
    ;;
esac
  ;;
  *64-bit*)
case $host in
    x86_64-*kfreebsd*-gnu)
      LD="$[LD-ld] -m elf_x86_64_fbsd"
    ;;
    x86_64-*linux*)
      LD="$[LD-ld] -m elf_x86_64"
    ;;
    ppc64-*linux*[powerpc64-*linux*)
      LD="$[LD-ld] -m elf64ppc"
    ;;
    s390x-*linux*)
      LD="$[LD-ld] -m elf64_s390"
    ;;
    sparc64-*linux*)
      LD="$[LD-ld] -m elf64_sparc"
    ;;
esac
esac
fi
rm -rf conftest*
On SCO OpenServer 5, we need -belf to get full-featured binaries.

```
SAVE_CFLAGS="$CFLAGS"
CFLAGS="$CFLAGS -belf"
AC_CACHE_CHECK([(whether the C compiler needs -belf], lt_cv_cc_needs_belf,
[AC_LANG_PUSH(C)
AC_TRY_LINK([], [], [lt_cv_cc_needs_belf=yes], [lt_cv_cc_needs_belf=no])
AC_LANG_POP])
if test x"$lt_cv_cc_needs_belf" != x"yes"; then
  # this is probably gcc 2.8.0, egcs 1.0 or newer; no need for -belf
  CFLAGS="$SAVE_CFLAGS"
fi
::
sparc*-*solaris*)
  # Find out which ABI we are using.
  echo 'int i;' > conftest.$ac_ext
  if AC_TRY_EVAL(ac_compile); then
    case /usr/bin/file conftest.o in
      *64-bit*)
        case $lt_cv_prog_gnu_ld in
          yes*) LD="$LD-ld -m elf64_sparc" ::
        *)
          if $LD-ld -64 -o conftest2.o conftest.o >/dev/null 2>&1; then
            LD="$LD-ld -64"
          fi
        esac
      esac
      esac
  fi
::
esac
::
esac
fi
rm -rf conftest*
::

AC_PROVIDE_IFELSE([AC_LIBTOOL_WIN32_DLL],
[*-*cygwin* | *-*mingw* | *-*pw32*])
AC_CHECK_TOOL(DLLTOOL, dlltool, false)
AC_CHECK_TOOL(AS, as, false)
AC_CHECK_TOOL(OBJDUMP, objdump, false)
::
})
esac

need_locks="$enable_libtool_lock"

)]# _LT_AC_LOCK
# AC_LIBTOOL_COMPILER_OPTION(MESSAGE, VARIABLE-NAME, FLAGS,  
# [OUTPUT-FILE], [ACTION-SUCCESS], [ACTION-FAILURE])
# ----------------------------------------------------------------
# Check whether the given compiler option works
AC_DEFUN([AC_LIBTOOL_COMPILER_OPTION],
[AC_REQUIRE([LT_AC_PROG_SED])]
AC_CACHE_CHECK([${1}], [${2}].
[2=no
ifelse([${4}], [ac_outfile=conftest.$ac_objext], [ac_outfile=${4}])
echo "$lt_simple_compile_test_code" > conftest.$ac_ext
lt_compiler_flag="$3"
# Insert the option either (1) after the last *FLAGS variable, or
# (2) before a word containing "conftest.", or (3) at the end.
# Note that $ac_compile itself does not contain backslashes and begins
# with a dollar sign (not a hyphen), so the echo should work correctly.
# The option is referenced via a variable to avoid confusing sed.
lt_compile='echo "$ac_compile" | $SED \
-e 's:*FLAGS\{0,1\}:&$lt_compiler_flag :; t'; \
-e '^[^ ]*conftest\.: $lt_compiler_flag&; t'; \
-e 's:$: $lt_compiler_flag:''
(eval echo "\"$as_me:__oline__: $lt_compile"">&AS_MESSAGE_LOG_FD)
(eval "$lt_compile" 2>conftest.err)
ac_status=$?
cat conftest.err >&AS_MESSAGE_LOG_FD
echo "$as_me:__oline__: $? = $ac_status" >&AS_MESSAGE_LOG_FD
if (exit $ac_status) & & test -s "$ac_outfile"; then
# The compiler can only warn and ignore the option if not recognized
# So say no if there are warnings other than the usual output.
$echo "X$lt_compiler_boilerplate" "$sed -e /^$d/ >conftest.exp
$sed '/^$/d; /^ */+d' conftest.err >conftest.err2
if test ! -s conftest.err2 || diff conftest.exp conftest.err2 >/dev/null; then
  $2=yes
fi
fi
$rm conftest*
})

if test x"[S]S2" = xyes; then
  ifelse([${5}], . ; [${5}])
else
  ifelse([${6}], . ; [${6}])
fi
)# AC_LIBTOOL_COMPILER_OPTION

# AC_LIBTOOL_LINKER_OPTION(MESSAGE, VARIABLE-NAME, FLAGS,  
# [OUTPUT-FILE], [ACTION-SUCCESS], [ACTION-FAILURE])
# ----------------------------------------------------------------
# Check whether the given compiler option works
AC_DEFUN([AC_LIBTOOL_LINKER_OPTION],
[AC_REQUIRE([LT_AC_PROG_SED])]
AC_CACHE_CHECK([$1], [$2],
[$2=no
save_LDFLAGS="$LDFLAGS"
LDFLAGS="$LDFLAGS $3"
echo "$lt_simple_link_test_code" > conftest.$ac_ext
if (eval $ac_link 2>conftest.err) && test -s conftest$ac_exeext; then
  # The linker can only warn and ignore the option if not recognized
  # So say no if there are warnings
  if test -s conftest.err; then
    # Append any errors to the config.log.
    cat conftest.err 1>&AS_MESSAGE_LOG_FD
    $echo "X$_lt_linker_boilerplate" | $Xsed -e '/^$/d' > conftest.exp
    $SED '/^$/d; /^ */+d' conftest.err >conftest.er2
    if diff conftest.exp conftest.er2 >/dev/null; then
      $2=yes
    fi
  else
    $2=yes
  fi
fi
rm -r conftest*
LDFLAGS="$save_LDFLAGS"
]

if test x"[$$]$2" = xyes; then
  ifelse([$4], , :, [$4])
else
  ifelse([$5], , :, [$5])
fi
)# AC_LIBTOOL_LINKER_OPTION

# AC_LIBTOOL_SYS_MAX_CMD_LEN
# ---------------------------
AC_DEFUN([AC_LIBTOOL_SYS_MAX_CMD_LEN],
[# find the maximum length of command line arguments
AC_MSG_CHECKING([the maximum length of command line arguments])
AC_CACHE_VAL([lt_cv_sys_max_cmd_len], [dnl
i=0
teststring="ABCD"
case $build_os in
  msdos|djgpp*)
    # On DJGPP, this test can blow up pretty badly due to problems in libc
    # (any single argument exceeding 2000 bytes causes a buffer overrun
# during glob expansion). Even if it were fixed, the result of this
# check would be larger than it should be.
lCvSysMaxCmdLen=12288;  # 12K is about right
;;

gnu*)
  # Under GNU Hurd, this test is not required because there is
  # no limit to the length of command line arguments.
  # Libtool will interpret -1 as no limit whatsoever
  lt_cv_sys_max_cmd_len=-1;
  ;

cygwin* mingw*)
  # On Win9x/ME, this test blows up -- it succeeds, but takes
  # about 5 minutes as the teststring grows exponentially.
  # Worse, since 9x/ME are not pre-emptively multitasking,
  # you end up with a "frozen" computer, even though with patience
  # the test eventually succeeds (with a max line length of 256k).
  # Instead, let's just punt: use the minimum linelength reported by
  # all of the supported platforms: 8192 (on NT/2K/XP).
  lt_cv_sys_max_cmd_len=8192;
  ;;

amigaos*)
  # On AmigaOS with pdksh, this test takes hours, literally.
  # So we just punt and use a minimum line length of 8192.
  lt_cv_sys_max_cmd_len=8192;
  ;

netbsd* openbsd* darwin* dragonfly*)
  # This has been around since 386BSD, at least. Likely further.
  if test -x /sbin/sysctl; then
    lt_cv_sys_max_cmd_len="/sbin/sysctl -n kern.argmax"
  elif test -x /usr/sbin/sysctl; then
    lt_cv_sys_max_cmd_len="/usr/sbin/sysctl -n kern.argmax"
  else
    lt_cv_sys_max_cmd_len=65536# usable default for all BSDs
  fi
  # And add a safety zone
  lt_cv_sys_max_cmd_len=`expr $lt_cv_sys_max_cmd_len \* 4`
  lt_cv_sys_max_cmd_len=`expr $lt_cv_sys_max_cmd_len \* 3`
  ;

interix*)
  # We know the value 262144 and hardcode it with a safety zone (like BSD)
  lt_cv_sys_max_cmd_len=196608
  ;
Dr. Hans Ekkehard Plesser reports seeing a kernel panic running configure
due to this test when exec_disable_arg_limit is 1 on Tru64. It is not
nice to cause kernel panics so let’s avoid the loop below.

First set a reasonable default.

```bash
lt_cv_sys_max_cmd_len=16384
```

if test -x /sbin/sysconfig; then
case '/sbin/sysconfig -q proc exec_disable_arg_limit' in
 *1*) lt_cv_sys_max_cmd_len=1 ;;
esac
fi
```
sco3.2v5*)
lt_cv_sys_max_cmd_len=102400
```
sysv5* | sco5v6* | sysv4.2uw2*)
kargmax=`grep ARG_MAX /etc/conf/cf.d/stune 2>/dev/null`
if test "$kargmax"; then
  lt_cv_sys_max_cmd_len=`echo $kargmax | sed 's/.*\[[0-9 ]*\]/\1/'
else
  lt_cv_sys_max_cmd_len=32768
fi
```
*
lt_cv_sys_max_cmd_len=`(getconf ARG_MAX) 2> /dev/null`
if test "$lt_cv_sys_max_cmd_len"; then
  lt_cv_sys_max_cmd_len=`expr $lt_cv_sys_max_cmd_len * 4`
else
  SHELL=${SHELL-"/bin/sh"}
  while test "X""$SHELL [S]0 --fallback-echo "X$teststring" 2>/dev/null" = "XX$teststring") >/dev/null 2>&1 &&
    new_result=`expr "$teststring" : .*` 2>&1 &&
    lt_cv_sys_max_cmd_len=$new_result &&
test $i != 17 # 1/2 MB should be enough
do
  i=`expr $i + 1`
  teststring=$teststring$teststring
done
```
# Add a significant safety factor because C++ compilers can tack on massive
# amounts of additional arguments before passing them to the linker.
# It appears as though 1/2 is a usable value.
lt_cv_sys_max_cmd_len=`expr $lt_cv_sys_max_cmd_len * 2`
```
esac
```
if test -n $lt_cv_sys_max_cmd_len ; then
    AC_MSG_RESULT($lt_cv_sys_max_cmd_len)
else
    AC_MSG_RESULT(none)
fi
}# AC_LIBTOOL_SYS_MAX_CMD_LEN

# _LT_AC_CHECK_DLFCN
# ---------------
AC_DEFUN[_LT_AC_CHECK_DLFCN],
[AC_CHECK_HEADERS(dlfcn.h)dnl
}# _LT_AC_CHECK_DLFCN

# _LT_AC_TRY_DLOPEN_SELF (ACTION-IF-TRUE, ACTION-IF-TRUE-W-USCORE,
# ACTION-IF-FALSE, ACTION-IF-CROSS-COMPILING)
# -----------------------------------------------
AC_DEFUN[_LT_AC_TRY_DLOPEN_SELF],
[AC_REQUIRE(_LT_AC_CHECK_DLFCN)]dnl
if test "$cross_compiling" = yes; then :
    [$4]
else
    lt_dlunknown=0; lt_dlno_uscore=1; lt_dlneed_uscore=2
    lt_status=$lt_dlunknown
    cat > conftest.$ac_ext <<EOF
    [#line __oline__ "configure"
    #include "confdefs.h"
    #include "stdio.h"
    #ifdef HAVE_DLFCN_H
    #include <dlfcn.h>
    #endif
    #ifdef RTLD_GLOBAL
    # define LT_DLGLOBAL RTLD_GLOBAL
    #else
    # define LT_DLGLOBALRTLD_GLOBAL
    #endif
/* We may have to define LT_DLLAZY_OR_NOW in the command line if we
find out it does not work in some platform. */
#ifndef LT_DLLAZY_OR_NOW
#  ifdef RTLD_LAZY
#    define LT_DLLAZY_OR_NOW	RTLD_LAZY
#  else
#    ifdef DL_LAZY
#      define LT_DLLAZY_OR_NOW	DL_LAZY
#    else
#      ifdef RTLD_NOW
#        define LT_DLLAZY_OR_NOW	RTLD_NOW
#      else
#        ifdef DL_NOW
#          define LT_DLLAZY_OR_NOW	DL_NOW
#        else
#          define LT_DLLAZY_OR_NOW	0
#        endif
#      endif
#    endif
#  endif
#endif

#ifdef __cplusplus
extern "C" void exit (int);
#endif

void fnord() { int i=42;}

int main ()
{
  void *self = dlopen (0, LT_DLGLOBAL|LT_DLLAZY_OR_NOW);
  int status = $lt_dlunknown;

  if (self)
  {
    if (dlsym (self,"fnord")) status = $lt_dlno_uscore;
    else if (dlsym (self,"_fnord")) status = $lt_dlneed_uscore;
    /* dlclose (self); */
  }
  else
    puts (dlerror ());

  exit (status);
}

EOF

if AC_TRY_EVAL(ac_link) && test -s conftest${ac_exeext} 2>/dev/null; then
  ./conftest; exit;
  lt_status=$?
  case x$lt_status in
  x$lt_dlno_uscore) $1 ;;
  x$lt_dlneed_uscore) $2 ;;
  esac
fi

if AC_TRY_EVAL(ac_link) && test -s conftest${ac_exeext} 2>/dev/null; then
  ./conftest; exit;
  lt_status=$?
  case x$lt_status in
  x$lt_dlno_uscore) $1 ;;
  x$lt_dlneed_uscore) $2 ;;
  esac
fi
x$lt_dlunknown[x*] $3 ::
esac
else :
    # compilation failed
    $3
fi
fi
rm -fr conftest*
)
# _LT_AC_TRY_DLOPEN_SELF

# AC_LIBTOOL_DLOPEN_SELF
# ----------------------
AC_DEFUN([AC_LIBTOOL_DLOPEN_SELF],
[AC_REQUIRE([_LT_AC_CHECK_DLFCN])]
dnl
if test "x$enable_dlopen" != xyes; then
    enable_dlopen=unknown
    enable_dlopen_self=unknown
    enable_dlopen_self_static=unknown
else
    lt_cv_dlopen=no
    lt_cv_dlopen_libs=

case $host_os in
    beos*)
        lt_cv_dlopen="load_add_on"
        lt_cv_dlopen_libs=
        lt_cv_dlopen_self=yes
        ;;
    mingw* | pw32*)
        lt_cv_dlopen="LoadLibrary"
        lt_cv_dlopen_libs=
        ;;
    cygwin*)
        lt_cv_dlopen="dlopen"
        lt_cv_dlopen_libs=
        ;;
    darwin*)
        # if libdl is installed we need to link against it
        AC_CHECK_LIB([dl], [dlopen],
        [lt_cv_dlopen="dlopen" lt_cv_dlopen_libs="-ldl"],[
        lt_cv_dlopen="dyld"
        lt_cv_dlopen_libs=
        lt_cv_dlopen_self=yes
        ])

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if test "x$lt_cv_dlopen" != xno; then
    enable_dlopen=yes
else
    enable_dlopen=no
fi

case $lt_cv_dlopen in
dlopen)
    save_CPPFLAGS="$CPPFLAGS"
test "x$ac_cv_header_dlfcn_h" = xyes && CPPFLAGS="$CPPFLAGS -DHAVE_DLFCN_H"

    save_LDFLAGS="$LDFLAGS"
    wl=$lt_prog_compiler_wl eval LDFLAGS="\"$LDFLAGS $export_dynamic_flag_spec\"

    save_LIBS="$LIBS"
    LIBS="$lt_cv_dlopen_libs $LIBS"

    AC_CACHE_CHECK([whether a program can dlopen itself],
    lt_cv_dlopen_self, [dnl
    LT_AC_TRY_DLOPEN_SELF(     
        lt_cv_dlopen_self=yes, lt_cv_dlopen_self=yes,     
        lt_cv_dlopen_self=no, lt_cv_dlopen_self=cross)     
    )]

        if test "x$lt_cv_dlopen_self" = xyes; then

    esac
wl=$lt_prog_compiler_wl eval LDFLAGS="\"$LDFLAGS $lt_prog_compiler_static\"
AC_CACHE_CHECK([whether a statically linked program can dlopen itself],
lt_cv_dlopen_self_static, [dnl
_LT AC_TRY_DLOPEN_SELF(
lt_cv_dlopen_self_static=yes, lt_cv_dlopen_self_static=yes,
lt_cv_dlopen_self_static=no, lt_cv_dlopen_self_static=cross)
)]
fi
CPPFLAGS="$save_CPPFLAGS"
LDFLAGS="$save_LDFLAGS"
LIBS="$save_LIBS"
;;
esac
case $lt_cv_dlopen_self in
yes|no) enable_dlopen_self=$lt_cv_dlopen_self ;;
*) enable_dlopen_self=unknown ;;
esac
case $lt_cv_dlopen_self_static in
yes|no) enable_dlopen_self_static=$lt_cv_dlopen_self_static ;;
*) enable_dlopen_self_static=unknown ;;
esac
fi
}# AC_LIBTOOL_DLOPEN_SELF

# AC_LIBTOOL_PROG_CC_C_O([TAGNAME])
#--------------------------------------
# Check to see if options -c and -o are simultaneously supported by compiler
AC_DEFUN([AC_LIBTOOL_PROG_CC_C_O],
[AC_REQUIRE([LT AC_PROG_SED])dnl
AC_REQUIRE([LT AC_SYS_COMPILER])dnl
AC_CACHE_CHECK([if $compiler supports -c -o file.$ac_objext],
[_LT AC_TAGVAR(lt_cv_prog_compiler_c_o, $1)],
[_LT AC_TAGVAR(lt_cv_prog_compiler_c_o, $1)=no]
$rm -r conftest 2>/dev/null
mkdir conftest
cd conftest
mkdir out
echo "$lt_simple_compile_test_code" > conftest.$ac_ext
lt_compiler_flag="-o out/conftest2.$ac_objext"
# Insert the option either (1) after the last *FLAGS variable, or
# (2) before a word containing "conftest.", or (3) at the end.
# Note that $ac_compile itself does not contain backslashes and begins
# with a dollar sign (not a hyphen), so the echo should work correctly.
lt_compile='echo "$ac_compile" | $SED \
-e 's:\(FLAGS\)(.\(0,1\)) \&$lt_compiler_flag \; t\' \
-e 's:\([!^]\)\*confest:\ \$lt_compiler_flag\;&\; t\' \
-e 's:\$ \$lt_compiler_flag:"(eval echo "\"$as_me:__oline__: $lt_compile\"" >&AS_MESSAGE_LOG_FD) (eval "$lt_compile" 2>&out/confest.err) ac_status=$? cat out/confest.err >&AS_MESSAGE_LOG_FD echo "$as_me:__oline__: $? = $ac_status" >&AS_MESSAGE_LOG_FD if (exit $ac_status) && test -s out/confest2.$ac_objext then # The compiler can only warn and ignore the option if not recognized # So say no if there are warnings $echo "X$lt_compiler_boilerplate" | $Xsed -e '/^$/d' > out/confest.exp $SED '/^$/d; /^ */d' out/confest.err >out/confest.err2 if test ! -s out/confest.err2 || diff out/confest.exp out/confest.err2 >/dev/null; then _LT_AC_TAGVAR(lt_cv_prog_compiler_c_o, $1)=yes fi fi chmod u+w . 2>&AS_MESSAGE_LOG_FD $rm confest* # SGI C++ compiler will create directory out/ii_files/ for # template instantiation test -d out/ii_files && $rm out/ii_files/* && rmdir out/ii_files $rm out/* && rmdir out cd .. rmdir confest $rm confest* )
})# AC_LIBTOOL_PROG_CC_C_O

# AC_LIBTOOL_SYS_HARD_LINK_LOCKS([TAGNAME]) #--------------------------------------------- # Check to see if we can do hard links to lock some files if needed AC_DEFUN([AC_LIBTOOL_SYS_HARD_LINK_LOCKS], [AC_REQUIRE([_LT_AC_LOCK])dnl hard_links="nottested" if test "$LT_AC_TAGVAR(lt_cv_prog_compiler_c_o, $1)" = no &&& test "$need_locks" != no; then # do not overwrite the value of need_locks provided by the user AC_MSG_CHECKING([if we can lock with hard links]) hard_links=yes $rm confest* ln confest.a confest.b 2>/dev/null &&& hard_links=no touch confest.a In confest.a confest.b 2>/dev/null &&& hard_links=no ln confest.a confest.b 2>&5 || hard_links=no ln confest.a confest.b 2>/dev/null &&& hard_links=no
AC_MSG_RESULT([Shard_links])
if test "Shard_links" = no; then
    AC_MSG_WARN(["$SCC' does not support '-'o', so 'make -j' may be unsafe])
    need_locks=warn
fi
else
    need_locks=no
fi
}# AC_LIBTOOL_SYS_HARD_LINK_LOCKS

# AC_LIBTOOL_OBJDIR
#
#-----------------------
AC_DEFUN([AC_LIBTOOL_OBJDIR],
[AC_CACHE_CHECK([for objdir], [lt_cv_objdir],
[rm -f .libs 2>/dev/null
mkdir .libs 2>/dev/null
if test -d .libs; then
    lt_cv_objdir=.libs
else
    # MS-DOS does not allow filenames that begin with a dot.
    lt_cv_objdir=_libs
fi
rmdir .libs 2>/dev/null
]# AC_LIBTOOL_OBJDIR
)

# AC_LIBTOOL_PROG_LD_HARDCODE_LIBPATH([TAGNAME])
#
#-----------------------------------------------
# Check hardcoding attributes.
AC_DEFUN([AC_LIBTOOL_PROG_LD_HARDCODE_LIBPATH],
[AC_MSG_CHECKING([how to hardcode library paths into programs])
_LT_AC_TAGVAR(hardcode_action, $1)=
if test -n "$_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)" ||
test -n "$_LT_AC_TAGVAR(runpath_var, $1)" ||
test "X$_LT_AC_TAGVAR(hardcode_automatic, $1)" = "Xyes" ; then
# We can hardcode non-existant directories.
if test "$_LT_AC_TAGVAR(hardcode_direct, $1)" != no &&
    # If the only mechanism to avoid hardcoding is shlibpath_var, we
    # have to relink, otherwise we might link with an installed library
    # when we should be linking with a yet-to-be-installed one
    ## test "$_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)" != no &&
    test "$LT_AC_TAGVAR(hardcode_minus_L, $1)" != no; then
    # Linking always hardcodes the temporary library directory.
    _LT_AC_TAGVAR(hardcode_action, $1)=relink
else

# We can link without hardcoding, and we can hardcode nonexisting dirs.
_LT_AC_TAGVAR(hardcode_action, $1)=immediate
fi
else
# We cannot hardcode anything, or else we can only hardcode existing
# directories.
_LT_AC_TAGVAR(hardcode_action, $1)=unsupported
fi
AC_MSG_RESULT([$_LT_AC_TAGVAR(hardcode_action, $1)])

if test "$_LT_AC_TAGVAR(hardcode_action, $1)" = relink; then
# Fast installation is not supported
enable_fast_install=no
elif test "$shlibpath_overrides_runpath" = yes ||
test "$enable_shared" = no; then
# Fast installation is not necessary
enable_fast_install=needless
fi
)

# AC_LIBTOOL_SYS_LIB_STRIP
# ------------------------
AC_DEFUN([AC_LIBTOOL_SYS_LIB_STRIP],
[striplib=]
[old_striplib=]
AC_MSG_CHECKING([whether stripping libraries is possible])
if test -n "$STRIP" && $STRIP -V 2>&1 | grep "GNU strip" >/dev/null; then
test -z "$old_striplib" && old_striplib="$STRIP --strip-debug"
test -z "$striplib" && striplib="$STRIP --strip-unneeded"
AC_MSG_RESULT([yes])
else
# FIXME - insert some real tests, host_os isn't really good enough
case $host_os in
darwin*)
    if test -n "$STRIP" ; then
        striplib="$STRIP -x"
        old_striplib="$STRIP -S"
        AC_MSG_RESULT([yes])
    else
        AC_MSG_RESULT([no])
    fi
    ::
    *)
    AC_MSG_RESULT([no])
    ::
esac
fi
AC_DEFUN([AC_LIBTOOL_SYS_DYNAMIC_LINKER],
[AC_REQUIRE([LT_AC_PROG_SED])]
AC_MSG_CHECKING([dynamic linker characteristics])
library_names_spec=
libname_spec='lib$name'
soname_spec=
shrext_cmds=".so"
postinstall_cmds=
potuninstall_cmds=
finish_cmds=
finish_eval=
shlibpath_var=
shlibpath_overrides_runpath=unknown
version_type=none
dynamic_linker="$host_os ld.so"
sys_lib_dlsearch_path_spec="/lib /usr/lib"
m4_if($1,[],
if test "$GCC" = yes; then
case $host_os in
darwin*) lt_awk_arg="/^libraries:/,/LR/" ;;
*) lt_awk_arg="/^libraries:/" ;;
esac
lt_search_path_spec="$CC -print-search-dirs | awk $lt_awk_arg | $SED -e "s/^libraries://" -e "s,=/,/,g""
if echo "$lt_search_path_spec" | grep ';'; >/dev/null; then
# if the path contains ";" then we assume it to be the separator
# otherwise default to the standard path separator (i.e. ";") - it is
# assumed that no part of a normal pathname contains ";" but that should
# okay in the real world where ";" in dirpaths is itself problematic.
lt_search_path_spec='echo "$lt_search_path_spec" | $SED -e 's/;/ /g''
else
lt_search_path_spec='echo "$lt_search_path_spec" | $SED -e "s/$PATH_SEPARATOR/ /g"'
fi
# Ok, now we have the path, separated by spaces, we can step through it
# and add multilib dir if necessary.
l_t_tmp_l_t_search_path_spec=
l_t_multi_os_dir="$CC SCPPFLAGS $CFLAGS SDLFLAGS -print-multi-os-directory 2>/dev/null"
for $t_sys_path in $l_t_search_path_spec; do
if test -d "$t_sys_path/$t_multi_os_dir" ; then
    lt_tmp_l_t_search_path_spec="$lt_tmp_l_t_search_path_spec $t_sys_path/$t_multi_os_dir"
else
test -d "$t_sys_path" && 
lt_tmp_l_t_search_path_spec="$lt_tmp_l_t_search_path_spec $t_sys_path"
lt_search_path_spec='echo $lt_tmp_lt_search_path_spec | awk '
BEGIN {RS=" "; FS="/|\n";}
lt_foo="";
lt_count=0;
for (lt_i = NF; lt_i > 0; lt_i--) {
    if ($lt_i != "" && $lt_i != ".") {
        if ($lt_i == "..") {
            lt_count++;
        } else {
            if (lt_count == 0) {
                lt_foo="/" $lt_i lt_foo;
            } else {
                lt_count--;
            }
        }
    }
}
if (lt_foo != "") { lt_freq[[lt_foo]]++; }
if (lt_freq[[lt_foo]] == 1) { print lt_foo; }
}'

sys_lib_search_path_spec='echo $lt_search_path_spec'
else
    sys_lib_search_path_spec="/lib /usr/lib /usr/local/lib"
fi

need_lib_prefix=unknown
hardcode_into_libs=no

# when you set need_version to no, make sure it does not cause -set_version
# flags to be left without arguments
need_version=unknown

case $host_os in
    aix3*)
        version_type=linux
        library_names_spec='${libname}${release}${shared_ext}$versuffix $libname.a'
        shlibpath_var=LIBPATH
        soname_spec='${libname}${release}${shared_ext}$major'
    ;;

    aix[[4-9]]*)
        version_type=linux
        need_lib_prefix=no
        need_version=no
        hardcode_into_libs=yes
if test "$host_cpu" = ia64; then
    # AIX 5 supports IA64
    library_names_spec='${libname}${release}$[shared_ext]$major $[libname]{release}$[shared_ext]$versuffix
$[libname]$[shared_ext]'
    shlibpath_var=LD_LIBRARY_PATH
    else
        # With GCC up to 2.95.x, collect2 would create an import file
        # for dependence libraries. The import file would start with
        # the line "#! ". This would cause the generated library to
        # depend on ":", always an invalid library. This was fixed in
        # development snapshots of GCC prior to 3.0.
        case $host_os in
            aix4 | aix4.[01] | aix4.[01].*)
                if { echo '#if __GNUC__ > 2 || (__GNUC__ == 2 && __GNUC_MINOR__ >= 97)'
                echo 'yes'
                echo '#endif'; } | ${CC} -E - | grep yes > /dev/null; then
                :
            else
                can_build_shared=no
            fi
        esac
        # AIX (on Power*) has no versioning support, so currently we can not hardcode correct
        # version into executable. Probably we can add versioning support to
        # collect2, so additional links can be useful in future.
        if test "$[aix_use_runtimelinking]" = yes; then
            # If using run time linking (on AIX 4.2 or later) use lib<name>.so
            # instead of lib<name>.a to let people know that these are not
            # typical AIX shared libraries.
            library_names_spec='$[libname]${release}$[shared_ext]$versuffix $[libname]${release}${shared_ext}$major
$[libname]${shared_ext}'
        else
            # We preserve .a as extension for shared libraries through AIX4.2
            # and later when we are not doing run time linking.
            library_names_spec='$[libname]${release}.a $[libname].a'
            soname_spec='$[libname]${release}$[shared_ext]$major'
        fi
        shlibpath_var=LIBPATH
fi

amigaos*)
library_names_spec='$libname.ixo library $libname.a'
# Create ${libname}_ixo library.a entries in /sys/lib.
finish_eval='for lib in /$[libdir]/*.ixo library 2>/dev/null'; do libname="$echo "$X$lib" | SXsed -e
    "s%\%A\%/%[!/]*\%/ixo library%A1%\%"; test $rm /sys/libs/$[libname]_ixo library.a; $show "cd /sys/libs/&& $LN_S
    $lib $[libname]_ixo library.a"; cd /sys/libs/&& $LN_S $lib $[libname]_ixo library.a || exit 1; done'
    ;;
"
beos*)
library_names_spec='$libname$[shared_ext]'  
dynamic_linker="$host_os ld.so"
shlibpath_var=LIBRARY_PATH
;

bsd([45])*  
version_type=linux
need_version=no
library_names_spec='$libname$[release]$[shared_ext]$versuffix $libname$[release]$[shared_ext]$major $libname$[shared_ext]'  
soname_spec='$libname$[release]$[shared_ext]$major'
finish_cmds='PATH="$PATH:/sbin" ldconfig $libdir'
shlibpath_var=LD_LIBRARY_PATH
sys_lib_dlssearch_path_spec="/shlib /usr/lib /usr/local/lib"
# the default ld.so.conf also contains /usr/contrib/lib and
# /usr/X11R6/lib (/usr/X11 is a link to /usr/X11R6), but let us allow
# libtool to hard-code these into programs
;

cygwin* | mingw* | pw32*)
version_type=windows
shrext_cmds=".dll"
need_version=no
need_lib_prefix=no
case $GCC,$host_os in
  yes,cygwin* | yes.mingw* | yes.pw32*)
library_names_spec='$libname.dll.a'
  # DLL is installed to $(libdir)/../bin by postinstall_cmds
postinstall_cmds='base_file='basename \${file}'~
dlpath='SHELL 2>&1 -c '\'. $dir/''\${base_file}'\''i;echo 'dldir'='
test -d \$dldir | mkdir -p \$dldir~
$install_prog $dir/$dlname \$dldir/$dlname~
chmod a+x \$dldir/$dlname'
postuninstall_cmds='dldll='SHELL 2>&1 -c '\'. $file; echo 'dlname'='
dlpath='dir'/\$dldll~
$rm \$dlpath'
shlibpath_overrides_runpath=yes

  case $host_os in
    cygwin*)
      # Cygwin DLLs use 'cyg' prefix rather than 'lib'
      soname_spec='echo 'libname' | sed -e 's/^lib/\''cyg''/echo 'release' | SED -e 's/\[[^\[]/\''/g'"$versuffix'\''[$shared_ext]'"}

  case $host_os in
    $host_os*)
      # For some reason all other OSes also need this
      soname_spec='echo 'libname' | sed -e 's/^lib/\''cyg''/echo 'release' | $SED -e 's/\[[^\[]/\''/g'"$versuffix'\''[$shared_ext]'"}
sys_lib_search_path_spec="/usr/lib /lib/w32api /lib /usr/local/lib"
::

mingw*)
  # MinGW DLLs use traditional 'lib' prefix
  soname_spec="\$libname\$release | $SED -e 's/\[[.]/-g\$\{suffix\}\{shared_ext\}\'
  sys_lib_search_path_spec="\$CC -print-search-dirs | grep "libraries:" | $SED -e "s/\%/libraries://" -e "s,=/,/,g""
  if echo "$sys_lib_search_path_spec" | [grep ';[^c-zC-Z]:/' >/dev/null]; then
    # It is most probably a Windows format PATH printed by
    # mingw gcc, but we are running on Cygwin. Gcc prints its search
    # path with ; separators, and with drive letters. We can handle the
    # drive letters (cygwin fileutils understands them), so leave them,
    # especially as we might pass files found there to a mingw objdump,
    # which wouldn't understand a cygwinified path. Ahh.
    sys_lib_search_path_spec='echo "$sys_lib_search_path_spec" | $SED -e 's;/ /;g''
  else
    sys_lib_search_path_spec='echo "$sys_lib_search_path_spec" | $SED -e "s/\$PATH_SEPARATOR/ /g"''
  fi
::
pw32*)
  # pw32 DLLs use 'pw' prefix rather than 'lib'
  library_names_spec='echo \$libname | sed -e 's/\%/pw/"'echo \$release | $SED -e 's/\[[.]/-g"'$versuffix'$shared_ext''
  esac
::
*
library_names_spec="\$libname\$release\$versuffix$shared_ext $libname$release$major$shared_ext $libname$shared_ext''
soname_spec="\$libname\$release\$major$shared_ext''
shlibpath_overrides_runpath=yes
shlibpath_var= DYLD_LIBRARY_PATH
shrext_cmds="test \$module = .yes && echo .so || echo .dylib"
m4_if($1, [], [
  sys_lib_search_path_spec="\$sys_lib_search_path_spec /usr/local/lib")

# FIXME: first we should search . and the directory the executable is in
shlibpath_var=PATH
::

darwin* | rhapsody*)
dynamic_linker="$host_os dyld"
version_type=darwin
need_lib_prefix=no
need_version=no
library_names_spec="\$libname\$release\$versuffix\$shared_ext \$libname\$release\$major\$shared_ext \$libname\$shared_ext''
soname_spec="\$libname\$release\$major\$shared_ext''
shlibpath_overrides_runpath=yes
shlibpath_var= DYLD_LIBRARY_PATH
shrext_cmds="test .module = .yes & & echo .so || echo .dylib"
m4_if($1, [], [
  sys_lib_search_path_spec="\$sys_lib_search_path_spec /usr/local/lib")

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sys_lib_dlsearch_path_spec='/usr/local/lib /lib /usr/lib'
::

dgux*)
  version_type=linux
  need_lib_prefix=no
  need_version=no
  library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major $libname$shared_ext'
  soname_spec='${libname}${release}${shared_ext}$major'
  shlibpath_var=LD_LIBRARY_PATH
::

freebsd1*)
  dynamic_linker=no
::

freebsd* | dragonfly*)
  # DragonFly does not have aout. When/if they implement a new
  # versioning mechanism, adjust this.
  if test -x /usr/bin/objformat; then
    objformat='/usr/bin/objformat'
  else
    case $host_os in
      freebsd[[123]*) objformat=aout ::
      *) objformat=elf ::
        esac
    fi
  version_type=freebsd-$objformat
  case $version_type in
    freebsd-elf*)
      library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major $libname$shared_ext'
      need_version=no
      need_lib_prefix=no
      ::
      freebsd-*)
        library_names_spec='${libname}${release}${shared_ext}$versuffix $libname${shared_ext}$versuffix'
        need_version=yes
        ::
        esac
    shlibpath_var=LD_LIBRARY_PATH
  case $host_os in
    freebsd2*)
      shlibpath_overrides_runpath=yes
      ::
      freebsd3.[[01]]* | freebsdelf3.[[01]]*
        shlibpath_overrides_runpath=yes
hardcode_into_libs=yes

;;
freebsd3.[2-9]* | freebsdelf3.[2-9]* | \\
freebsd4.[0-5] | freebsd4.[0-5] | freebsd4.1.1 | freebsdelf4.1.1
  shlibpath_overrides_runpath=no
  hardcode_into_libs=yes
  ;;
*) # from 4.6 on, and DragonFly
  shlibpath_overrides_runpath=yes
  hardcode_into_libs=yes
  ;;
esac

 GNU*)
  version_type=linux
  need_lib_prefix=no
  need_version=no
  library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}${major}
  $libname${shared_ext}'
  soname_spec='${libname}${release}${shared_ext}$major'
  shlibpath_var=LD_LIBRARY_PATH
  hardcode_into_libs=yes
  ;;

HPUX9* | HPUX10* | HPUX11*)
# Give a soname corresponding to the major version so that dld.sl refuses to
# link against other versions.
  version_type=sunos
  need_lib_prefix=no
  need_version=no
  case $host_cpu in
    ia64*)
      shrext_cmds='.so'
      hardcode_into_libs=yes
      dynamic_linker="$host_os dld.so"
      shlibpath_var=LD_LIBRARY_PATH
      shlibpath_overrides_runpath=yes # Unless +noenvvar is specified.
      library_names_spec='${libname}${release}$shared_ext$versuffix ${libname}${release}$shared_ext$major
                      $libname$shared_ext'
      soname_spec='${libname}${release}$shared_ext$major'
      if test "X$HPUX_IA64_MODE" = X32; then
        sys_lib_search_path_spec="/usr/lib/hpux32 /usr/local/lib/hpux32 /usr/local/lib"
      else
        sys_lib_search_path_spec="/usr/lib/hpux64 /usr/local/lib/hpux64"
      fi
      sys_lib_dlssearch_path_spec="$sys_lib_search_path_spec"
      ;;
hppa*64*)
  shrext_cmds='.sl'
  hardcode_into_libs=yes
  dynamic_linker="$host_os dld.sl"
  shlibpath_var=LD_LIBRARY_PATH # How should we handle SHLIB_PATH
  shlibpath_overrides_runpath=yes # Unless +noenvvar is specified.
  library_names_spec='{$libname}${release}${shared_ext}$versuffix $libname$release$shared_ext$major
  $libname$shared_ext'
  soname_spec='{$libname}${release}${shared_ext}$major'
  sys_lib_search_path_spec="/usr/lib/pa20_64 /usr/ccs/lib/pa20_64"
  sys_lib_dlssearch_path_spec=$sys_lib_search_path_spec
  ;;
  *)
  shrext_cmds='.sl'
  dynamic_linker="$host_os dld.sl"
  shlibpath_var=SHLIB_PATH
  shlibpath_overrides_runpath=no # +s is required to enable SHLIB_PATH
  library_names_spec='{$libname}${release}${shared_ext}$versuffix $libname$release$shared_ext$major
  $libname$shared_ext'
  soname_spec='{$libname}${release}${shared_ext}$major'
  ;;
esac

# HP-UX runs *really* slowly unless shared libraries are mode 555.
postinstall_cmds='chmod 555 $lib'
;;

interix[[3-9]
version_type=linux
need_lib_prefix=no
need_version=no
library_names_spec='{$libname}${release}${shared_ext}$versuffix $libname$release$shared_ext$major
$libname$shared_ext'
soname_spec='{$libname}${release}${shared_ext}$major'
dynamic_linker='Interix 3.x ld.so.1 (PE, like ELF)'
shlibpath_var=LD_LIBRARY_PATH
shlibpath_overrides_runpath=no
hardcode_into_libs=yes
;;

irix5* | irix6* | nonstopux*)
case $host_os in
  nonstopux*) version_type=nonstopux ;;
  *)
    if test "$lt_cv_prog_gnu_ld" = yes; then
      version_type=linux
    else
      version_type=irix
    fi ;;
esac
need_lib_prefix=no
need_version=no
soname_spec="${libname}${release}${shared_ext}$major"
library_names_spec="${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major ${libname}${release}${shared_ext} ${libname}${shared_ext}'
case $host_os in
  irix5* | nonstopux*)
    libsuffix= shlibsuffix=
      ;;
  *)
    case $LD in
      *
        libsuffix= libmagic=32-bit;;
      *-32|*-32 |*-melf32bsmip*|*-melf32bsmip *)
        libsuffix=32 shlibsuffix=N32 libmagic=32-bit;;
      *-n32|*-n32 |*-melf32bmn32*|*-melf32bmn32 )
        libsuffix=32 shlibsuffix=32 libmagic=N32;;
      *-64|*-64 |*-melf64bmi|*-melf64bmi )
        libsuffix=64 shlibsuffix=64 libmagic=64-bit;;
      *) libsuffix= shlibsuffix= libmagic=never-match;;
esac
  ;;
esac
shlibpath_var=LD_LIBRARY$[shlibsuff]_PATH
shlibpath_overrides_runpath=no
sys_lib_dlsearch_path_spec="/usr/lib$[libsuffix] /lib$[libsuffix]"
hardcode_into_libs=yes

# No shared lib support for Linux oldld, aout, or coff.
linux*oldld* | linux*aout* | linux*coff*)
dynamic_linker=no
  ;;

# This must be Linux ELF.
linux* | k*bsd*-gnu)
version_type=linux
need_lib_prefix=no
need_version=no
library_names_spec="${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major ${libname}${shared_ext}'
soname_spec="${libname}${release}${shared_ext}$major"
finish_cmds='PATH="$PATH:/sbin" ldconfig -n $libdir'
shlibpath_var=LD_LIBRARY_PATH
shlibpath_overrides_runpath=no
# This implies no fast_install, which is unacceptable.
# Some rework will be needed to allow for fast_install
# before this can be enabled.
hardcode_into_libs=yes

# Append ld.so.conf contents to the search path
if test -f /etc/ld.so.conf; then
    lt_ld_extra="awk '/^include / { system(sprintf("cd /etc; cat %s 2>/dev/null", \[$]2)); skip = 1; } { if (!skip) print \[$]0; skip = 0; }' < /etc/ld.so.conf | $SED -e 's/#.*//;/^\[ \t\]*/d;s/\[\t\]/ /g;s/[^=]*$//;s/[^= ] */ /g;/S/d' | \tr 'n' \\
    sys_lib_dlsearch_path_spec="/lib /usr/lib $lt_ld_extra"
fi

# We used to test for /lib/ld.so.1 and disable shared libraries on
# powerpc, because MkLinux only supported shared libraries with the
# GNU dynamic linker. Since this was broken with cross compilers,
# most powerpc-linux boxes support dynamic linking these days and
# people can always --disable-shared, the test was removed, and we
# assume the GNU/Linux dynamic linker is in use.
dynamic_linker='GNU/Linux ld.so'

netbsd*)
    version_type=sunos
    need_lib_prefix=no
    need_version=no
    if echo __ELF__ | $CC -E - | grep __ELF__ >/dev/null; then
        library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${shared_ext}$versuffix'
        finish_cmds='PATH="$PATH:/sbin" ldconfig -m $libdir'
        dynamic_linker='NetBSD (a.out) ld.so'
    else
        library_names_spec='${libname}${release}${shared_ext}$versuffix $libname${shared_ext}$major ${libname}${shared_ext}'
        soname_spec='${libname}${release}${shared_ext}$major'
        dynamic_linker='NetBSD ld.elf.so'
    fi
    shlibpath_var=LD_LIBRARY_PATH
    shlibpath_overrides_runpath=yes
    hardcode_into_libs=yes
    ;;

newsos6)
    version_type=linux
    library_names_spec='${libname}${release}${shared_ext}$versuffix $libname${release}${shared_ext}$major $libname${shared_ext}'
    soname_spec='${libname}${release}${shared_ext}$major'
    dynamic_linker='NetBSD ld.elf.so'
    fi
    shlibpath_var=LD_LIBRARY_PATH
    shlibpath_overrides_runpath=yes
    hardcode_into_libs=yes
    ;;

nto-qnx*)
    version_type=linux
need_lib_prefix=no
need_version=no
library_names_spec=${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major ${libname}${shared_ext}'
soname_spec=${libname}${release}${shared_ext}$major'
shlibpath_var=LD_LIBRARY_PATH
shlibpath_overrides_runpath=yes
;
;
openbsd*)
  version_type=sunos
  sys_lib_dlsearch_path_spec="/usr/lib"
  need_lib_prefix=no
  # Some older versions of OpenBSD (3.3 at least) *do* need versioned libs.
  case $host_os in
    openbsd3.3 | openbsd3.3.*) need_version=yes ;;
    *) need_version=no ;;
  esac
  library_names_spec=${libname}${release}${shared_ext}$versuffix ${libname}${shared_ext}$versuffix'
  finish_cmds='PATH="$PATH:/sbin" ldconfig -m $libdir'
  shlibpath_var=LD_LIBRARY_PATH
  if test -z "`echo "ELF" | $CC -E - | grep "ELF""`" || test "$host_os-$host_cpu" = "openbsd2.8-powerpc"; then
    case $host_os in
      openbsd2.[89].*) shlibpath_overrides_runpath=no ;;
      *) shlibpath_overrides_runpath=yes ;;
    esac
  else
    shlibpath_overrides_runpath=yes
  fi
  os2*)
    libname_spec='$name'
    shrext_cmds=".dll"
    need_lib_prefix=no
    library_names_spec=${libname}${shared_ext} ${libname}.a'
    dynamic_linker='OS/2 ld.exe'
    shlibpath_var=LIBPATH
    osf3* | osf4* | osf5*)
      version_type=ofi
      need_lib_prefix=no
      need_version=no
      osf3* | osf4* | osf5*
soname_spec='${libname}$release$shared_ext$major'
library_names_spec='${libname}$release$shared_ext$versuffix ${libname}$release$shared_ext$major $libname$shared_ext'
shlibpath_var=LD_LIBRARY_PATH
sys_lib_search_path_spec="/usr/shlib /usr/ccs/lib /usr/lib/complib/cc /usr/lib /usr/local/lib /var/shlib"
sys_lib_dlssearch_path_spec="$sys_lib_search_path_spec"
;

rdoes*)
dynamic_linker=no
;;
solaris*)
version_type=linux
need_lib_prefix=no
need_version=no
library_names_spec='${libname}$release$shared_ext$versuffix ${libname}$shared_ext$major
soname_spec='${libname}$release$shared_ext$major'
shlibpath_var=LD_LIBRARY_PATH
shlibpath_overrides_runpath=yes
hardcode_into_libs=yes
# ldd complains unless libraries are executable
postinstall_cmds='chmod +x $lib'
;;
sunos4*)
version_type=sunos
library_names_spec='${libname}$release$shared_ext$versuffix ${libname}$shared_ext$versuffix'
finish_cmds='PATH="$PATH:/usr/etc" ldconfig $libdir'
shlibpath_var=LD_LIBRARY_PATH
shlibpath_overrides_runpath=yes
if test "$with_gnu.ld" = yes; then
    need_lib_prefix=no
fi
need_version=yes
;;
sysv4 | sysv4.3*)
version_type=linux
library_names_spec='${libname}$release$shared_ext$versuffix ${libname}$shared_ext$major
soname_spec='${libname}$release$shared_ext$major'
shlibpath_var=LD_LIBRARY_PATH
case $host_vendor in
    sni
    shlibpath_overrides_runpath=no
    need_lib_prefix=no
    ;;
export dynamic_flag_spec='${wl}-Blargedynsym'
runpath_var=LD_RUN_PATH

;; siemens
need_lib_prefix=no

;; motorola
need_lib_prefix=no
need_version=no
shlibpath_overrides_runpath=no
sys_lib_search_path_spec=/lib /usr/lib /usr/ccs/lib'

;; esac

;;

sysv4*MP*)
if test -d /usr/nec ;then
  version_type=linux
  library_names_spec='$libname${shared_ext}.${versuffix} $libname${shared_ext}.${major} $libname${shared_ext}''
  soname_spec='$libname${shared_ext}.${major}''
  shlibpath_var=LD_LIBRARY_PATH
fi

;;

sysv5* | sco3.2v5* | sco5v6* | unixware* | OpenUNIX* | sysv4*uw2*)
version_type=freebsd-elf
need_lib_prefix=no
need_version=no
library_names_spec='${libname}${release}${shared_ext}{versuffix} ${libname}${release}${shared_ext}$versuffix $libname${release}${shared_ext}'
$libname${release}${shared_ext}'
soname_spec='$libname${shared_ext}${release}${shared_ext}$major' shlibpath_var=LD_LIBRARY_PATH
hardcode_into_libs=yes
if test "$with_gnu.ld" = yes; then
  sys_lib_search_path_spec=/usr/local/lib /usr/gnu/lib /usr/ccs/lib /usr/lib /lib'
  shlibpath_overrides_runpath=no
else
  sys_lib_search_path_spec=/usr/ccs/lib /usr/lib'
  shlibpath_overrides_runpath=yes
  case $host_os in
    sco3.2v5*)
sys_lib_search_path_spec="$sys_lib_search_path_spec /lib''
    esac
fi
sys_lib_dlspecial_path_spec='''/usr/lib'
uts4*)
version_type=linux
library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major
$libname${shared_ext}'
soname_spec='${libname}${release}${shared_ext}$major'
shlibpath_var=LD_LIBRARY_PATH
;;
*)
dynamic_linker=no
;;
esac
AC_MSG_RESULT("$dynamic_linker")
test "$dynamic_linker" = no && can_build_shared=no

AC_CACHE_VAL([lt_cv_sys_lib_search_path_spec],
[lt_cv_sys_lib_search_path_spec="$sys_lib_search_path_spec"])
sys_lib_search_path_spec="$lt_cv_sys_lib_search_path_spec"
AC_CACHE_VAL([lt_cv_sys_lib_dlsearch_path_spec],
[lt_cv_sys_lib_dlsearch_path_spec="$sys_lib_dlsearch_path_spec"])
sys_lib_dlsearch_path_spec="$lt_cv_sys_lib_dlsearch_path_spec"

variables_saved_for_relink="PATH $shlibpath_var $runpath_var"
if test "$GCC" = yes; then
  variables_saved_for_relink="$variables_saved_for_relink GCC_EXEC_PREFIX COMPILER_PATH
LIBRARY_PATH"
fi
))# AC_LIBTOOL_SYS_DYNAMIC_LINKER

# _LT_AC_TAGCONFIG
# ---------------
AC_DEFUN([_LT_AC_TAGCONFIG],
[AC_REQUIRE([LT_AC_PROG_SED])dnl
AC_ARG_WITH([tags],
[AC_HELP_STRING([--with-tags@<:@=TAGS@:>@],
[include additional configurations @<:@automatic@:>@ ]),
[tagnames="$withval"])
if test -f "$ltmain" && test -n "$tagnames"; then
  if test ! -f "${ofile}"; then
    AC_MSG_WARN([output file '$ofile' does not exist])
  fi
  if test -z "$LTCC"; then
    eval "'${SHELL} ${ofile} --config | grep '^LTCC='"
if test -z "$LTCC"; then
  AC_MSG_WARN([output file '$ofile' does not look like a libtool script])
else
    AC_MSG_WARN([using 'LTCC=$LTCC', extracted from '$ofile'])
fi
fi
if test -z "$LTCFLAGS"; then
    eval "'SHELL $ofile --config | grep '^LTCFLAGS='"
fi

# Extract list of available tagged configurations in $ofile.  
# Note that this assumes the entire list is on one line.
available_tags='grep "^available_tags=" "$ofile" | $SED -e 's/available_tags=\(.*\)$/\1/" -e 's/"//g''

lt_save_ifs="$IFS"; IFS="$IFS$PATH_SEPARATOR,"
for tagname in $tagnames; do
    IFS="$lt_save_ifs"
    # Check whether tagname contains only valid characters
    case 'echo "X$tagname" | $Xsed -e 's:[-ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz1234567890,/_]/\]::g'' in
        "") ;;
    *) AC_MSG_ERROR([invalid tag name: $tagname])
       ;;
    esac
    if grep "^# ### BEGIN LIBTOOL TAG CONFIG: $tagname$" < "$ofile" > /dev/null
       then
        AC_MSG_ERROR([tag name "$tagname" already exists])
    fi

    # Update the list of available tags.
    if test -n "$tagname"; then
echo appending configuration tag "$tagname" to $ofile
    case $tagname in
        CXX)
        if test -n "$CXX" && ( test "X$CXX" != "Xno" &&
                        ( (test "X$CXX" = "Xg++" && 'g++ -v >/dev/null 2>&1') ||
                          (test "X$CXX" != "Xg++")) )
            then
            AC_LIBTOOL_LANG_CXX_CONFIG
        else
tagname=""
        fi
        ;;
    F77)
        if test -n "$F77" && test "X$F77" != "Xno";
            then
            AC_LIBTOOL_LANG_F77_CONFIG
        else
tagname=""
        fi
        ;;
if test -n "$GCJ" && test "X$GCJ" != "Xno"; then
    AC_LIBTOOL_LANG_GCJ_CONFIG
else
    tagname=""
fi
;

if test -n "$RC"; then
    AC_LIBTOOL_LANG_RC_CONFIG
else
    tagname=""
fi
;

*]
AC_MSG_ERROR([Unsupported tag name: $tagname])
;
esac

# Append the new tag name to the list of available tags.
if test -n "$tagname" ; then
    available_tags="$available_tags $tagname"
fi
fi
done
IFS="$lt_save_ifs"

# Now substitute the updated list of available tags.
if eval "sed -e 's/^available_tags=.*/$available_tags/d' "$ofile" > "$ofile"; then
    mv "$ofile" "$ofile"
    chmod +x "$ofile"
else
    rm -f "$ofile"
    AC_MSG_ERROR([unable to update list of available tagged configurations.])
fi
fi
)

# AC_LIBTOOL_DLOPEN
# -----------------
# enable checks for dlopen support
AC_DEFUN([AC_LIBTOOL_DLOPEN],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])
])

# AC_LIBTOOL_DLOPEN

# AC_LIBTOOL_DLOPEN
# -----------------
# enable checks for dlopen support
AC_DEFUN([AC_LIBTOOL_DLOPEN],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])
])

# AC_LIBTOOL_DLOPEN

# AC_LIBTOOL_DLOPEN
# -----------------
# enable checks for dlopen support
AC_DEFUN([AC_LIBTOOL_DLOPEN],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])
])

# AC_LIBTOOL_DLOPEN
# AC_LIBTOOL_WIN32_DLL
# ------------------------
# declare package support for building win32 DLLs
AC_DEFUN([AC_LIBTOOL_WIN32_DLL],
[AC_BEFORE([$0], [AC_LIBTOOL_SETUP]))
])# AC_LIBTOOL_WIN32_DLL

# AC_ENABLE_SHARED([DEFAULT])
# -----------------------------
# implement the --enable-shared flag
# DEFAULT is either 'yes' or 'no'. If omitted, it defaults to 'yes'.
AC_DEFUN([AC_ENABLE_SHARED],
[define([AC_ENABLE_SHARED_DEFAULT], ifelse($1, no, no, yes))dnl
AC_ARG_ENABLE([shared],
[AC_HELP_STRING([--enable-shared@<:@=PKGS@:>@],
[build shared libraries @<:@default=]AC_ENABLE_SHARED_DEFAULT[@:>@])],
p=${PACKAGE-default}
case $enableval in
  yes) enable_shared=yes ;;
no) enable_shared=no ;;
  *)
    enable_shared=no
# Look at the argument we got. We use all the common list separators.
    IFS="$IFS"; IFS="$IFS$PATH_SEPARATOR,";
    for pkg in $enableval; do
      IFS=""$IFS"
      if test "$pkg" = "$p"; then
        enable_shared=yes
      fi
    done
    IFS=""$IFS"
  ;;
esac],
[enable_shared=]AC_ENABLE_SHARED_DEFAULT)
])# AC_ENABLE_SHARED

# AC_DISABLE_SHARED
# -------------------
# set the default shared flag to --disable-shared
AC_DEFUN([AC_DISABLE_SHARED],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])dnl
AC_ENABLE_SHARED(no))
])# AC_DISABLE_SHARED

# AC_ENABLE_STATIC([DEFAULT])
# implement the --enable-static flag
# DEFAULT is either 'yes' or 'no'. If omitted, it defaults to 'yes'.
AC_DEFUN([AC_ENABLE_STATIC],
[define([AC_ENABLE_STATIC_DEFAULT], ifelse($1, no, no, yes))dnl
AC_ARG_ENABLE([static],
[AC_HELP_STRING([--enable-static@<:@=PKGS@:>@],
[build static libraries @<:@default=]AC_ENABLE_STATIC_DEFAULT[@:>@])],
[p=${PACKAGE-default}
case $enableval in
yes) enable_static=yes ;;
no) enable_static=no ;;
*)
enable_static=no
# Look at the argument we got. We use all the common list separators.
l_{t_save_ifs}="IFS"; IFS=""IFS"SPATH_SEPARATOR," for pkg in $enableval; do
IFS=""lt_save_ifs"
if test "X$pkg" = "X$p"; then
enable_static=yes
fi
done
IFS=""lt_save_ifs"
::
esac],
[enable_static=]AC_ENABLE_STATIC_DEFAULT)
])# AC_ENABLE_STATIC

# AC_DISABLE_STATIC
# ------------
# set the default static flag to --disable-static
AC_DEFUN([AC_DISABLE_STATIC],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])dnl
AC_ENABLE_STATIC(no)
])# AC_DISABLE_STATIC

# AC_ENABLE_FAST_INSTALL([DEFAULT])
# -------------------------------
# implement the --enable-fast-install flag
# DEFAULT is either 'yes' or 'no'. If omitted, it defaults to 'yes'.
AC_DEFUN([AC_ENABLE_FAST_INSTALL],
[define([AC_ENABLE_FAST_INSTALL_DEFAULT], ifelse($1, no, no, yes))dnl
AC_ARG_ENABLE([fast-install],
[AC_HELP_STRING([--enable-fast-install@<:@=PKGS@:>@],
[p=${PACKAGE-default}
case $enableval in
  yes) enable_fast_install=yes ;;
  no) enable_fast_install=no ;;
  *)
    enable_fast_install=no
  # Look at the argument we got. We use all the common list separators.
  lt_save_ifs="$IFS"; IFS=""$IFS"$PATH_SEPARATOR,"
  for pkg in $enableval; do
    IFS="$lt_save_ifs"
    if test "X$pkg" = "X$p"; then
      enable_fast_install=yes
    fi
    done
  IFS="$lt_save_ifs"
  ;;
  esac],
  [enable_fast_install=]AC_ENABLE_FAST_INSTALL_DEFAULT)
)\# AC_ENABLE_FAST_INSTALL

# AC_DISABLE_FAST_INSTALL
# -----------------------
# set the default to --disable-fast-install
AC_DEFUN([AC_DISABLE_FAST_INSTALL],
  [AC_BEFORE([$0], [AC_LIBTOOL_SETUP])dnl
  AC_ENABLE_FAST_INSTALL(no)
)\# AC_DISABLE_FAST_INSTALL

# AC_LIBTOOL_PICMODE([MODE])
# --------------------------
# implement the --with-pic flag
# MODE is either 'yes' or 'no'. If omitted, it defaults to 'both'.
AC_DEFUN([AC_LIBTOOL_PICMODE],
  [AC_BEFORE([$0], [AC_LIBTOOL_SETUP])dnl
  pic_mode=ifelse($#,1,$1,default)
)\# AC_LIBTOOL_PICMODE

# AC_PROG_EGREP
# ------------
# This is predefined starting with Autoconf 2.54, so this conditional
# definition can be removed once we require Autoconf 2.54 or later.
m4_ifndef([AC_PROG_EGREP], [AC_DEFUN([AC_PROG_EGREP],
  [AC_CACHE_CHECK([for egrep], [ac_cv_prog_egrep],
    [if echo a | (grep -E '(a|b)') >/dev/null 2>&1
      then ac_cv_prog_egrep='grep -E'
    else ac_cv_prog_egrep='egrep'
)\# AC_PROG_EGREP
fi})
EGREP=$ac_cv_prog_egrep
AC_SUBST([EGREP])
})

# AC_PATH_TOOL_PREFIX
# -------------------
# find a file program which can recognize shared library
AC_DEFUN([AC_PATH_TOOL_PREFIX],
[AC_REQUIRE([AC_PROG_EGREP])dnl
AC_MSG_CHECKING([for $1])
AC_CACHE_VAL(lt_cv_path_MAGIC_CMD,
[case $MAGIC_CMD in
[[\/*] | ?:\/*])
lt_cv_path_MAGIC_CMD="$MAGIC_CMD" # Let the user override the test with a path.
;;
]*)
lt_save_MAGIC_CMD="$MAGIC_CMD"
lt_save_ifs="$IFS"; IFS=$PATH_SEPARATOR
dnl $ac_dummy forces splitting on constant user-supplied paths.
dnl POSIX.2 word splitting is done only on the output of word expansions,
dnl not every word. This closes a longstanding sh security hole.
ac_dummy="ifelse([$2], , $PATH, [$2])"
for ac_dir in $ac_dummy; do
   IFS="$lt_save_ifs"
   test -z "$ac_dir" && ac_dir=.
   if test -f $ac_dir/$1; then
      lt_cv_path_MAGIC_CMD="$ac_dir/$1"
      if test -n "$file_magic_test_file"; then
         case $deplibs_check_method in
         "file_magic ")
            file_magic_regex='expr "$deplibs_check_method" : "file_magic \(.*\)"'
            MAGIC_CMD="$lt_cv_path_MAGIC_CMD"
            if eval $file_magic_cmd\$file_magic_test_file 2> /dev/null |
               SEGREP "$file_magic_regex" > /dev/null; then
               :
            else
               cat <<EOF 1>&2
            *** Warning: the command libtool uses to detect shared libraries,
            *** $file_magic_cmd, produces output that libtool cannot recognize.
            *** The result is that libtool may fail to recognize shared libraries
            *** as such. This will affect the creation of libtool libraries that
            *** depend on shared libraries, but programs linked with such libtool
            *** libraries will work regardless of this problem. Nevertheless, you
            *** may want to report the problem to your system manager and/or to
            *** bug-libtool@gnu.org
EOF
fi
fi
esac
break
done
IFS="$lt_save_ifs"
MAGIC_CMD="$lt_save_MAGIC_CMD"
;;
esac)
MAGIC_CMD="$lt_cv_path_MAGIC_CMD"
if test -n "$MAGIC_CMD"; then
AC_MSG_RESULT($MAGIC_CMD)
else
AC_MSG_RESULT(no)
fi
)# AC_PATH_TOOL_PREFIX

# AC_PATH_MAGIC
# -----------
# find a file program which can recognize a shared library
AC_DEFUN([AC_PATH_MAGIC],
[AC_PATH_TOOL_PREFIX(${ac_tool_prefix}file, /usr/bin$PATH_SEPARATOR$PATH)
if test -z "$lt_cv_path_MAGIC_CMD"; then
if test -n "$ac_tool_prefix"; then
AC_PATH_TOOL_PREFIX(file, /usr/bin$PATH_SEPARATOR$PATH)
else
MAGIC_CMD=:
fi
fi
)# AC_PATH_MAGIC

# AC_PROG_LD
# -------
# find the pathname to the GNU or non-GNU linker
AC_DEFUN([AC_PROG_LD],
[AC_ARG_WITH([gnu-ld],
[AC_HELP_STRING([--with-gnu-ld],
[assume the C compiler uses GNU ld @<:@default=no@:>@])],
[test "$withval" = no || with_gnu_ld=yes],
[with_gnu_ld=no])
AC_REQUIRE([LT_AC_PROG_SED])dnl
AC_REQUIRE([AC_PROG_CC])dnl
AC_REQUIRE([AC_CANONICAL_HOST])dnl
AC_REQUIRE([AC_CANONICAL_BUILD])
dnl
ac_prog=ld
if test "$GCC" = yes; then
  # Check if gcc -print-prog-name=ld gives a path.
  AC_MSG_CHECKING([for ld used by $CC])
  case $host in
    *-.*-mingw*)
      # gcc leaves a trailing carriage return which upsets mingw
      ac_prog="(SACC -print-prog-name=ld) 2>&5 | tr -d \015" ;;
    *)
      ac_prog="(SACC -print-prog-name=ld) 2>&5" ;;
  esac
  case $ac_prog in
    # Accept absolute paths.
    [^[Vv]* | ?-^[Vv]*]
      re_direlt=/[^/]*[^/]/
      # Canonicalize the pathname of ld
      ac_prog='echo $ac_prog| $SED 's%\\%/%g''
      while echo $ac_prog | grep "$re_direlt" > /dev/null 2>&1; do
        ac_prog='echo $ac_prog| $SED "s%$re_direlt%/%"'
        done
    test -z "$LD" && LD="$ac_prog"
    ;;
    "")
      # If it fails, then pretend we aren't using GCC.
      ac_prog=ld
      ;;
    *)
      # If it is relative, then search for the first ld in PATH.
      with_gnu_ld=unknown
      ;;
  esac
  elif test "$with_gnu_ld" = yes; then
    AC_MSG_CHECKING([for GNU ld])
  else
    AC_MSG_CHECKING([for non-GNU ld])
  fi
AC_CACHE_VAL(lt_cv_path_LD, [if test -z "$LD"; then
lt_save_ifs="$IFS"; IFS=$PATH_SEPARATOR
for ac_dir in $PATH; do
  IFS="$lt_save_ifs"
  test -z "$ac_dir" && ac_dir=
  if test -f "$ac_dir/Sac_prog" || test -f "$ac_dir/Sac_prog$sac_exeext"; then
    lt_cv_path_LD="$ac_dir/Sac_prog"
    # Check to see if the program is GNU ld. I'd rather use --version,
    # but apparently some variants of GNU ld only accept -v.
    # Break only if it was the GNU/non-GNU ld that we prefer.
case "$lt_cv_path_LD" -v 2>&1 < /dev/null in $GNU* | *"with BFD")

test "$with_gnu_ld" != no && break

"

")
test "$with_gnu_ld" != yes && break

"

esac

fi
done

IFS=""$lt_save_ifs"
else
lt_cv_path_LD=""$LD" # Let the user override the test with a path.
fi

LD=""$lt_cv_path_LD"
if test -n "$LD" ; then

AC_MSG_RESULT($LD)
else

AC_MSG_RESULT(no)
fi
test -z "$LD" && AC_MSG_ERROR([no acceptable ld found in \$PATH])

AC_PROG_LD_GNU

# AC_PROG_LD_GNU
# ---------------
AC_DEFUN([AC_PROG_LD_GNU],
[AC_REQUIRE([AC_PROG_EGREP])]

AC_CACHE_CHECK([if the linker ($LD) is GNU ld], lt_cv_prog_gnu_ld,
[# I'd rather use --version here, but apparently some GNU lds only accept -v.
case "$LD" -v 2>&1 < /dev/null in $GNU* | *"with BFD")

lt_cv_prog_gnu_ld=yes

"

")
lit_cv_prog_gnu_ld=no

"
esac)

with_gnu_ld=$lt_cv_prog_gnu_ld

)# AC_PROG_LD_GNU

# AC_PROG_LD_RELOAD_FLAG
# ---------------------
# find reload flag for linker
# -- PORTME Some linkers may need a different reload flag.
AC_DEFUN([AC_PROG_LD_RELOAD_FLAG],


[AC_CACHE_CHECK([for $LD option to reload object files],
lt_cv_ld_reload_flag,
[lt_cv_ld_reload_flag=-r])
reload_flag=$lt_cv_ld_reload_flag
case $reload_flag in
  "" | " ") ;;
*) reload_flag=" $reload_flag" ;;
esac
reload_cmds='$LD$reload_flag -o $output$reload_objs'
case $host_os in
darwin*)
  if test "$SGCC" = yes; then
    reload_cmds='$LTCC $LTCFLAGS -nostdlib ${wl}-r -o $output$reload_objs'
  else
    reload_cmds='$LD$reload_flag -o $output$reload_objs'
  fi
;;
esac
})# AC_PROG_LD_RELOAD_FLAG

# AC_DEPLIBS_CHECK_METHOD
# -----------------------
# how to check for library dependencies
# -- PORTME fill in with the dynamic library characteristics
AC_DEFUN([AC_DEPLIBS_CHECK_METHOD],
[AC_CACHE_CHECK([how to recognize dependent libraries],
lt_cv_deplibs_check_method,
[lt_cv_file_magic_cmd='$MAGIC_CMD'
l克服file_magic_test_file=
l克服file_magic_check_method='unknown'
# Need to set the preceding variable on all platforms that support
# interlibrary dependencies.
# 'none' -- dependencies not supported.
# 'unknown' -- same as none, but documents that we really don't know.
# 'pass_all' -- all dependencies passed with no checks.
# 'test_compile' -- check by making test program.
# 'file_magic [[regex]]' -- check by looking for files in library path
# which responds to the $file_magic_cmd with a given extended regex.
# If you have 'file' or equivalent on your system and you're not sure
# whether 'pass_all' will *always* work, you probably want this one.

case $host_os in
  aix[[4-9]]*)
    lt_cv_deplibs_check_method=pass_all
  ;;
beos*)

  ;;

lt_cv_deplibs_check_method=pass_all

bsdi[[45]/*)
lt_cv_deplibs_check_method='file_magic ELF [[0-9]][[0-9]]*-bit [[ML]]SB (shared object|dynamic lib)'
lit_cv_file_magic_cmd='/usr/bin/file -L'
lit_cv_file_magic_test_file=/shlib/libc.so

;-

cygwin*)
# func_win32_libid is a shell function defined in ltmain.sh
lt_cv_deplibs_check_method='file_magic ^x86 archive import|^x86 DLL'
lit_cv_file_magic_cmd='func_win32_libid'
lit_cv_file_magic_test_file=:

 mingw* | pw32*)
# Base MSYS/MinGW do not provide the 'file' command needed by
# func_win32_libid she function, so use a weaker test based on 'objdump',
# unless we find 'file', for example because we are cross-compiling.
if ( file / ) >/dev/null 2>&1; then
   lit_cv_deplibs_check_method='file_magic ^x86 archive import|^x86 DLL'
lit_cv_file_magic_cmd='func_win32_libid'
else
   lit_cv_deplibs_check_method='file_magic file format pei*-i386(.*architecture: i386)?'
lit_cv_file_magic_cmd='$OBJDUMP -f'
fi

;-

darwin* | rhapsody*)
lit_cv_deplibs_check_method=pass_all

;-

freebsd* | dragonfly*)
if echo __ELF__ | $CC -E - | grep __ELF__ > /dev/null; then
   case $host_cpu in
      i*86)
         # Not sure whether the presence of OpenBSD here was a mistake.
         # Let's accept both of them until this is cleared up.
         lit_cv_deplibs_check_method='file_magic (FreeBSD|OpenBSD|DragonFly)/i[3-9]]86 (compact )?demand paged shared library'
lit_cv_file_magic_cmd='/usr/bin/file
lent_cv_file_magic_test_file='echo /usr/lib/libc.so.*'

;-
else
   lit_cv_deplibs_check_method=pass_all
fi
;-

gnu*)
l_t_cv_deplibs_check_method=pass_all
;;

hpuX10.20* | hpuX11*)
l_t_cv_file_magic_cmd=/usr/bin/file
case $host_cpu in
  ia64*)
l_t_cv_deplibs_check_method=file_magic (s[0-9][0-9][0-9][0-9]|ELF-[0-9][0-9][0-9]) shared object file - IA64'
l_t_cv_file_magic_test_file=/usr/lib/hpux32/libc.so
  ;;
  hppa*64*)
  [l_t_cv_deplibs_check_method=file_magic (s[0-9][0-9][0-9][0-9]|ELF-[0-9][0-9][0-9]) shared object file - PA-RISC [0-9][0-9][0-9]]
l_t_cv_file_magic_test_file=/usr/lib/pa20_64/libc.sl
  ;;
  *)
l_t_cv_deplibs_check_method=file_magic (s[0-9][0-9][0-9][0-9]|PA-RISC[0-9][0-9][0-9]) shared library'
l_t_cv_file_magic_test_file=/usr/lib/libc.sl
  ;;
esac
  ;;
interix3[3-9]*)
  # PIC code is broken on Interix 3.x, that's why |.a not |.pic|.a here
l_t_cv_deplibs_check_method=match_pattern /lib/[\[^/\]+(\.|\a)a$'
  ;;
irix5* | irix6* | nonstopux*)
case SLD in
  *-32|"-32 ") libmagic=32-bit;;
  *-n32|"-n32 ") libmagic=N32;;
  *-64|"-64 ") libmagic=64-bit;;
  *) libmagic=never-match;;
esac
l_t_cv_deplibs_check_method=pass_all
  ;;
  # This must be Linux ELF.
linux* | k*bsd*-gnu)
l_t_cv_deplibs_check_method=pass_all
  ;;
netsbd*)
  if echo __ELF__ | $CC -E - | grep __ELF__ > /dev/null; then
    l_t_cv_deplibs_check_method=match_pattern /lib/[\[^/\]+\(\.|\a\)+\(\.|\a\)[0-9]+\(\.|\a\)[0-9]+\(\.|\a\)$'
  else

lt_cv_deplibs_check_method='match_pattern /lib/[^/]+(/.so|_pic.a)'
fi

newos6*)
lt_cv_deplibs_check_method='file_magic ELF [0-9]+-[0-9]+-bit [ML]. (executable|dynamic lib)'
lt_cv_file_magic_cmd=/usr/bin/file
lt_cv_file_magic_test_file=/usr/lib/libnls.so

nto-qnx*)
lt_cv_deplibs_check_method=unknown

openbsd*)
if test -z "echo __ELF__ | $CC -E - | grep __ELF__" || test "$host_os-$host_cpu" = "openbsd2.8-powerpc"; then
lt_cv_deplibs_check_method='match_pattern /lib/[^/]+(/.so.[0-9]+.[0-9]+|_pic.a)'
else
lt_cv_deplibs_check_method='match_pattern /lib/[^/]+(/.so.[0-9]+.[0-9]+|_pic.a)'
fi

osf3* | osf4* | osf5*)
lt_cv_deplibs_check_method=pass_all

rdos*)
lt_cv_deplibs_check_method=pass_all

solaris*)
lt_cv_deplibs_check_method=pass_all

sysv4 | sysv4.3*)
case $host_vendor in
motorola)
lc_file_magic_test_file="echo /usr/lib/libc.so"
else
nct
lt_cv_deplibs_check_method=pass_all
else
ncr)
lc_file_magic_cmd="/bin/file"
lc_deplibs_check_method=pass_all
else
sequent)
lc_file_magic_cmd="/bin/file"
else

```bash
sni
lt_cv_file_magic_cmd='/bin/file'
lt_cv_deplibs_check_method="file_magic ELF [[0-9]][[0-9]]*-bit [[LM]]SB dynamic lib"
lt_cv_file_magic_test_file=/lib/libc.so
;;
siemens)
lc_cv_deplibs_check_method=pass_all
;;
pc)
lc_cv_deplibs_check_method=pass_all
;;
esac
;;
syv5* | sco3.2v5* | sco5v6* | unixware* | OpenUNIX* | sysv4*uw2*)
lc_cv_deplibs_check_method=pass_all
;;
esac
})
file_magic_cmd=$lt_cv_file_magic_cmd
deplibs_check_method=$lt_cv_deplibs_check_method
test -z "deplibs_check_method" && deplibs_check_method=unknown
})# AC_DEPLIBS_CHECK_METHOD

# AC_PROG_NM
# ---------
# find the pathname to a BSD-compatible name lister
AC_DEFUN([AC_PROG_NM],
[AC_CACHE_CHECK([for BSD-compatible nm], lt_cv_path_NM,
if test -n "$NM"; then
  # Let the user override the test.
  lt_cv_path_NM="$NM"
else
  lt_nm_to_check="${ac_tool_prefix}nm"
  if test -n "$ac_tool_prefix" && test "$build" = "$host"; then
    lt_nm_to_check="$lt_nm_to_check nm"
  fi
  for lt_tmp_nm in $lt_nm_to_check; do
    if test -z "$ac_dir" && ac_dir=
    test -z "$ac_dir" & ac_dir=
    for ac_dir in $PATH /usr/ccs/bin/elf /usr/ccs/bin /usr/ccs/bin; do
      IFS="$lt_save_ifs"
      test -z "$ac_dir" & ac_dir=
      tmp_nm="$ac_dir/$lt_tmp_nm"
      if test -f "$tmp_nm" || test -f "$tmp_nm$sac_execext" ; then
        # Check to see if the nm accepts a BSD-compat flag.
        # Adding the 'sed 1q' prevents false positives on HP-UX, which says:
        # nm: unknown option "B" ignored
```
# Tru64's nm complains that /dev/null is an invalid object file
\[\text{case "$tmp_nm" -B /dev/null 2>&1 | sed '1q' in} \]
\(*/dev/null* | *Invalid file or object type*)
\[lt_cv_path_NM="$tmp_nm -B"
break
; ;
*)
\[\text{case "$tmp_nm" -p /dev/null 2>&1 | sed '1q' in} \]
\(*/dev/null*)
\[lt_cv_path_NM="$tmp_nm -p"
break
; ;
*)
\[lt_cv_path_NM=${lt_cv_path_NM="$tmp_nm"} \] # keep the first match, but continue # so that we can try to find one that supports BSD flags
; ;
esac
; ;
esac
fi
done
IFS="$lt_save_ifs"
done
test -z "$lt_cv_path_NM" && lt_cv_path_NM=nm
fi)
NM="$lt_cv_path_NM"
]# AC_PROG_NM

# AC_CHECK_LIBM
# --------
# check for math library
AC_DEFUN([AC_CHECK_LIBM],
[AC_REQUIRE([AC_CANONICAL_HOST])dnl
LIBM=
case $host in
*-*-beos* | *-*-cygwin* | *-*-pw32* | *-*-darwin*)
# These system don't have libm, or don't need it
; ;
*-*-ncr-sysv4.3*)
AC_CHECK_LIB(mw, _mwvalidcheckl, LIBM="-lmw")
AC_CHECK_LIB(m, cos, LIBM="$LIBM -lm")
; ;
*)
AC_CHECK_LIB(m, cos, LIBM="-lm")
; ;
esac
]# AC_CHECK_LIBM
# AC_LIBLTDL_CONVENIENCE([DIRECTORY])
# -----------------------------------
# sets LIBLTDL to the link flags for the libltdl convenience library and
# LTDLINCL to the include flags for the libltdl header and adds
# --enable-ltdl-convenience to the configure arguments. Note that
# AC_CONFIG_SUBDIRS is not called here. If DIRECTORY is not provided,
# it is assumed to be 'libltdl'. LIBLTDL will be prefixed with
# '${top_builddir}/' and LTDLINCL will be prefixed with '${top_srcdir}/'
# (note the single quotes!). If your package is not flat and you're not
# using automake, define top_builddir and top_srcdir appropriately in
# the Makefiles.
AC_DEFUN([AC_LIBLTDL_CONVENIENCE],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])dnl
 case $enable_ltdl_convenience in
 no) AC_MSG_ERROR([this package needs a convenience libltdl]) ;;
  *) enable_ltdl_convenience=yes
   ac_configure_args="$ac_configure_args --enable-ltdl-convenience" ;;
 esac
LIBLTDL=${top_builddir}/ifelse($#,1,[$1],['libltdl'])/libltdc.la
LTDLINCL=-I${top_srcdir}/ifelse($#,1,[$1],['libltdl'])
# For backwards non-gettext consistent compatibility...
INCLTDL="$LTDLINCL"
])# AC_LIBLTDL_CONVENIENCE

# AC_LIBLTDL_INSTALLABLE([DIRECTORY])
# -----------------------------------
# sets LIBLTDL to the link flags for the libltdl installable library and
# LTDLINCL to the include flags for the libltdl header and adds
# --enable-ltdl-install to the configure arguments. Note that
# AC_CONFIG_SUBDIRS is not called here. If DIRECTORY is not provided,
# an installed libltdl is not found, it is assumed to be 'libltdl'.
# LIBLTDL will be prefixed with '${top_builddir}/' and LTDLINCL with
# '${top_srcdir}/' (note the single quotes!). If your package is not
# flat and you're not using automake, define top_builddir and top_srcdir
# appropriately in the Makefiles.
# In the future, this macro may have to be called after AC_PROG_LIBTOOL.
AC_DEFUN([AC_LIBLTDL_INSTALLABLE],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])dnl
 AC_CHECK_LIB(ltdl, lt_dlinit,
 [test x"enable_ltdl_install" != xyes && enable_ltdl_install=no],
 [if test x"enable_ltdl_install" = xno; then
 AC_MSG_WARN([libltdl not installed, but installation disabled])
 else
 enable_ltdl_install=yes
 fi
 fi
if test x"$enable_ltdl_install" = x"yes"; then
    ac_configure_args="$ac_configure_args --enable-ltdl-install"
    LIBLTDL="$top_builddir"/ifelse($#,1,$[1],['libltdl'])/libltdl.la
    LTDLINCL='-I$top_srcdir'ifelse($#,1,$[1],['libltdl'])
else
    ac_configure_args="$ac_configure_args --enable-ltdl-install=no"
    LIBLTDL="-lltdl"
    LTDLINCL=
fi
# For backwards non-gettext consistent compatibility...
INCLTDL="$LTDLINCL"
})# AC_LIBLTDL_INSTALLABLE

# AC_LIBTOOL_CXX
# --------------
# enable support for C++ libraries
AC_DEFUN([AC_LIBTOOL_CXX],
    [AC_REQUIRE([LT_AC_LANG_CXX])]
    )# AC_LIBTOOL_CXX

# _LT_AC_LANG_CXX
# --------------
AC_DEFUN([_LT_AC_LANG_CXX],
    [AC_REQUIRE([LT_AC_PROG_CXX])
    AC_REQUIRE([_LT_AC_PROG_CXXCPP])
    _LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}CXX])
    )# _LT_AC_LANG_CXX

# _LT_AC_PROG_CXXCPP
# ------------------
AC_DEFUN([_LT_AC_PROG_CXXCPP],
    [AC_REQUIRE([LT_AC_PROG_CXX])
    if test -n "SCXX" & & ( test "XSCXX" != "Xno" & &
      ( (test "XSCXX" = "Xg++" & & 'g++ -v >/dev/null 2>&1') ||
      (test "XSCXX" != "Xg++")) ) ; then
    AC_PROG_CXXCPP
    fi
    )# _LT_AC_PROG_CXXCPP

# AC_LIBTOOL_F77
# -------------
# enable support for Fortran 77 libraries
AC_DEFUN([AC_LIBTOOL_F77],
    [AC_REQUIRE([LT_AC_LANG_F77])
    )
AC_DEFUN(_LT_AC_LANG_F77, [AC_REQUIRE([AC_PROG_F77])]
_LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}F77])
)

AC_DEFUN(_LT_AC_LANG_GCJ, [AC_PROVIDE_IFELSE([AC_PROG_GCJ],[],
[AC_PROVIDE_IFELSE([A][M_PROG_GCJ],[],
[AC_PROVIDE_IFELSE([LT_AC_PROG_GCJ],[],
[ifdef([AC_PROG_GCJ], [AC_REQUIRE([AC_PROG_GCJ])],
[ifdef([A][M_PROG_GCJ], [AC_REQUIRE([A][M_PROG_GCJ])],
[AC_REQUIRE([A][C_PROG_GCJ_OR_A][M_PROG_GCJ])]])])])]
_LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}GCJ])
)

AC_DEFUN(_LT_AC_LANG_RC, [AC_PROVIDE_IFELSE([AC_PROG_RC],[],
[M_PROG_RC])] _LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}RC])
)

AC_DEFUN(_LT_AC_LANG_C_CONFIG, [AC_PROVIDE_IFELSE([AC_PROG_C],[],
[M_PROG_C])] _LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}C])
)
[lt_save_CC="$CC"
AC_LANG_PUSH(C)

# Source file extension for C test sources.
ac_ext=c

# Object file extension for compiled C test sources.
objext=o
_LT_AC_TAGVAR(objext, $1)=$objext

# Code to be used in simple compile tests
lt_simple_compile_test_code="int some_variable = 0;"

# Code to be used in simple link tests
lt_simple_link_test_code='int main(){return(0);}'

_LT_AC_SYS_COMPILER

# save warnings/boilerplate of simple test code
_LT_COMPILER_BOILERPLATE
_LT_LINKER_BOILERPLATE

AC_LIBTOOL_PROG_COMPILER_NO_RTTI($1)
AC_LIBTOOL_PROG_COMPILER_PIC($1)
AC_LIBTOOL_PROG_CC_C_O($1)
AC_LIBTOOL_SYS_HARD_LINK_LOCKS($1)
AC_LIBTOOL_PROG_LD_SHLIBS($1)
AC_LIBTOOL_SYS_DYNAMIC_LINKER($1)
AC_LIBTOOL_PROG_LD_HARDCODE_LIBPATH($1)
AC_LIBTOOL_SYS_LIB_STRIP
AC_LIBTOOL_DLOPEN_SELF

# Report which library types will actually be built
AC_MSG_CHECKING([if libtool supports shared libraries])
AC_MSG_RESULT([can_build_shared])

AC_MSG_CHECKING([whether to build shared libraries])
test "$can_build_shared" = "no" && enable_shared=no

# On AIX, shared libraries and static libraries use the same namespace, and # are all built from PIC.
case $host_os in
  aix* )
test "$enable_shared" = yes && enable_static=no
if test -n "$RANLIB"; then
  archive_cmds="$archive_cmds~$RANLIB $lib"
  postinstall_cmds="$RANLIB $lib"
fi
aix([4-9]*)
if test "\$host_cpu" != ia64 && test "\$aix_use_runtimelinking" = no ; then
test "\$enable_shared" = yes && enable_static=no
fi
::
esac
AC_MSG_RESULT([\$enable_shared])

AC_MSG_CHECKING([[whether to build static libraries]])
# Make sure either enable_shared or enable_static is yes.
test "\$enable_shared" = yes || enable_static=yes
AC_MSG_RESULT([\$enable_static])

AC_LIBTOOL_CONFIG($1)

AC_LANG_POP
CC="\$lt_save_CC"
)

# AC_LIBTOOL_LANG_CXX_CONFIG
# --------------------------
# Ensure that the configuration vars for the C compiler are
# suitably defined. Those variables are subsequently used by
# AC_LIBTOOL_CONFIG to write the compiler configuration to 'libtool'.
AC_DEFUN([AC_LIBTOOL_LANG_CXX_CONFIG], [\_LT_AC_LANG_CXX_CONFIG(CXX)])
AC_DEFUN([\_LT_AC_LANG_CXX_CONFIG], [AC_LANG_PUSH(C++)
AC_REQUIRE([AC_PROG_CXX])
AC_REQUIRE([\_LT_AC_PROG_CXXCPP])

\_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
\_LT_AC_TAGVAR(allow_undefined_flag, $1)=
\_LT_AC_TAGVAR(always_export_symbols, $1)=no
\_LT_AC_TAGVAR(archive_expsym_cmds, $1)=
\_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)=
\_LT_AC_TAGVAR(hardcode_direct, $1)=no
\_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)=
\_LT_AC_TAGVAR(hardcode_libdir_flag_spec_ld, $1)=
\_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=
\_LT_AC_TAGVAR(hardcode_minus_L, $1)=no
\_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=unsupported
\_LT_AC_TAGVAR(hardcode_automatic, $1)=
\_LT_AC_TAGVAR(module_cmds, $1)=
\_LT_AC_TAGVAR(module_expsym_cmds, $1)=
\_LT_AC_TAGVAR(link_all_deplibs, $1)=unknown
# Dependencies to place before and after the object being linked:

# Source file extension for C++ test sources.
ac_ext=cpp

# Object file extension for compiled C++ test sources.
objext=o

# Code to be used in simple compile tests
lt_simple_compile_test_code="int some_variable = 0;"

# Code to be used in simple link tests
lt_simple_link_test_code='int main(int, char *[[[]]] { return(0); }'

# ltmain only uses $CC for tagged configurations so make sure $CC is set.

# Allow CC to be a program name with arguments.
lt_save_CC=$CC
lt_save_LD=$LD
lt_save_GCC=$GCC
GCC=$GXX
lt_save_with_gnu_ld=$with_gnu_ld
lt_save_path_LD=$lt_cv_path_LD
if test -n "$[lt_cv_prog_gnu_ldcxx+set]"; then
  lt_cv_prog_gnu_ld=$lt_cv_prog_gnu_ldcxx
else
  $as_unset lt_cv_prog_gnu_ld
fi
if test -n "$[lt_cv_path_LDCXX+set]"; then
  lt_cv_path_LD=$lt_cv_path_LDCXX
else

$as_unset lt_cv_path_LD
fi
test -z "$[LDCXX+set]" || LD=$LDCXX
CC=$[CXX-"-c++"]
compiler=$CC
_LT_AC_TAGVAR(compiler, $1)=$CC
_LT_CC_BASENAME([$compiler])

# We don't want -fno-exception wen compiling C++ code, so set the
# no_builtin_flag separately
if test "$GXX" = yes; then
  _LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)='-fno-builtin'
else
  _LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)=
fi

if test "$GXX" = yes; then
  # Set up default GNU C++ configuration

  AC_PROG_LD

  # Check if GNU C++ uses GNU ld as the underlying linker, since the
  # archiving commands below assume that GNU ld is being used.
  if test "SWITHGNU LD" = yes; then
    _LT_AC_TAGVAR(archive_cmds, $1)="CC -shared -nostdlib $predep_objects $ldobjs $depobjs
$postdep_objects $compiler_flags $[wl]-soname $wl$soname -o $lib
  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="CC -shared -nostdlib $predep_objects $ldobjs $depobjs
$postdep_objects $compiler_flags $[wl]-soname $wl$soname $[wl]-retain-symbols-file $wl$export_symbols -o $lib

  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="[wl]--rpath [wl]$libdir"
  _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="[wl]--export-dynamic"

  # If archive_cmds runs LD, not CC, wlarc should be empty
  # XXX I think wlarc can be eliminated in ltcf-cxx, but I need to
  #     investigate it a little bit more. (MM)
  wlarc="[wl]"

  # ancient GNU ld didn't support --whole-archive et. al.
  if eval "$CC -print-prog-name=ld' --help 2>&1" |
  grep 'no-whole-archive' > /dev/null; then
    _LT_AC_TAGVAR(whole_archive_flag_spec, $1)="wlarc"--whole-archive$convenience "$wlarc"--no-whole-archive'
  else
    _LT_AC_TAGVAR(whole_archive_flag_spec, $1)=
  fi
else
  with_gnu_ld=no
# A generic and very simple default shared library creation
# command for GNU C++ for the case where it uses the native
# linker, instead of GNU ld. If possible, this setting should
# overridden to take advantage of the native linker features on
# the platform it is being used on.

_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags -o $lib"

fi

# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.

output_verbose_link_cmd="$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "^-L""

else

GXX=no
with_gnu_ld=no
wlarc=
fi

# PORTME: fill in a description of your system's C++ link characteristics

AC_MSG_CHECKING([whether the $compiler linker ($LD) supports shared libraries])

_LT_AC_TAGVAR(ld_shlibs, $1)=yes
case $host_os in
  aix3*)
    # FIXME: insert proper C++ library support
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
  ;;
  aix[4-9]*)
    if test "$host_cpu" = ia64; then
      # On IA64, the linker does run time linking by default, so we don't
      # have to do anything special.
      aix_use_runtimelinking=no
      exp_sym_flag='-Bexport'
      no_entry_flag=""
    else
      aix_use_runtimelinking=no
    fi
  fi

  # Test if we are trying to use run time linking or normal
  # AIX style linking. If -brtl is somewhere in LDFLAGS, we
  # need to do runtime linking.
  case $host_os in
    aix4.[23][aix4.[[23]].*[aix[5-9]]*)
    for ld_flag in LDFLAGS; do
      case $ld_flag in
        *-brtl*)
        aix_use_runtimelinking=yes
      esac
    done
  esac

  # Fixme: insert proper C++ library support
  _LT_AC_TAGVAR(ld_shlibs, $1)=no

  ;;
break
::
esac
done
::
esac

exp_sym_flag='-bexport'
no_entry_flag='-bnoentry'
fi

# When large executables or shared objects are built, AIX ld can
# have problems creating the table of contents. If linking a library
# or program results in "error TOC overflow" add -mminimal-tocto
# CXXFLAGS/CFLAGS for g++/gcc. In the cases where that is not
# enough to fix the problem, add -Wl,-bbigtoc to LDFLAGS.

_LT_AC_TAGVAR(archive_cmds, $1)=""
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes

if test "$GXX" = yes; then
  case $host_os in
    aix4.[012]
    |aix4.[012].*)
    # We only want to do this on AIX 4.2 and lower, the check
    # below for broken collect2 doesn't work under 4.3+
    collect2name='${CC} -print-prog-name=collect2'
    if test -f "$collect2name" &&
      strings "$collect2name" | grep resolve_lib_name >/dev/null
    then
      # We have reworked collect2
      :
    else
      # We have old collect2
      _LT_AC_TAGVAR(hardcode_direct, $1)=unsupported
      # It fails to find uninstalled libraries when the uninstalled
      # path is not listed in the libpath. Setting hardcode_minus_L
      # to unsupported forces relinking
      _LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
      _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
      _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=
    fi
  esac
fi
::
esac
shared_flag='-shared'
if test "$aix_use_runtimelinking" = yes; then
  shared_flag="$shared_flag "$wl-G"
fi
else
    # not using gcc
    if test "$host_cpu" = ia64; then
      # VisualAge C++, Version 5.5 for AIX 5L for IA-64, Beta 3 Release
      # chokes on -WI,-G. The following line is correct:
      shared_flag='-G'
    else
      if test "$Saix_use_runtimelinking" = yes; then
        shared_flag=${wl}-G'
      else
        shared_flag=${wl}-bM:SRE'
      fi
    fi
    fi

    # It seems that -bexpall does not export symbols beginning with
    # underscore (_), so it is better to generate a list of symbols to export.
    _LT_AC_TAGVAR(always_export_symbols, $1)=yes
    if test "$Saix_use_runtimelinking" = yes; then
      # Warning - without using the other runtime loading flags (-brtl),
      # -berok will link without error, but may produce a broken library.
      _LT_AC_TAGVAR(allow_undefined_flag, $1)='-berok'
      # Determine the default libpath from the value encoded in an empty executable.
      _LT_AC_SYS_LIBPATH_AIX
      _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-blibpath:$libdir:"$aix_libpath"
      _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC" -o $output_objdir/$soname $libobjs $deplibs
      "$[wl]"$no_entry_flag" "$compiler_flags' if test "x$[allow_undefined_flag]" != "x"; then echo
      "$[wl]"$exp_sym_flag:$export_symbols $shared_flag"
    else
      if test "$host_cpu" = ia64; then
        _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-R $libdir:/usr/lib:/lib'
        _LT_AC_TAGVAR(allow_undefined_flag, $1)='-z nodefs'
        _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC $shared_flag" -o $output_objdir/$soname $libobjs
        $deplibs "$[wl]"$no_entry_flag" "$compiler_flags $[wl]"$[allow_undefined_flag]
        "$[wl]"$exp_sym_flag:$export_symbols"
      else
        # Determine the default libpath from the value encoded in an empty executable.
        _LT_AC_SYS_LIBPATH_AIX
        _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-blibpath:$libdir:"$aix_libpath"
        _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC" -o $output_objdir/$soname $libobjs
        $deplibs "$[wl]"$no_entry_flag" "$compiler_flags $[wl]"$[allow_undefined_flag]
        "$[wl]"$exp_sym_flag:$export_symbols"
      else
        # Warning - without using the other run time loading flags,
        # -berok will link without error, but may produce a broken library.
        _LT_AC_TAGVAR(no_undefined_flag, $1)=' ${wl}-bernotok'
        _LT_AC_TAGVAR(allow_undefined_flag, $1)=' ${wl}-berok'
        # Exported symbols can be pulled into shared objects from archives
        _LT_AC_TAGVAR(whole_archive_flag_spec, $1)="$convenience"
        _LT_AC_TAGVAR(archive_cmds_need_lc, $1)=yes
        # This is similar to how AIX traditionally builds its shared libraries.
_LT_AC_TAGVAR(archive_expsym_cmds, $1)=""$CC $shared_flag" -o $output_objdir/$soname $libobjs
$deplibs ${wl}-bnoretry $compiler_flags ${wl}-bE:$export_symbols${allow_undefined_flag}~$AR $AR_FLAGS
$output_objdir/$libname$release.a $output_objdir/$soname''
fi
fi
;

beos*)
if $LD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
  _LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
  # Joseph Beckenbach <jrb3@best.com> says some releases of gcc
  # support --undefined. This deserves some investigation. FIXME
  _LT_AC_TAGVAR(archive_cmds, $1)='$CC -nostart $libobjs $deplibs $compiler_flags ${wl}-soname
  $wl$soname -o $lib'
else
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
;
chorus*)
  case $cc_basename in
    *)
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      esac
    ;;
  cygwin* | mingw* | pw32*)
    # _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1) is actually meaningless,
    # as there is no search path for DLLs.
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
    _LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
    _LT_AC_TAGVAR(always_export_symbols, $1)=no
    _LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1)=yes
    if $LD --help 2>&1 | grep 'auto-import' > /dev/null; then
      _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs
      $postdep_objects $compiler_flags -o $output_objdir/$soname $wl--enable-auto-image-base -Xlinker --out-implib
      -Xlinker $lib'
      # If the export-symbols file already is a .def file (1st line
      # is EXPORTS), use it as is; otherwise, prepend...
      _LT_AC_TAGVAR(archive_expsym_cmds, $1)=if test "x$SSED 1q $export_symbols" = xEXPORTS; then
cp $export_symbols $output_objdir/$soname.def;
else
echo EXPORTS > $output_objdir/$soname.def;
cat $export_symbols >> $output_objdir/$soname.def;
fi--
Open Source Used In Unified Communications Manager 12.0(1)SU3

$CC -shared -nostdlib $output_objdir/$soname.def $predep_objects $libobjs $deplibs $postdep_objects
$compiler_flags -o $output_objdir/$soname ${wl}--enable-auto-image-base -Xlinker --out-implib -Xlinker $lib'
else
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
;;
darwin* | rhapsody*)
  _LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
  _LT_AC_TAGVAR(hardcode_direct, $1)=no
  _LT_AC_TAGVAR(hardcode_automatic, $1)=yes
  _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=unsupported
  _LT_AC_TAGVAR(whole_archive_flag_spec, $1)=""
  _LT_AC_TAGVAR(link_all_deplibs, $1)=yes
  _LT_AC_TAGVAR(allow_undefined_flag, $1)="$_lt_dar_allow_undefined"
ifeq "$SGXX" = yes : then
  output_verbose_link_cmd='echo'
  _LT_AC_TAGVAR(archive_cmds, $1)="/CC -dynamiclib $allow_undefined_flag -o "$lib $libobjs $deplibs
$compiler_flags -install_name $rpath/$soname $verstring $lt_dar_single_mod$$_lt_dsymutil"
  _LT_AC_TAGVAR(module_cmds, $1)="/CC $allow_undefined_flag -o "$lib -bundle $libobjs $deplibs
$compiler_flags$$_lt_dsymutil"
  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="sed 's,^,_,' < $export_symbols >
$output_objdir/$libname-symbols.exp$-sym-<CC $allow_undefined_flag -o "$lib $libobjs
$deplibs $compiler_flags -install_name $rpath/$soname $verstring
$_lt_dar_single_mod$$_lt_dar_export_syms$$_lt_dsymutil"
  _LT_AC_TAGVAR(module_expsym_cmds, $1)="sed -e 's,^,_,' < $export_symbols >
$output_objdir/$libname-symbols.exp=<$CC $allow_undefined_flag -o "$lib -bundle $libobjs $deplibs
$compiler_flags$_lt_dar_export_syms$$_lt_dsymutil"
ifeq "$lt_cv_apple_cc_single_mod" != "yes" : then
  _LT_AC_TAGVAR(archive_cmds, $1)="/CC -r -keep_private_externs -nostdlib -o "$lib-master.o
$libobjs $CC -dynamiclib $allow_undefined_flag -o "$lib $libobjs $deplibs $compiler_flags -install_name $rpath/$soname $verstring$_lt_dsymutil"
  _LT_AC_TAGVAR(module_cmds, $1)="/CC $allow_undefined_flag -o "$lib -bundle $libobjs $deplibs $compiler_flags$$_lt_dsymutil"
else
  case "$cc_basename" in
    xlc*)
    output_verbose_link_cmd='echo'
    _LT_AC_TAGVAR(archive_cmds, $1)="/CC -qmshrobj $wl-single_module $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags -install_name $wl-echo $rpath/$soname $xleverstring'
    _LT_AC_TAGVAR(module_cmds, $1)="/CC $allow_undefined_flag -o "$lib -bundle $libobjs $deplibs $compiler_flags'
    # Don't fix this by using the ld -exported_symbols_list flag, it doesn't exist in older darwin lds
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="sed -e "s,\.#,\.#,.\," -e "s,^\[\[,\[\[ -e "s,\(#,\(\),\)\," < $export_symbols > $output_objdir/$libname-symbols.exp$-sym-<CC -qmshrobj $wl-single_module $allow_undefined_flag -o "$lib $libobjs $deplibs $compiler_flags $wl-install_name $wl-$rpath/$soname
$xlverstring-nmedit -s $output_objdir/${libname}-symbols.expsym $lib'

  _LT_AC_TAGVAR(module_expsym_cmds, $1)=`sed -e "s,\.,,", -e "s,^\[\ ]*,", -e "s,\.,(\.*),\.,&", < $export_symbols > $output_objdir/${libname}-symbols.expsym`$CC $allow_undefined_flag -o $lib -bundle $libobjs $deplibs$compiler_flags-nmedit -s $output_objdir/${libname}-symbols.expsym $lib'

  ;;
  *)
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
  ;;
  esac
  fi
  ;;

dgux*)
  case $cc_basename in
    ec++*)
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      ghcx*)
      # Green Hills C++ Compiler
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      *)
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      esac
      ;;
  freebsd[[12]])
  # C++ shared libraries reported to be fairly broken before switch to ELF
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
  ;;
  freebsd-elf*)
  _LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
  ;;
  freebsd* | dragonfly*)
  # FreeBSD 3 and later use GNU C++ and GNU ld with standard ELF
  # conventions
  _LT_AC_TAGVAR(ld_shlibs, $1)=yes
  ;;
  gnu*)
  ;;
  hpxux9*)
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b ${wl}$libdir'
  _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
  _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-E'
  _LT_AC_TAGVAR(hardcode_direct, $1)=yes
case $cc_basename in
  CC*)
    # FIXME: insert proper C++ library support
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
  ;;
  aCC*)
  _LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/$soname-$CC -b $wl+b $wl$install_libdir -o
$output_objdir/$soname $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags~test
$output_objdir/$soname = $lib || mv $output_objdir/$soname $lib"
    # Commands to make compiler produce verbose output that lists
    # what "hidden" libraries, object files and flags are used when
    # linking a shared library.
    
    # There doesn't appear to be a way to prevent this compiler from
    # explicitly linking system object files so we need to strip them
    # from the output so that they don't get included in the library
    # dependencies.
    output_verbose_link_cmd='templist='($CC -b $CFLAGS -v conftest.$objext 2>&1) | grep "[-]L"; list=""; for z
in templist; do case $z in conftest.$objext) list="$list $z";; *.objext);; *) list="$list $z"; esac; done; echo $list'
  ;;
  *)
    if test "$GXX" = yes; then
      _LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/$soname-$CC -shared -nostdlib -fPIC $wl+b
$wl$install_libdir -o $output_objdir/$soname $predep_objects $libobjs $deplibs $postdep_objects
$compiler_flags~test $output_objdir/$soname = $lib || mv $output_objdir/$soname $lib"
        else
          _LT_AC_TAGVAR(ld_shlibs, $1)=no
        fi
    ;;
  esac
hpux10*|hpux11*)
  if test $with_gnu_ld = no; then
  _LT_AC_TAGVAR(hardcode_libdir_spec, $1)="$wl$libdir"
  _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
  case $host_cpu in
    hppa*64|ia64*) ;;
    *)
    _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="$wl-E"
      ;;
    esac
  fi
case $host_cpu in
  hppa*64*|ia64*)
    _LT_AC_TAGVAR(hardcode_direct, $1)=no
    _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
    ;;
    *)
    _LT_AC_TAGVAR(hardcode_direct, $1)=yes
    _LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
    # Not in the search PATH, # location of the library.
    ;;
  esac

  case $cc_basename in
    CC*)
    # FIXME: insert proper C++ library support
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    ;;
    aCC*)
    case $host_cpu in
      hppa*64*)
        _LT_AC_TAGVAR(archive_cmds, $1)='${CC -b ${wl}+h ${wl}$soname -o $lib $predep_objects $slibobjs $deplibs $postdep_objects $compiler_flags}'
        ;;
      ia64*)
        _LT_AC_TAGVAR(archive_cmds, $1)='${CC -b ${wl}+h ${wl}$soname ${wl}+nodefaultpath -o $lib $predep_objects $slibobjs $deplibs $postdep_objects $compiler_flags}'
        ;;
      *)
        _LT_AC_TAGVAR(archive_cmds, $1)='${CC -b ${wl}+h ${wl}$soname ${wl}+b ${wl}$install_libdir -o $lib $predep_objects $slibobjs $deplibs $postdep_objects $compiler_flags}'
        ;;
    esac
    esac
  esac

  # Commands to make compiler produce verbose output that lists
  # what "hidden" libraries, object files and flags are used when
  # linking a shared library.
  #
  # There doesn't appear to be a way to prevent this compiler from
  # explicitly linking system object files so we need to strip them
  # from the output so that they don't get included in the library
  # dependencies.
  output_verse_link_cmd='templist=('$(CC -b $CFLAGS -v conftest.$objext 2>&1) | grep "-L"; list=""; for z in $templist; do case $z in conftest.$objext) list="$list $z";; *.$objext) list="$list $z";; esac; done; echo $list';

  if test "$GXX" = yes; then
    if test $with_gnu_ld = no; then
      case $host_cpu in

hppa*64*)

_LT.AC_TAGVAR(archive_cmds, $1)="/CC-shared-nostdlib -fPIC $\{wl\}+h $\{wl\}$soname -o $\{lib\}
$predep_objects $\{slibobjs\} $deplibs $postdep_objects $\{compiler_flags\}'
::

ia64*)

_LT.AC_TAGVAR(archive_cmds, $1)="/CC-shared-nostdlib -fPIC $\{wl\}+h $\{wl\}$soname
$\{wl\}+nodefaultrpath -o $\{lib\} $predep_objects $\{slibobjs\} $deplibs $postdep_objects $\{compiler_flags\}'
:: *

_LT.AC_TAGVAR(archive_cmds, $1)="/CC-shared-nostdlib -fPIC $\{wl\}+h $\{wl\}$soname $\{wl\}+b
$\{wl\}install_libdir -o $\{lib\} $predep_objects $\{slibobjs\} $deplibs $postdep_objects $\{compiler_flags\}'
::

esac
fi
else

# FIXME: insert proper C++ library support
_LT.AC_TAGVAR(id_shlibs, $1)=no
fi
::
esc
::

interix[3-9]*)

_LT.AC_TAGVAR(hardcode_direct, $1)=no
_LT.AC_TAGVAR(hardcode_shlibpath_var, $1)=no
_LT.AC_TAGVAR(hardcode_libdir_flag_spec, $1)="/rpath,$\{libdir\}'
_LT.AC_TAGVAR(export_dynamic_flag_spec, $1)="/E'

# Hack: On Interix 3.x, we cannot compile PIC because of a broken gcc.
# Instead, shared libraries are loaded at an image base (0x10000000 by
# default) and relocated if they conflict, which is a slow very memory
# consuming and fragmenting process. To avoid this, we pick a random,
# 256 KiB-aligned image base between 0x50000000 and 0x6FFC0000 at link
# time. Moving up from 0x10000000 also allows more sbrk(2) space.
_LT.AC_TAGVAR(archive_cmds, $1)="/CC-shared $\{pic\}_flag $\{slibobjs\} $deplibs $\{compiler_flags\}$\{wl\}-
h,$\{soname\}$\{wl\}--image-base,'expr $\{RANDOM-$S$\} % 4096 / 2 * 262144 + 1342177280 -o $\{lib\}'
_LT.AC_TAGVAR(archive_expsym_cmds, $1)="sed "s,:,:rpath,$\{libdir\}," $\{exportsym\}_cmds, $\{output_objdir\}/$\{soname\}.expsym
>$\{output_objdir\}/$\{soname\}.expsym $\{wl\}--retain-symbols-file,$\{output_objdir\}/$\{soname\}.export $\{wl\}--image-base,'expr $\{RANDOM-$S$\} % 4096 / 2
\* 262144 + 1342177280 -o $\{lib\}'
::

irix5* | irix6*)

case $\{cc\}_basename in
CC*)
  # SGI C++
_LT.AC_TAGVAR(archive_cmds, $1)="/CC-shared -all-multigot $predep_objects $\{slibobjs\} $deplibs
$postdep_objects $\{compiler_flags\}$\{soname\} \$soname 'test -n "$\{verstring\}" && echo -set_version "$\{verstring\}" -update_registry $\{output_objdir\}/so_locations -o $\{lib\}'

# Archives containing C++ object files must be created using
"CC -ar", where "CC" is the IRIX C++ compiler. This is
necessary to make sure instantiated templates are included
in the archive.

```bash
_LT_AC_TAGVAR(old_archive_cmds, $1)="$CC -ar -WR,-u -o $oldlib $oldobjs"
;;
*)
if test "$GXX" = yes; then
  if test "$with_gnu_ld" = no; then
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $wl$soname $wl$set_version
$wl$verstring $wl$update_registry $wl$output_objdir$/so_locations -o $wl$lib"
  else
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $wl$soname $wl$set_version
$wl$verstring -o $wl$lib"
  fi
fi
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes
;;
esac
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath ${wl}$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

linux* | k*bsd*-gnu)
case $cc_basename in
  KCC*)
    # Kuck and Associates, Inc. (KAI) C++ Compiler
    # KCC will only create a shared library if the output file
    # ends with ".so" (or ".sl" for HP-UX), so rename the library
    # to its proper name (with version) after linking.
    _LT_AC_TAGVAR(archive_cmds, $1)="tempext='echo $shared_ext | $SED -e "s/\([^-0-9A-Za-z]*\)/\\\1/g\"';
templib='echo $libdir | $SED -e "s/$(tempext)/-\.*/so/"';
      $CC $predep_objects $libobjs $deplibs $postdep_objects
      $compiler_flags --soname $soname -o $templib; mv $templib $lib'
    _LT_AC_TAGVAR(expSYM_cmds, $1)="tempext='echo $shared_ext | $SED -e "s/\([^-0-9A-Za-z]*\)/\\\1/g\"';
templib='echo $lib | $SED -e "s/$(tempext)/-\.*/so/"';
      $CC $predep_objects $libobjs $deplibs $postdep_objects
      $compiler_flags --soname $soname -o $templib $wl$retain-symbols-file,$export_symbols; mv 
      $templib $lib"
#
# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
#
# There doesn't appear to be a way to prevent this compiler from
# explicitly linking system object files so we need to strip them
# from the output so that they don't get included in the library
# dependencies.

output_verbose_link_cmd='templist='$CC $CFLAGS -v conftest.$objext -o libconftest$shared_ext 2>&1 | grep "ld"; rm -f libconftest$shared_ext; list=""; for z in $templist; do case $z in
`
*.objext); *) list="$list $z"; esac; done; echo $list'

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$w1"--rpath,$libdir'
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="$w1"--export-dynamic'

# Archives containing C++ object files must be created using
# "CC -Bstatic", where "CC" is the KAI C++ compiler.
_LT_AC_TAGVAR(old_archive_cmds, $1)="$CC -Bstatic -o $oldlib $oldobjs''
;
  icpc*)
# Intel C++
with_gnu_id=YES
# version 8.0 and above of icpc choke on multiply defined symbols
# if we add $predep_objects and $postdep_objects, however 7.1 and
# earlier do not add the objects themselves.
case 'GCC -V 2>&1' in
  *"Version 7."*)
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $predep_objects $libobjs $deplibs $postdep_objects
$compiler_flags $[w1]-soname $wl$soname -o $lib'
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $[w1]-soname $wl$soname $[w1]-retain-symbols-file $wl$export_symbols -o
$lib'

;;
*) # Version 8.0 or newer
  tmp_idyn=
  case $host_cpu in
    ia64*) tmp_idyn=' -i_dynamic';;
  esac
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared "$tmp_idyn" $libobjs $deplibs $compiler_flags $[w1]-soname $wl$soname -o $lib'
  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared "$tmp_idyn" $libobjs $deplibs $compiler_flags
$[w1]-soname $wl$soname $[w1]-retain-symbols-file $wl$export_symbols -o $lib'

;;
esac
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$w1"-rpath,$libdir'
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="$w1"--export-dynamic'
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)="$w1"--whole-archive$convenience $[w1]--no-whole-archive'
;
pgCC* | pgcpp*)
# Portland Group C++ compiler
_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $[w1]-soname $wl$soname -o $lib'
_LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $[w1]-soname $wl$soname $[w1]-retain-symbols-file $wl$export_symbols -o $lib'

;;
esac
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$w1"-rpath,$libdir'
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="$w1"--export-dynamic'
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)="$w1"--whole-archive$convenience $[w1]--no-whole-archive'
;
pGCC* | pGcpp*)
# Portland Group C++ compiler
_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $[w1]-soname $wl$soname -o $lib'
_LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $[w1]-soname $wl$soname $[w1]-retain-symbols-file $wl$export_symbols -o $lib'

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$w1"-rpath $[w1]$libdir'

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LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}--export-dynamic'
LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}--whole-archive'
for conv in $convenience; do test -n "$conv" && new_convenience="$new_convenience,$conv"; done; $echo "$new_convenience"' ${wl}--no-whole-archive'

::
cxx*)
# Compaq C++
LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $wl$soname $wl$soname -o $lib'
LT_AC_TAGVAR(archive_expsym_cmds, $1)='$CC -shared $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $wl$soname $wl$soname -o $lib $wl$retain-symbols-file $wl$export_symbols'
runpath_var=LD_RUN_PATH
LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-rpath $libdir'
LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
#
# There doesn't appear to be a way to prevent this compiler from
# explicitly linking system object files so we need to strip them
# from the output so that they don't get included in the library
# dependencies.
output_verbose_link_cmd='templist="$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "ld""; templist="echo $templist | $SED "s/\(^.*ld.*\)\( .*ld .*$\)/\1/""; list=""; for z in $templist; do case $z in conftest.$objext) list="$list $z";; *.objext)) list="$list $z"; esac; done; echo $list'

;;
*)
case `$CC -V 2>&1 | sed 5q` in
*Sun\ C*)
# Sun C++ 5.9
LT_AC_TAGVAR(no_undefined_flag, $1)='-zdefs'
LT_AC_TAGVAR(archive_cmds, $1)='$CC -G${allow_undefined_flag} -h$soname -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'
LT_AC_TAGVAR(archive_expsym_cmds, $1)='$CC -G${allow_undefined_flag} -h$soname -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $wl$retain-symbols-file $wl$export_symbols'
LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R$libdir'
LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
for conv in $convenience; do test -z "$conv" || new_convenience="$new_convenience,$conv"; done; $echo "$new_convenience"' $wl'--no-whole-archive'

# Not sure whether something based on
# $CC SCFLAGS -v conftest.$objext -o libconftest$shared_ext 2>&1
# would be better.
output_verbose_link_cmd='echo'

---
# Archives containing C++ object files must be created using
# "CC -xar", where "CC" is the Sun C++ compiler. This is
# necessary to make sure instantiated templates are included
# in the archive.
_LT_AC_TAGVAR(old_archive_cmds, $1)="$CC -xar -o $oldlib $oldobjs"
;;
esac
;;
esac
;;
lynxos*)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
m88k*)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
mvs*)
case $cc_basename in
  cxx*)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
  *)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
esac
;;
netbsd*)
if echo __ELF__ | $CC -E - | grep __ELF__ > /dev/null; then
_LT_AC_TAGVAR(archive_cmds, $1)="$LD -Bshareable -o $lib $predep_objects $libobjs $postdep_objects $linker_flags $wlarc=
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R$libdir'
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
fi
# Workaround some broken pre-1.5 toolchains
output_verbose_link_cmd='$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep conftest.$objext | $SED -e "s:-lgcc -lc -lgcc::"'
;;
openbsd2*)
# C++ shared libraries are fairly broken
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
openbsd*)
if test -f /usr/libexec/ld.so; then
  _LT_AC_TAGVAR(hardcode_direct, $1)=yes
  _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags -o $lib"
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="${wl}-rpath,$libdir"
  if test -z "$echo __ELF__ | $CC -E - | grep __ELF__" || test "$host_os-$host_cpu" = "openbsd2.8-powerpc"; then
    _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags -o $lib"
    _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname -o $lib"
  fi
  output_verbose_link_cmd='echo'
else
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
  fi
  osf3*)
  case $cc_basename in
    KCC*)
      # Kuck and Associates, Inc. (KAI) C++ Compiler
      # KCC will only create a shared library if the output file
      # ends with ".so" (or ".sl" for HP-UX), so rename the library
      # to its proper name (with version) after linking.
      _LT_AC_TAGVAR(archive_cmds, $1)="tempext=`echo $shared_ext | $SED -e 's/\([0-9A-Za-z{}\[\]]\)/\\\1/g'`; templib=`echo $lib | $SED -e "s/\${tempext}\..*/.so/"`; $CC $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname -o $templib; mv $templib $lib"
      _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="${wl}-rpath,$libdir"
      _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
      # Archives containing C++ object files must be created using
      # "CC -Bstatic", where "CC" is the KAI C++ compiler.
      _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname -o $templib $lib"
      _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="/usr/bin/ld $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname -o $templib $lib"
      _LT_AC_TAGVAR(archive_cmds, $1)="$CC -Bstatic -o $oldlib $oldobjs"
      ;;
      RCC*)
      # Rational C++ 2.4.1
      #FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      cxx*)
  esac
  esac
  esac
  esac
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath ${wl}$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
#
# There doesn't appear to be a way to prevent this compiler from
# explicitly linking system object files so we need to strip them
# from the output so that they don't get included in the library
# dependencies.
output_verbose_link_cmd='templist='$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "ld" | grep -v "ld:"';
templist='echo $templist | $SED "s/\(^.*ld.*\)\( .*ld.*$\)/\1/"'; list=""; for z in $templist; do case $z in
conftest.$objext) list="$list $z";; *.$objext);; *) list="$list $z";;esac; done; echo $list'
;;
*)
if test "$GXX" = yes && test "$with_gnu_ld" = no; then
_LT_AC_TAGVAR(allow_undefined_flag, $1)=' ${wl}-expect_unresolved ${wl}\*'
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared -nostdlib ${allow_undefined_flag} $predep_objects
$libobjs $deplibs $postdep_objects $compiler_flags ${wl}-soname ${wl}$soname 'test -n "$verstring" && echo
${wl}-set_version ${wl}$verstring' ${wl}-update_registry ${wl}${output_objdir}/so_locations -o $lib'
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath ${wl}$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
output_verbose_link_cmd='$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "\-L"'
else
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
;;
esac
;;
osf4* | osf5*)
case $cc_basename in
KCC*)
# Kuck and Associates, Inc. (KAI) C++ Compiler
# KCC will only create a shared library if the output file
# ends with ".so" (or ".sl" for HP-UX), so rename the library
# to its proper name (with version) after linking.
_LT_AC_TAGVAR(archive_cmds, $1)='tempext='echo $shared_ext | $SED -e '\''s/\([[^()0-9A-Za-z{}]]\)/\\\\\1/g'\''';
templib='echo $lib | $SED -e "s/\${tempext}\..*/.so/"'; $CC $predep_objects $libobjs $deplibs $postdep_objects

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$compiler_flags --soname $soname -o \$templib; mv \$templib $lib'
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath,$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
# Archives containing C++ object files must be created using
# the KAI C++ compiler.
_LT_AC_TAGVAR(old_archive_cmds, $1)='$CC -o $oldlib $oldobjs'
;;
RCC*)
# Rational C++ 2.4.1
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
cxx*)
_LT_AC_TAGVAR(allow_undefined_flag, $1)=' -expect_unresolved \*'
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared${allow_undefined_flag} $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags -msym -soname $soname 'test -n "$verstring" && echo -set_version $verstring' update_registry ${output_objdir}/so_locations -o $lib'
_LT_AC_TAGVAR(archive_expsym_cmds, $1)='for i in 'cat $export_symbols'; do printf "%s %s\\n" exported_symbol "\$i" >> $lib.exp; done~
echo "-hidden">> $lib.exp~
$CC -shared$allow_undefined_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags -msym soname $soname -Wl,-input -Wl,$lib.exp 'test -n "$verstring" && echo -set_version$verstring' -update_registry
${output_objdir}/so_locations -o $lib~
$rm $lib.exp'
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-rpath $libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
#
# There doesn't appear to be a way to prevent this compiler from
# explicitly linking system object files so we need to strip them
# from the output so that they don't get included in the library
# dependencies.
output_verbose_link_cmd='templist='$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "ld" | grep -v "ld:"';
templist='echo $templist | $SED "s/\(^.*ld.*\)\( .*ld.*$\)/\1/"'; list=""; for z in $templist; do case $z in
conftest.$objext) list="$list $z";; *.$objext);; *) list="$list $z";;esac; done; echo $list'
;;
*)
if test "$GXX" = yes && test "$with_gnu_ld" = no; then
_LT_AC_TAGVAR(allow_undefined_flag, $1)=' ${wl}-expect_unresolved ${wl}\*'
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared -nostdlib ${allow_undefined_flag} $predep_objects $libobjs
$deplibs $postdep_objects $compiler_flags ${wl}-msym ${wl}-soname ${wl}$soname 'test -n "$verstring" &&
echo ${wl}-set_version ${wl}$verstring' ${wl}-update_registry ${wl}${output_objdir}/so_locations -o $lib'

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# Commands to make compiler produce verbose output that lists # what "hidden" libraries, object files and flags are used when # linking a shared library.

output_verbose_link_cmd="$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "^-L""

else
  # FIXME: insert proper C++ library support
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi

psos*)
  # FIXME: insert proper C++ library support
  _LT_AC_TAGVAR(ld_shlibs, $1)=no

sunos4*)
  case $cc_basename in
    CC*)
      # Sun C++ 4.x
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      lcc*)
      # Lucid
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      *)
      # FIXME: insert proper C++ library support
      _LT_AC_TAGVAR(ld_shlibs, $1)=no
      ;;
      esac
    ;;
  esac

solaris*)
  case $cc_basename in
    CC*)
      # Sun C++ 4.2, 5.x and Centerline C++
      _LT_AC_TAGVAR(archive_cmds_need_lc,$1)=yes
      _LT_AC_TAGVAR(no_undefined_flag, $1)='-zdefs'
      _LT_AC_TAGVAR(archive_cmds, $1)="$CC -G$[allow_undefined_flag] -h$soname -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $libobjs"$s/$s/(.*/)/l/" >> $lib.exp "$echo "local: $*;" >> $lib.exp~"
$CC -G{allow_undefined_flag} $[wl]-M $[wl]$lib.exp -h$soname -o $lib $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags-$rm $lib.exp'

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)=-R$libdir'
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no

case $host_os in
   solaris2.[[0-5]] | solaris2.[[0-5]].*) ;;
   *)
   # The compiler driver will combine and reorder linker options,
   # but understands '-z linker_flag'.
   # Supported since Solaris 2.6 (maybe 2.5.1?)
   _LT_AC_TAGVAR(whole_archive_flag_spec, $1)='-z allextract$convenience -z defaultextract'
   
   esac
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes

output_verbose_link_cmd='echo'

# Archives containing C++ object files must be created using
# "CC -xar", where "CC" is the Sun C++ compiler. This is
# necessary to make sure instantiated templates are included
# in the archive.
_LT_AC_TAGVAR(old_archive_cmds, $1)='CC -xar -o $oldlib $oldobjs'

;,
gcx*)
   # Green Hills C++ Compiler
   _LT_AC_TAGVAR(archive_cmds, $1)='CC -shared $predep_objects $libobjs $deplibs $postdep_objects
   $compiler_flags $[wl]-h $wl$soname -o $lib'

# The C++ compiler must be used to create the archive.
_LT_AC_TAGVAR(old_archive_cmds, $1)='CC $LDFLAGS -archive -o $oldlib $oldobjs'

;,
*)
# GNU C++ compiler with Solaris linker
if test "$GXX" = yes && test "$with_gnu_ld" = no; then
    _LT_AC_TAGVAR(no_undefined_flag, $1)='${wl}-z ${wl}defs'
if SCC --version | grep -v ^2.7 > /dev/null; then
    _LT_AC_TAGVAR(archive_cmds, $1)='CC -shared -nostdlib $LDFLAGS $predep_objects $libobjs $deplibs
    $postdep_objects $compiler_flags $[wl]-h $wl$soname -o $lib'
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)='Secho "( [global:" > $lib.exp~cat $export_symbols | $SED -e "s/(.*$)/\1/;" >> $lib.exp~Secho "local: *; } ;" >> $lib.exp~
    SCC -shared -nostdlib $[wl]-M $wl$lib.exp -o $lib $predep_objects $libobjs $deplibs $postdep_objects
    $compiler_flags-$rm $lib.exp'

    # Commands to make compiler produce verbose output that lists
    # what "hidden" libraries, object files and flags are used when
    # linking a shared library.
    output_verbose_link_cmd="CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "\"-L\""
    

else
# g++ 2.7 appears to require '-G' NOT '-shared' on this
# platform.
_LT_AC_TAGVAR(archive_cmds, $1)='#CC -G -nostdlib $LDFLAGS $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags ${wl}-h ${wl}$soname -o $lib'
_LT_AC_TAGVAR(archive_expsym_cmds, $1)='#echo "\{ global:" > $lib.exp~cat $export_symbols | $SED -e "s/(.*)/\1/" >> $lib.exp~echo "local: *; };" >> $lib.exp~
$CC -G -nostdlib $lib.exp -o $lib $predep_objects $libobjs $deplibs $deplibs $postdep_objects
$compiler_flags~$rm $lib.exp'

# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
output_verbose_link_cmd="$CC -G SCFLAGS -v conftest.$objext 2>&1 | grep "-L:""
fi

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-R ${wl}$libdir'
case $host_os in
solaris2.[0-5] | solaris2.[0-5].*) ;;
*)
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}-z ${wl}allextract$convenience ${wl}-z
${wl}-defaultextract'
;;
esac
fi
;;
esac
;;
syssv4uw2* | syssv5OpenUNIX* | syssv5UnixWare7.[01][10]* | unixware7* | sco3.2v5.0.[024]*)
_LT_AC_TAGVAR(no_undefined_flag, $1)='${wl}-z,text'
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
runpath_var='LD_RUN_PATH'

case $cc_basename in
CC*)
_LT_AC_TAGVAR(archive_cmds, $1)="$CC -G $(wl)-h,$soname -o $lib $libobjs $deplibs $compiler_flags'
_LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -G $(wl)-Bexport:$export_symbols $(wl)-h,$soname -o
$lib $libobjs $deplibs $deplibs $compiler_flags'
;;
*)
_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $(wl)-h,$soname -o $lib $libobjs $deplibs $compiler_flags'
_LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $(wl)-Bexport:$export_symbols $(wl)-h,$soname -o
$lib $libobjs $deplibs $deplibs $compiler_flags'
;;
esac
;;
syssv5* | sco3.2v5* | sco5v6*)
Note: We can NOT use -z defs as we might desire, because we do not link with -lc, and that would cause any symbols used from libc to always be unresolved, which means just about no library would ever link correctly. If we're not using GNU ld we use -z text though, which does catch some bad symbols but isn't as heavy-handed as -z defs.

For security reasons, it is highly recommended that you always use absolute paths for naming shared libraries, and exclude the DT_RUNPATH tag from executables and libraries. But doing so requires that you compile everything twice, which is a pain.

So that behaviour is only enabled if SCOABSPATH is set to a non-empty value in the environment. Most likely only useful for creating official distributions of packages.

This is a hack until libtool officially supports absolute path names for shared libraries.

```bash
_LT_AC_TAGVAR(no_undefined_flag, $1)='${wl}-z,text'
_LT_AC_TAGVAR(allow_undefined_flag, $1)='${wl}-z,nodefs'
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='test -z "$SCOABSPATH" && echo ${wl}-R,$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:'
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-Bexport'
runpath_var='LD_RUN_PATH'
```

case $cc_baseasename in
  CC*)
    _LT_AC_TAGVAR(archive_cmds, $1)='${CC -G ${wl}-h,$SCOABSPATH:+${install_libdir}/}$soname -o $lib $libobjs $deplibs $compiler_flags'
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)='${CC -G ${wl}-Bexport:$export_symbols ${wl}-h,$SCOABSPATH:+${install_libdir}/}$soname -o $lib $libobjs $deplibs $compiler_flags'
  ;;
  *)
    _LT_AC_TAGVAR(archive_cmds, $1)='${CC -shared ${wl}-h,$SCOABSPATH:+${install_libdir}/}$soname -o $lib $libobjs $deplibs $compiler_flags'
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)='${CC -shared ${wl}-Bexport:$export_symbols ${wl}-h,$SCOABSPATH:+${install_libdir}/}$soname -o $lib $libobjs $deplibs $compiler_flags'
  ;;
  esac
  ;;
  tandem*)
  case $cc_baseasename in
    NCC*)
    # NonStop-UX NCC 3.20
    # FIXME: insert proper C++ library support
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
  ;;
  *)
```
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
esac
;;
vxworks*)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
*)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
esac
AC_MSG_RESULT([$_LT_AC_TAGVAR(ld_shlibs, $1)])
test "$_LT_AC_TAGVAR(ld_shlibs, $1)" = no && can_build_shared=no

_LT_AC_TAGVAR(GCC, $1)="$GXX"
_LT_AC_TAGVAR(LD, $1)="$LD"

AC_LIBTOOL_POSTDEP_PREDEP($1)
AC_LIBTOOL_PROG_COMPILER_PIC($1)
AC_LIBTOOL_PROG_CC_C_O($1)
AC_LIBTOOL_SYS_HARD_LINK_LOCKS($1)
AC_LIBTOOL_PROG_LD_SHLIBS($1)
AC_LIBTOOL_SYS_DYNAMIC_LINKER($1)
AC_LIBTOOL_PROG_LD_HARDCODE_LIBPATH($1)

AC_LIBTOOL_CONFIG($1)

AC_LANG_POP
CC=\$lt_save_CC
LDCXX=\$LD
LD=\$lt_save_LD
GCC=\$lt_save_GCC
with_gnu_ldcxx=\$with_gnu_ld
with_gnu_ld=\$lt_save_with_gnu_ld
lt_cv_path_LDCXX=\$lt_cv_path_LD
lt_cv_path_LD=\$lt_save_path_LD
lt_cv_prog_gnu_ldcxx=\$lt_cv_prog_gnu_ld
lt_cv_prog_gnu_ld=\$lt_save_with_gnu_ld
J)# AC_LIBTOOL_LANG_CXX_CONFIG

# AC_LIBTOOL_POSTDEP_PREDEP([TAGNAME])
# -------------------------------
# Figure out "hidden" library dependencies from verbose
# compiler output when linking a shared library.
# Parse the compiler output and extract the necessary
# objects, libraries and library flags.
AC_DEFUN([AC_LIBTOOL_POSTDEP_PREDEP],
[AC_REQUIRE([LT_AC_PROG_SED])dnl
dnl we can't use the lt_simple_compile_test_code here,
dnl because it contains code intended for an executable,
dnl not a library. It's possible we should let each
dnl tag define a new lt_????_link_test_code variable,
dnl but it's only used here...
ifelse([$1],[[],[cat > conftest.$ac_ext <<EOF
int a;
void foo (void) { a = 0; }
EOF
],[,$1],[CXX],[cat > conftest.$ac_ext <<EOF
class Foo
{
public:
  Foo (void) { a = 0; }
private:
  int a;
};
EOF
],[,$1],[F77],[cat > conftest.$ac_ext <<EOF
  subroutine foo
    implicit none
    integer*4 a
    a=0
    return
  end
EOF
],[,$1],[GCJ],[cat > conftest.$ac_ext <<EOF
  public class foo {
    private int a;
    public void bar (void) {
      a = 0;
    }
  };
EOF
])
dnl Parse the compiler output and extract the necessary
dnl objects, libraries and library flags.
if AC_TRY_EVAL(ac_compile); then
  # Parse the compiler output and extract the necessary
  # objects, libraries and library flags.

  # Sentinel used to keep track of whether or not we are before
  # the conftest object file.
  pre_test_object_deps_done=no
for p in 'eval $output_verbose_link_cmd'; do
case $p in
    -L* | -R* | -l*)
        # Some compilers place space between "-{L,R}" and the path.
        # Remove the space.
        if test $p = "-L" \
        || test $p = "-R"; then
            prev=$p
            continue
        else
            prev=
        fi

        if test "$pre_test_object_deps_done" = no; then
case $p in
    -L* | -R*)
        # Internal compiler library paths should come after those
        # provided the user. The postdeps already come after the
        # user supplied libs so there is no need to process them.
        if test -z "$_LT_AC_TAGVAR(compiler_lib_search_path, $1)"; then
            _LT_AC_TAGVAR(compiler_lib_search_path, $1)="${prev}${p}"
        else
            _LT_AC_TAGVAR(compiler_lib_search_path, $1)="${_LT_AC_TAGVAR(compiler_lib_search_path, $1)} ${prev}${p}"
        fi
    esac
    esac
else
    if test -z "$_LT_AC_TAGVAR(postdeps, $1)"; then
        _LT_AC_TAGVAR(postdeps, $1)="${prev}${p}"
    else
        _LT_AC_TAGVAR(postdeps, $1)="${_LT_AC_TAGVAR(postdeps, $1)} ${prev}${p}"
    fi
fi
::
*.objext)
    # This assumes that the test object file only shows up
    # once in the compiler output.
    if test "$p" = "conftest.$objext"; then

pre_test_object_deps_done=yes
continue

if test "$pre_test_object_deps_done" = no; then
if test -z "$_LT_AC_TAGVAR(predep_objects, $1)"; then
   $_LT_AC_TAGVAR(predep_objects, $1)="$p"
else
   $_LT_AC_TAGVAR(predep_objects, $1)="$_LT_AC_TAGVAR(predep_objects, $1) $p"
fi
else
if test -z "$_LT_AC_TAGVAR(postdep_objects, $1)"; then
   $_LT_AC_TAGVAR(postdep_objects, $1)="$p"
else
   $_LT_AC_TAGVAR(postdep_objects, $1)="$_LT_AC_TAGVAR(postdep_objects, $1) $p"
fi
fi
fi

*); ;; # Ignore the rest.

esac
done

# Clean up.
rm -f a.out a.exe
else
   echo "libtool.m4: error: problem compiling $1 test program"
fi

$rm -f confest.$objext

$_LT_AC_TAGVAR(compiler_lib_search_dirs, $1)=
if test -n "$_LT_AC_TAGVAR(compiler_lib_search_path, $1)"; then
   $_LT_AC_TAGVAR(compiler_lib_search_dirs, $1)=`echo "$_LT_AC_TAGVAR(compiler_lib_search_dirs, $1)" | $SED -e 's! -L! !g' -e 's!^ ! !!'`
fi

# PORTME: override above test on systems where it is broken
ifelse([S1],[CXX],
[case $host_os in
interix[\[3-9\][^*])
   # Interix 3.5 installs completely hosed .la files for C++, so rather than
   # hack all around it, let's just trust "g++" to DTRT.
   $_LT_AC_TAGVAR(predep_objects,$1)=
   $_LT_AC_TAGVAR(postdep_objects,$1)=
   $_LT_AC_TAGVAR(postdeps,$1)=
   ;;
linux*)
case 'GCC -V 2>&1 | sed 5q' in
  *Sun\ C* )
    # Sun C++ 5.9
    # The more standards-conforming stlport4 library is
    # incompatible with the Cstd library. Avoid specifying
    # it if it's in CXXFLAGS. Ignore libCrun as
    # -library=stlport4 depends on it.
case " $CXX $CXXFLAGS " in
      *" -library=stlport4 "*")
        solaris_use_stlport4=yes
      ;;
    esac
if test "$solaris_use_stlport4" != yes; then
  _LT_AC_TAGVAR(postdeps,$1)='-library=Cstd -library=Crun'
fi
  ;;
esac
  ;;
solaris*)
case $cc_basename in
  CC*)
    # The more standards-conforming stlport4 library is
    # incompatible with the Cstd library. Avoid specifying
    # it if it's in CXXFLAGS. Ignore libCrun as
    # -library=stlport4 depends on it.
case " $CXX $CXXFLAGS " in
      *" -library=stlport4 "*")
        solaris_use_stlport4=yes
      ;;
    esac
    ;;
    esac
    ;;
]
  case " $_LT_AC_TAGVAR(postdeps, $1) " in
    *" -lc "*) _LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no ;;
esac
]
)="# AC_LIBTOOL_POSTDEP_PREDEP

# AC_LIBTOOL_LANG_F77_CONFIG
# --------------------------
# Ensure that the configuration vars for the C compiler are
# suitably defined. Those variables are subsequently used by
# AC_LIBTOOL_CONFIG to write the compiler configuration to 'libtool'.
AC_DEFUN([AC_LIBTOOL_LANG_F77_CONFIG], [LT_AC_LANG_F77_CONFIG(F77)])
AC_DEFUN([LT_AC_LANG_F77_CONFIG],
[AC_REQUIRE([AC_PROG_F77])]
AC_LANG_PUSH(Fortran 77)

_LT_AC_TAGVAR(archive_cmds_need_1c, $1)=no
_LT_AC_TAGVAR(allow_undefined_flag, $1)=
_LT_AC_TAGVAR(always_export_symbols, $1)=no
_LT_AC_TAGVAR(archive_expsym_cmds, $1)=
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)=
_LT_AC_TAGVAR(hardcode_direct, $1)=no
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)=
_LT_AC_TAGVAR(hardcode_libdir_flag_spec_ld, $1)=
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=
_LT_AC_TAGVAR(hardcode_minus_L, $1)=no
_LT_AC_TAGVAR(hardcode_automatic, $1)=no
_LT_AC_TAGVAR(module_cmds, $1)=
_LT_AC_TAGVAR(module_expsym_cmds, $1)=
_LT_AC_TAGVAR(link_all_deplibs, $1)=unknown
_LT_AC_TAGVAR(old_archive_cmds, $1)=$old_archive_cmds
_LT_AC_TAGVAR(no_undefined_flag, $1)=
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)=
_LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1)=no

# Source file extension for f77 test sources.
aext=f

# Object file extension for compiled f77 test sources.
oobjext=o
_LT_AC_TAGVAR(object, $1)=$objext

# Code to be used in simple compile tests
lt_simple_compile_test_code="
  subroutine t
  return
  end
-

# Code to be used in simple link tests
lt_simple_link_test_code="

program t
end

# ltmain only uses $CC for tagged configurations so make sure $CC is set.
_LT_AC_SYS_COMPILER

# save warnings/boilerplate of simple test code
_LT_COMPILER_BOILERPLATE
_LT_LINKER_BOILERPLATE

# Allow CC to be a program name with arguments.
lit_save_CC="$CC"
CC=${F77-"f77"}
compiler=$CC
_LT_AC_TAGVAR(compiler, $1)=$CC
_LT_CC_BASENAME([$compiler])

AC_MSG_CHECKING([if libtool supports shared libraries])
AC_MSG_RESULT([Scan_build_shared])

AC_MSG_CHECKING([whether to build shared libraries])
test "$can_build_shared" = "no" && enable_shared=no

# On AIX, shared libraries and static libraries use the same namespace, and
# are all built from PIC.
case $host_os in
  aix3*)
test "$enable_shared" = yes && enable_static=no
  fi
  ;;
aix([4-9]*)
  if test "$host_cpu" != i686 && test "$aix_use_runtimelinking" = no ; then
    test "$enable_shared" = yes && enable_static=no
  fi
  ;;
esac
AC_MSG_RESULT([Senable_shared])

AC_MSG_CHECKING([whether to build static libraries])
# Make sure either enable_shared or enable_static is yes.
test "$enable_shared" = yes || enable_static=yes
AC_MSG_RESULT([Senable_static])

_LT_AC_TAGVAR(GCC, $1)="$G77"
LT_AC_TAGVAR(LD, $1)="SLD"

AC_LIBTOOL_PROG_COMPILER_PIC($1)
AC_LIBTOOL_PROG_CC_C_O($1)
AC_LIBTOOL_SYS_HARD_LINK_LOCKS($1)
AC_LIBTOOL_PROG_LD_SHLIBS($1)
AC_LIBTOOL_SYS_DYNAMIC_LINKER($1)
AC_LIBTOOL_PROG_LD_HARDCODE_LIBPATH($1)

AC_LIBTOOL_CONFIG($1)

AC_LANG_POP
CC="$lt_save_CC"
))# AC_LIBTOOL_LANG_F77_CONFIG

# AC_LIBTOOL_LANG_GCJ_CONFIG
# ----------------------------------
# Ensure that the configuration vars for the C compiler are
# suitably defined. Those variables are subsequently used by
# AC_LIBTOOL_CONFIG to write the compiler configuration to 'libtool'.
AC_DEFUN([AC_LIBTOOL_LANG_GCJ_CONFIG], [_LT_AC_LANG_GCJ_CONFIG(GCJ)])
AC_DEFUN(\[lt_lang_save

# Source file extension for Java test sources.
ac_ext=java

# Object file extension for compiled Java test sources.
objext=o
_LT_AC_TAGVAR(objext, $1)=$objext

# Code to be used in simple compile tests
lt_simple_compile_test_code="class foo {}"

# Code to be used in simple link tests
lt_simple_link_test_code='public class conftest { public static void main(String[][] argv) { }; }'

# ltmain only uses $CC for tagged configurations so make sure $CC is set.
_LT_AC_SYS_COMPILER

# save warnings/boilerplate of simple test code
_LT_COMPILER_BOILERPLATE
_LT_LINKER_BOILERPLATE

# Allow CC to be a program name with arguments.
lt_save_CC="$CC"
CC=${GCJ-"gcj"}
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compiler=$CC
_LT_AC_TAGVAR(compiler, $1)=$CC
_LT_CC_BASENAME([$compiler])

# GCJ did not exist at the time GCC didn't implicitly link libc in.
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no

_LT_AC_TAGVAR(old_archive_cmds, $1)=$old_archive_cmds

AC_LIBTOOL_PROG_COMPILER_NO_RTTI($1)
AC_LIBTOOL_PROG_COMPILER_PIC($1)
AC_LIBTOOL_PROG_CC_C_O($1)
AC_LIBTOOL_SYS_HARD_LINK_LOCKS($1)
AC_LIBTOOL_PROG_LD_SHLIBS($1)
AC_LIBTOOL_SYS_DYNAMIC_LINKER($1)
AC_LIBTOOL_PROG_LD_HARDCODE_LIBPATH($1)

AC_LIBTOOL_CONFIG($1)

AC_LANG_RESTORE
CC="$lt_save_CC"
})# AC_LIBTOOL_LANG_GCJ_CONFIG

# AC_LIBTOOL_LANG_RC_CONFIG
# -------------------------
# Ensure that the configuration vars for the Windows resource compiler are
# suitably defined. Those variables are subsequently used by
# AC_LIBTOOL_CONFIG to write the compiler configuration to 'libtool'.
AC_DEFUN([AC_LIBTOOL_LANG_RC_CONFIG], [LT_AC_LANG_RC_CONFIG(RC)])
AC_DEFUN([LT_AC_LANG_RC_CONFIG], [AC_LANG_SAVE

# Source file extension for RC test sources.
ac_ext=rc

# Object file extension for compiled RC test sources.
objext=o
_LT_AC_TAGVAR(objext, $1)=$objext

# Code to be used in simple compile tests
lt_simple_compile_test_code='sample MENU { MENUITEM "&Soup", 100, CHECKED }'

# Code to be used in simple link tests
lt_simple_link_test_code="$lt_simple_compile_test_code"

# ltmain only uses $CC for tagged configurations so make sure $CC is set.
_LT_AC_SYS_COMPILER
# save warnings/boilerplate of simple test code
__LT_COMPILER_BOILERPLATE
__LT_LINKER_BOILERPLATE

# Allow CC to be a program name with arguments.
lt_save_CC="$CC"
CC=${RC-"windres"}
compiler=$CC
__LT_AC_TAGVAR(compiler, $1)=$CC
__LT_CC_BASENAME([$compiler])
__LT_AC_TAGVAR(lt_cv_prog_compiler_c_o, $1)=yes

AC_LIBTOOL_CONFIG($1)

AC_LANG_RESTORE
CC="$lt_save_CC"
)
# AC_LIBTOOL_LANG_RC_CONFIG

# AC_LIBTOOL_CONFIG([TAGNAME])
# ----------------------------
# If TAGNAME is not passed, then create an initial libtool script
# with a default configuration from the untagged config vars. Otherwise
# add code to config.status for appending the configuration named by
# TAGNAME from the matching tagged config vars.
AC_DEFUN([AC_LIBTOOL_CONFIG],
[# The else clause should only fire when bootstrapping the
# libtool distribution, otherwise you forgot to ship ltmain.sh
# with your package, and you will get complaints that there are
# no rules to generate ltmain.sh.
if test -f "$ltmain"; then
# See if we are running on zsh, and set the options which allow our commands through
# without removal of \ escapes.
if test -n "${ZSH_VERSION+set}" ; then
  setopt NO_GLOB_SUBST
fi
# Now quote all the things that may contain metacharacters while being
# careful not to overquote the AC_SUBSTed values. We take copies of the
# variables and quote the copies for generation of the libtool script.
for var in echo old_CC old_CFLAGS AR AR_FLAGS EGREP RANLIB LN_S LTCC LTCFLAGS NM SED SHELL_STRIP libname_spec library_names_spec soname_spec extract_expsyms_cmds old_striplib striplib file_magic_cmd finish_cmds finish_eval deplibs_check_method reload_flag reload_cmds need_locks lt_cv_sys_global_symbol_pipe lt_cv_sys_global_symbol_to_cdecl lt_cv_sys_global_symbol_to_c_name_address sys_lib_search_path_spec sys_lib_dlssearch_path_spec

old_postinstall_cmds old_postuninstall_cmds
  _LT_AC_TAGVAR(compiler, $1)\n  _LT_AC_TAGVAR(CC, $1)\n  _LT_AC_TAGVAR(LD, $1)\n  _LT_AC_TAGVAR(lt prog compiler wl, $1)\n  _LT_AC_TAGVAR(lt prog compiler pic, $1)\n  _LT_AC_TAGVAR(lt prog compiler static, $1)\n  _LT_AC_TAGVAR(lt prog compiler no builtin flag, $1)\n  _LT_AC_TAGVAR(export dynamic flag spec, $1)\n  _LT_AC_TAGVAR(thread safe flag spec, $1)\n  _LT_AC_TAGVAR(whole archive flag spec, $1)\n  _LT_AC_TAGVAR(enable shared with static runtimes, $1)\n  _LT_AC_TAGVAR(old archive cmds, $1)\n  _LT_AC_TAGVAR(old archive from new cmds, $1)\n  _LT_AC_TAGVAR(predep objects, $1)\n  _LT_AC_TAGVAR(postdep objects, $1)\n  _LT_AC_TAGVAR(predeps, $1)\n  _LT_AC_TAGVAR(postdeps, $1)\n  _LT_AC_TAGVAR(compiler lib search path, $1)\n  _LT_AC_TAGVAR(compiler lib search dirs, $1)\n  _LT_AC_TAGVAR(archive cmds, $1)\n  _LT_AC_TAGVAR(archive expsym cmds, $1)\n  _LT_AC_TAGVAR(postinstall cmds, $1)\n  _LT_AC_TAGVAR(postuninstall cmds, $1)\n  _LT_AC_TAGVAR(old archive from expsym objects, $1)\n  _LT_AC_TAGVAR(allow undefined flag, $1)\n  _LT_AC_TAGVAR(no undefined flag, $1)\n  _LT_AC_TAGVAR(export symbols cmds, $1)\n  _LT_AC_TAGVAR(hardcode libdir flag spec, $1)\n  _LT_AC_TAGVAR(hardcode libdir flag spec ld, $1)\n  _LT_AC_TAGVAR(hardcode libdir separator, $1)\n  _LT_AC_TAGVAR(hardcode automatic, $1)\n  _LT_AC_TAGVAR(module cmds, $1)\n  _LT_AC_TAGVAR(module expsym cmds, $1)\n  _LT_AC_TAGVAR(lt cv prog compiler c o, $1)\n  _LT_AC_TAGVAR(fix srcfile path, $1)\n  _LT_AC_TAGVAR(exclude expsym, $1)\n  _LT_AC_TAGVAR(include expsym, $1); do

  case $var in

    _LT_AC_TAGVAR(old archive cmds, $1) |
    _LT_AC_TAGVAR(old archive from new cmds, $1) |
    _LT_AC_TAGVAR(archive cmds, $1) |
    _LT_AC_TAGVAR(archive expsym cmds, $1) |
    _LT_AC_TAGVAR(module cmds, $1) |
    _LT_AC_TAGVAR(module expsym cmds, $1) |
    _LT_AC_TAGVAR(old archive from expsym objects, $1) |
    _LT_AC_TAGVAR(export symbols cmds, $1) |
extract_expsyms_cmds | reload_cmds | finish_cmds |
postinstall_cmds | postuninstall_cmds |
old_postinstall_cmds | old_postuninstall_cmds |
sys_lib_search_path_spec | sys_lib_dlssearch_path_spec)
# Double-quote double-evaled strings.
eval "lt_$var="\'\$echo "X$$var" | \$Xsed -e "\$double_quote_subst" -e \"\$sed_quote_subst" -e \"\$delay_variable_subst\"'\""
:: *
) eval "lt_$var="\'\$echo "X$$var" | \$Xsed -e "\$sed_quote_subst"'\""
:: esac done

case $lt_echo in
*'[$]0 --fallback-echo")
  lt_echo='$echo "X$lt_echo" | $Xsed -e 's/\\\\[$]0 --fallback-echo"\\[$]/\\[$]0 --fallback-echo"/*/''
  esac

ifelse([S1], [],
[cfgfile="${ofile}"T]
trap "$rm "$cfgfile"; exit 1 12 15
$rm -f "$cfgfile"
AC_MSG_NOTICE([creating Sofile]),
[cfgfile="Sofile")

  cat <<<_EOF__ >> "$cfgfile"
  ifelse([S1], [],
  [#! $SHELL
  # $echo "$cfgfile" | sed 's/\%\%/\%/' - Provide generalized library-building support services.
  # Generated automatically by $PROGRAM (GNU $PACKAGE $VERSION$TIMESTAMP)
  # NOTE: Changes made to this file will be lost: look at ltmain.sh.
  #
  # Free Software Foundation, Inc.
  #
  # This file is part of GNU Libtool:
  # Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>, 1996
  #
  # This program is free software; you can redistribute it and/or modify
  # it under the terms of the GNU General Public License as published by
  # the Free Software Foundation; either version 2 of the License, or
  # (at your option) any later version.
  #
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  # WITHOUT ANY WARRANTY; without even the implied warranty of
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# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
#
# As a special exception to the GNU General Public License, if you
# distribute this file as part of a program that contains a
# configuration script generated by Autoconf, you may include it under
# the same distribution terms that you use for the rest of that program.

# A sed program that does not truncate output.
SED=$lt_SED

# Sed that helps us avoid accidentally triggering echo(1) options like -n.
Xsed="$SED -e 1s/^X//"

# The HP-UX ksh and POSIX shell print the target directory to stdout
# if CDPATH is set.
(unset CDPATH) >/dev/null 2>&1 && unset CDPATH

# The names of the tagged configurations supported by this script.
available_tags=

# ### BEGIN LIBTOOL CONFIG],
[### BEGIN LIBTOOL TAG CONFIG: $tagname])

# Libtool was configured on host `'(hostname || uname -n) 2>/dev/null | sed 1q':

# Shell to use when invoking shell scripts.
SHELL=$lt_SHELL

# Whether or not to build shared libraries.
builtlibtool_libs=$enable_shared

# Whether or not to build static libraries.
builtold_libs=$enable_static

# Whether or not to add -lc for building shared libraries.
builtlibtool_need_lc=$_LT_AC_TAGVAR(archive_cmds_need_lc, $1)

# Whether or not to disallow shared libs when runtime libs are static
allowlibtool_libs_with_static_runtimes=$_LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1)

# Whether or not to optimize for fast installation.
fast_install=$enable_fast_install
# The host system.
host_alias=$host_alias
host=$host
host_os=$host_os

# The build system.
build_alias=$build_alias
build=$build
build_os=$build_os

# An echo program that does not interpret backslashes.
echo=$lt_echo

# The archiver.
AR=$lt_AR
AR_FLAGS=$lt_AR_FLAGS

# A C compiler.
LTCC=$lt_LTCC

# LTCC compiler flags.
LTCFLAGS=$lt_LTCCFLAGS

# A language-specific compiler.
CC=$lt][]_LT_AC_TAGVAR(compiler, $1)

# Is the compiler the GNU C compiler?
with_gcc=$_LT_AC_TAGVAR(GCC, $1)

# An ERE matcher.
EGREP=$lt_EGREP

# The linker used to build libraries.
LD=$lt][]_LT_AC_TAGVAR(LD, $1)

# Whether we need hard or soft links.
LN_S=$lt_LN_S

# A BSD-compatible nm program.
NM=$lt_NM

# A symbol stripping program
STRIP=$lt_STRIP

# Used to examine libraries when file_magic_cmd begins "file"
MAGIC_CMD=$SMAGIC_CMD

# Used on cygwin: DLL creation program.
DLLTOOL="$DLLTOOL"

# Used on cygwin: object dumper.
OBJDUMP="$OBJDUMP"

# Used on cygwin: assembler.
AS="$AS"

# The name of the directory that contains temporary libtool files.
objdir=$objdir

# How to create reloadable object files.
reload_flag=$lt_reload_flag
reload_cmds=$lt_reload_cmds

# How to pass a linker flag through the compiler.
wl=$lt_[]_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)

# Object file suffix (normally "o").
objext="$ac_objext"

# Old archive suffix (normally "a").
libext="$libext"

# Shared library suffix (normally ".so").
shrext_cmds='$shrext_cmds'

# Executable file suffix (normally "").
exeext="$exeext"

# Additional compiler flags for building library objects.
pic_flag=$lt_[]_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)
pic_mode=$pic_mode

# What is the maximum length of a command?
max_cmd_len=$lt_cv_sys_max_cmd_len

# Does compiler simultaneously support -c and -o options?
compiler_c_o=$lt_[]_LT_AC_TAGVAR(lt_cv_prog_compiler_c_o, $1)

# Must we lock files when doing compilation?
need_locks=$lt_need_locks

# Do we need the lib prefix for modules?
need_lib_prefix=$need_lib_prefix

# Do we need a version for libraries?
need_version=$need_version
# Whether dlopen is supported.
dlopen_support=$enable_dlopen

# Whether dlopen of programs is supported.
dlopen_self=$enable_dlopen_self

# Whether dlopen of statically linked programs is supported.
dlopen_self_static=$enable_dlopen_self_static

# Compiler flag to prevent dynamic linking.
link_static_flag=$lt[]_LT_AC_TAGVAR(lt_prog_compiler_static, $1)

# Compiler flag to turn off builtin functions.
o_no_builtin_flag=$lt[]_LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)

# Compiler flag to allow reflexive dlopens.
xport_dynamic_flag_spec=$lt[]_LT_AC_TAGVAR(xport_dynamic_flag_spec, $1)

# Compiler flag to generate shared objects directly from archives.
whole_archive_flag_spec=$lt[]_LT_AC_TAGVAR(whole_archive_flag_spec, $1)

# Compiler flag to generate thread-safe objects.
thread_safe_flag_spec=$lt[]_LT_AC_TAGVAR(thread_safe_flag_spec, $1)

# Library versioning type.
version_type=$version_type

# Format of library name prefix.
libname_spec=$lt_libname_spec

# List of archive names.  First name is the real one, the rest are links.
# The last name is the one that the linker finds with -lNAME.
library_names_spec=$lt_library_names_spec

# The coded name of the library, if different from the real name.
soname_spec=$lt_soname_spec

# Commands used to build and install an old-style archive.
RANLIB=$lt_RANLIB
old_archive_cmds=$lt[]_LT_AC_TAGVAR(old_archive_cmds, $1)
old_postinstall_cmds=$lt_old_postinstall_cmds
old_postuninstall_cmds=$lt_old_postuninstall_cmds

# Create an old-style archive from a shared archive.
old_archive_from_new_cmds=$lt[]_LT_AC_TAGVAR(old_archive_from_new_cmds, $1)

# Create a temporary old-style archive to link instead of a shared archive.
old_archive_from_expsyms_cmds=$lt_[]_LT_AC_TAGVAR(old_archive_from_expsyms_cmds, $1)

# Commands used to build and install a shared archive.
archive_cmds=$lt_[]_LT_AC_TAGVAR(archive_cmds, $1)
archive_expsym_cmds=$lt_[]_LT_AC_TAGVAR(archive_expsym_cmds, $1)
postinstall_cmds=$lt_postinstall_cmds
postuninstall_cmds=$lt_postuninstall_cmds

# Commands used to build a loadable module (assumed same as above if empty)
module_cmds=$lt_[]_LT_AC_TAGVAR(module_cmds, $1)
module_expsym_cmds=$lt_[]_LT_AC_TAGVAR(module_expsym_cmds, $1)

# Commands to strip libraries.
old_striplib=$lt_old_striplib
striplib=$lt_striplib

# Dependencies to place before the objects being linked to create a
# shared library.
predep_objects=$lt_[]_LT_AC_TAGVAR(predep_objects, $1)

# Dependencies to place after the objects being linked to create a
# shared library.
postdep_objects=$lt_[]_LT_AC_TAGVAR(postdep_objects, $1)

# Dependencies to place before the objects being linked to create a
# shared library.
predeps=$lt_[]_LT_AC_TAGVAR(predeps, $1)

# Dependencies to place after the objects being linked to create a
# shared library.
postdeps=$lt_[]_LT_AC_TAGVAR(postdeps, $1)

# The directories searched by this compiler when creating a shared
# library
compiler_lib_search_dirs=$lt_[]_LT_AC_TAGVAR(compiler_lib_search_dirs, $1)

# The library search path used internally by the compiler when linking
# a shared library.
compiler_lib_search_path=$lt_[]_LT_AC_TAGVAR(compiler_lib_search_path, $1)

# Method to check whether dependent libraries are shared objects.
deplibs_check_method=$lt_deplib_check_method

deplibs_check_method == file_magic.
file_magic_cmd=$lt_file_magic_cmd

# Flag that allows shared libraries with undefined symbols to be built.
allow_undefined_flag=$lt_[]_LT_AC_TAGVAR(allow_undefined_flag, $1)
# Flag that forces no undefined symbols.
no_undefined_flag=$lt_[[]]_LT_AC_TAGVAR(no_undefined_flag, $1)

# Commands used to finish a libtool library installation in a directory.
finish_cmds=$lt_finish_cmds

# Same as above, but a single script fragment to be evaled but not shown.
finish_eval=$lt_finish_eval

# Take the output of nm and produce a listing of raw symbols and C names.
global_symbol_pipe=$lt_lt_cv_sys_global_symbol_pipe

# Transform the output of nm in a proper C declaration
global_symbol_to_cdecl=$lt_lt_cv_sys_global_symbol_to_cdecl

# Transform the output of nm in a C name address pair
global_symbol_to_c_name_address=$lt_lt_cv_sys_global_symbol_to_c_name_address

# This is the shared library runtime path variable.
runpath_var=$runpath_var

# This is the shared library path variable.
shlibpath_var=$shlibpath_var

# Is shlibpath searched before the hard-coded library search path?
shlibpath_overrides_runpath=$shlibpath_overrides_runpath

# How to hardcode a shared library path into an executable.
hardcode_action=$_LT_AC_TAGVAR(hardcode_action, $1)

# Whether we should hardcode library paths into libraries.
hardcode_into_libs=$hardcode_into_libs

# Flag to hardcode \$libdir into a binary during linking.
# This must work even if \$libdir does not exist.
hardcode_libdir_flag_spec=$lt_[[]]_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)

# If ld is used when linking, flag to hardcode \$libdir into
# a binary during linking. This must work even if \$libdir does
# not exist.
hardcode_libdir_flag_spec_ld=$lt_[[]]_LT_AC_TAGVAR(hardcode_libdir_flag_spec_ld, $1)

# Whether we need a single -rpath flag with a separated argument.
hardcode_libdir_separator=$lt_[[]]_LT_AC_TAGVAR(hardcode_libdir_separator, $1)

# Set to yes if using DIR/libNAME${shared_ext} during linking hardcodes DIR into the
# resulting binary.
hardcode_direct=$LT_AC_TAGVAR(hardcode_direct, $1)

# Set to yes if using the -LDIR flag during linking hardcodes DIR into the
# resulting binary.
hardcode_minus_L=$LT_AC_TAGVAR(hardcode_minus_L, $1)

# Set to yes if using SHLIBPATH_VAR=DIR during linking hardcodes DIR into
# the resulting binary.
hardcode_shlibpath_var=$LT_AC_TAGVAR(hardcode_shlibpath_var, $1)

# Set to yes if building a shared library automatically hardcodes DIR into the library
# and all subsequent libraries and executables linked against it.
hardcode_automatic=$LT_AC_TAGVAR(hardcode_automatic, $1)

# Variables whose values should be saved in libtool wrapper scripts and
# restored at relink time.
variables_saved_for_relink="$variables_saved_for_relink"

# Whether libtool must link a program against all its dependency libraries.
link_all_deplibs=$LT_AC_TAGVAR(link_all_deplibs, $1)

# Compile-time system search path for libraries
sys_lib_search_path_spec=$lt_sys_lib_search_path_spec

# Run-time system search path for libraries
sys_lib_dlsearch_path_spec=$lt_sys_lib_dlsearch_path_spec

# Fix the shell variable \$srcfile for the compiler.
fix_srcfile_path=$lt_fix_srcfile_path

# Set to yes if exported symbols are required.
always_export_symbols=$LT_AC_TAGVAR(always_export_symbols, $1)

# The commands to list exported symbols.
export_symbols_cmds=$lt[]_LT_AC_TAGVAR(export_symbols_cmds, $1)

# The commands to extract the exported symbol list from a shared archive.
extract_expsyms_cmds=$lt_extract_expsyms_cmds

# Symbols that should not be listed in the preloaded symbols.
exclude_expsyms=$lt[]_LT_AC_TAGVAR(exclude_expsyms, $1)

# Symbols that must always be exported.
ineclude_expsyms=$lt[]_LT_AC_TAGVAR(include_expsyms, $1)

ifelse([$1],[],
[# ### END LIBTOOL CONFIG],
[# ### END LIBTOOL TAG CONFIG: $tagname])
ifelse([$1],[], [cased $host_os in
  aix3*)
cat <<EOF >> "$cfgfile"
# AIX sometimes has problems with the GCC collect2 program. For some
# reason, if we set the COLLECT_NAMES environment variable, the problems
# vanish in a puff of smoke.
if test "X$COLLECT_NAMES+set" != Xset; then
  COLLECT_NAMES=
  export COLLECT_NAMES
fi
EOF::
esac

# We use sed instead of cat because bash on DJGPP gets confused if
# if finds mixed CR/LF and LF-only lines. Since sed operates in
# text mode, it properly converts lines to CR/LF. This bash problem
# is reportedly fixed, but why not run on old versions too?
sed 'Sq "$ltmain" >> "$cfgfile" || (rm -f "$cfgfile"; exit 1)

mv -f "$cfgfile" "$ofile" || 
  (rm -f "$ofile" && cp "$cfgfile" "$ofile" && rm -f "$cfgfile")
chmod +x "$ofile"
]}
else
# If there is no Makefile yet, we rely on a make rule to execute
# 'config.status --recheck' to rerun these tests and create the
# libtool script then.
ltmain_in='echo $ltmain | sed -e s/\./\./g'
if test -f "$ltmain_in"; then
  test -f "$ltmain" && then
    test -f Makefile && make "$ltmain"
  fi
fi
])# AC_LIBTOOL_CONFIG

# AC_LIBTOOL_PROG_COMPILER_NO_RTTI([TAGNAME])
#-------------------------------------------
AC_DEFUN([AC_LIBTOOL_PROG_COMPILER_NO_RTTI],
[AC_REQUIRE([LT_AC_SYS_COMPILER])]

_LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)=

__EOF__
if test "$GCC" = yes; then
  _LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)=" -fno-builtin"

  AC_LIBTOOL_COMPILER_OPTION([if $compiler supports -fno-rtti -fno-exceptions],
  lt_cv_prog_compiler_rtti_exceptions,
  [-fno-rtti -fno-exceptions], [],
  _LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)="$_LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1) -fno-rtti -fno-exceptions")
fi
}

# AC_LIBTOOL_SYS_GLOBAL_SYMBOL_PIPE
# -----------------------------
AC_DEFUN([AC_LIBTOOL_SYS_GLOBAL_SYMBOL_PIPE],
[AC_REQUIRE([AC_CANONICAL_HOST])
AC_REQUIRE([LT_AC_PROG_SED])
AC_REQUIRE([AC_PROG_NM])
AC_REQUIRE([AC_OBJEXT])
# Check for command to grab the raw symbol name followed by C symbol from nm.
AC_MSG_CHECKING([command to parse $NM output from $compiler object])
AC_CACHE_VAL([lt_cv_sys_global_symbol_pipe],
  ['
  # These are sane defaults that work on at least a few old systems.
  # [They come from Ultrix. What could be older than Ultrix?! ;)]

  # Character class describing NM global symbol codes.
symcode='[BCDEGRST]'

  # Regexp to match symbols that can be accessed directly from C.
sympat='([^A-Za-z][A-Za-z0-9]*)''

  # Transform an extracted symbol line into a proper C declaration
lt_cv_sys_global_symbol_to_cdecl="sed -n -e 's/^. \*.* \*s/\"\1\", (lt_ptr) 0,}/p""

  # Transform an extracted symbol line into symbol name and symbol address
lt_cv_sys_global_symbol_to_c_name_address="sed -n -e 's/\([^\*]\)\*/\"\1\", (lt_ptr) \&\2,}/p""

  # Define system-specific variables.
case $host_os in
  aix*)
symcode='[BCDT]'
  ;;
cygwin* | mingw* | pw32*)
symcode='[ABCDEGISTW]'
  ;;
hpux*) # Its linker distinguishes data from code symbols
if test "$host_cpu" = ia64; then
    symcode='[[ABCDEGRST]]'
fi
lt_cv_sys_global_symbol_to_cdecl="sed -n -e 's/^T .* \([^\n\]*/ *$\1();/p' -e 's/^"[^\n\]*/ *char \1;/p'"
lt_cv_sys_global_symbol_to_c_name_address="sed -n -e 's/^: \([^\n\]*/ *{\"\1\", (lt_ptr) 0},/p' -e "[^\n\]*/ *{\"\2", (lt_ptr) \&\2},/p"

;_enemy
linux* | k*b*ns*-
gnu)
if test "$host_cpu" = ia64; then
    symcode='[[ABCDEGIRSTW]]'
    lt_cv_sys_global_symbol_to_cdecl="sed -n -e 's/^T .* \([^\n\]*/ *$\1();/p' -e 's/^"[^\n\]*/ *char \1;/p'"
    lt_cv_sys_global_symbol_to_c_name_address="sed -n -e 's/^: \([^\n\]*/ *{\"\1\", (lt_ptr) 0},/p' -e "[^\n\]*/ *{\"\2", (lt_ptr) \&\2},/p"
fi
;
irix* | nonstopux*)
symcode='[[BCDEGRST]]'
;
"osf*)
symcode='[[BCDEGQRST]]'
;
solaris*)
symcode='[[BDRT]]'
;
sco3.2v5*)
symcode='[[DT]]'
;
sysv4.2uw2*)
symcode='[[DT]]'
;
sysv5* | sco5v6* | unixware* | OpenUNIX*)
symcode='[[ABDT]]'
;
sysv4)
symcode='[[DFNSTU]]'
;
esac

# Handle CRLF in mingw tool chain
opt_cr=
case $build_os in
mingw*)
    opt_cr='echo \x\{0,1\} | tr x \015' # option cr in regexp
    ;;
esac


If we're using GNU nm, then use its standard symbol codes.

```bash
case `$NM -V 2>&1` in
  *GNU* | *'with BFD'*)
symcode='[[ABCDEFGIRSTW]]' ;;
esac
```

Try without a prefix underscore, then with it.

```bash
for ac_symprfx in "" "." ; do
  symxfrm="\1 $ac_symprfx\2 \2"
  lt_cv_sys_global_symbol_pipe="sed -n -e 's/^.*[[ 	]]\($symcode$symcode*\)[[ 	]]*$ac_symprfx$sympat$opt_cr/$symxfrm/p'"
  pipe_works=no
  rm -f conftest*
  cat > conftest.$ac_ext <<EOF
  #ifdef __cplusplus
  extern "C" {
  #endif
  char nm_test_var;
  void nm_test_func();
  #ifdef __cplusplus
  }
  #endif
  int main(){nm_test_var='a';nm_test_func();return(0);}
  EOF
  if AC_TRY_EVAL(ac_compile); then
    # Now try to grab the symbols.
    nlist=conftest.nm
    if AC_TRY_EVAL(NM conftest.$ac_objext | $lt_cv_sys_global_symbol_pipe > $nlist) && test -s "$nlist"; then
      # Try sorting and uniquifying the output.
      if sort "$nlist" | uniq > "$nlist"T; then
        mv -f "$nlist"T "$nlist"
      else
        rm -f "$nlist"T
      fi
    fi
    # Make sure that we snagged all the symbols we need.
    if grep ' nm_test_var$' "$nlist" > /dev/null; then
      if grep ' nm_test_func$' "$nlist" > /dev/null; then
        cat <<EOF > conftest.$ac_ext
        #ifdef __cplusplus
```
extern "C" {
#endif
}

EOF

/* Now generate the symbol file. */
eval "$lt_cv_sys_global_symbol_to_cdecl" < "$nlist" | grep -v main >> conftest.$ac_ext'

cat <<EOF >> conftest.$ac_ext
#if defined (__STDC__) && __STDC__
#define lt_ptr_t void *
#else
#define lt_ptr_t char *
define const
#endif
/* The mapping between symbol names and symbols. */
const struct {
    const char *name;
    lt_ptr_t address;
}
lt_preloaded_symbols[][] =
{
    EOF
    $SED "s/^$symcode$symcode* \((.*)\) \((.*)\)/ \{\"\2\", (lt_ptr_t) &\2\} /" < "$nlist" | grep -v main >> conftest.$ac_ext
    cat <<EOF >> conftest.$ac_ext
    {0, (lt_ptr_t) 0}
    \};
#endif _cplusplus
}
#endif

EOF

# Now try linking the two files.
mv conftest.$ac_objext conftstm.$ac_objext
lt_save_LIBS="$LIBS"
lt_save_CFLAGS="$CFLAGS"
LIBS="conftstm.$ac_objext"
CFLAGS="$CFLAGS$LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)"
if AC_TRY_EVAL(ac_link) && test -s conftest$ac_exeext; then
    pipe_works=yes
fi
LIBS="$lt_save_LIBS"
CFLAGS="$lt_save_CFLAGS"
else
    echo "cannot find nm_test_func in $nlist" >&AS_MESSAGE_LOG_FD
fi
else
echo "cannot find nm_test_var in $nlist" >&AS_MESSAGE_LOG_FD
else
echo "$lt_cv_sys_global_symbol_pipe" >&AS_MESSAGE_LOG_FD
fi
else
echo "$progname: failed program was:" >&AS_MESSAGE_LOG_FD
cat conftest.$ac_ext >&5
fi
rm -rf conftest* confst*

# Do not use the global_symbol_pipe unless it works.
if test "$pipe_works" = yes; then
  break
else
  lt_cv_sys_global_symbol_pipe=
fi
done
)
if test -z "$lt_cv_sys_global_symbol_pipe"; then
  lt_cv_sys_global_symbol_to_cdecl=
fi
if test -z "$lt_cv_sys_global_symbol_pipe$lt_cv_sys_global_symbol_to_cdecl"; then
  AC_MSG_RESULT(failed)
else
  AC_MSG_RESULT(ok)
fi
)

# AC_LIBTOOL_SYS_GLOBAL_SYMBOL_PIPE

# AC_LIBTOOL_PROG_COMPILER_PIC([TAGNAME])
# ---------------------------------------
AC_DEFUN([AC_LIBTOOL_PROG_COMPILER_PIC],
[_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)=
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)=
AC_MSG_CHECKING([for $compiler option to produce PIC])
ifelse($1),[CXX],[
# C++ specific cases for pic, static, wl, etc.
if test "$GXX" = yes; then
  _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
  _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-static'
case $host_os in
  aix*)
    # All AIX code is PIC.
    if test "$host_cpu" = ia64; then
AIX 5 now supports IA64 processor

```
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
fi
;

amigaos*)
# FIXME: we need at least 68020 code to build shared libraries, but
# adding the 'm68020' flag to GCC prevents building anything better,
# like 'm68040'.
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-m68020 -resident32 -malways-restore-a4'
;
beos* | irix5* | irix6* | nonstopux* | osf3* | osf4* | osf5*)
# PIC is the default for these OSes.
;
mingw* | cygwin* | os2* | pw32*)
# This hack is so that the source file can tell whether it is being
# built for inclusion in a dll (and should export symbols for example).
# Although the cygwin gcc ignores -fPIC, still need this for old-style
# (--disable-auto-import) libraries
m4_if([S1], [GCJ], [],
[LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-DDLL_EXPORT'])
;

darwin* | rhapsody*)
# PIC is the default on this platform
# Common symbols not allowed in MH_DYLIB files
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fno-common'
;
*djgpp*)
# DJGPP does not support shared libraries at all
 LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=
;
interix[[3-9]]*)
# Interix 3.x gcc -fpic/-fPIC options generate broken code.
# Instead, we relocate shared libraries at runtime.
;
sysv4*MP*)
if test -d /usr/nec; then
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=-Kconform_pic
fi
;
hpux*)
# PIC is the default for IA64 HP-UX and 64-bit HP-UX, but
# not for PA HP-UX.
case $host_cpu in
hppa*64*ia64*)
    *)
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
;
```
esac
::
*)
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
::
esac
else
  case $host_os in
    aix([4-9]*)
      # All AIX code is PIC.
      if test "$host_cpu" = ia64; then
        # AIX 5 now supports IA64 processor
        _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
      else
        _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-bnso -bI:/lib/syscalls.exp'
      fi
    ;;
    chorus*)
  case $cc_basename in
    cxch68*)
      # Green Hills C++ Compiler
      # _LT_AC_TAGVAR(lt_prog_compiler_static, $1)="--no-auto-instantiation -u __main -u __premain -u _abort -r SCOOL_DIR/lib/libOrb.a MVME_DIR/lib/CC/libC.a MVME_DIR/lib/classix/libcx.s.a"
    ;;
    esac
    ::
    darwin*)
      # PIC is the default on this platform
      # Common symbols not allowed in MH_DYLIB files
    case $cc_basename in
      xlc*)
        _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-qnocommon'
        _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,`
      ;;
      esac
    ;;
    dgux*)
  case $cc_basename in
    ec++)
      _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
    ;;
    ghcx*)
      # Green Hills C++ Compiler
      _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-pic'
    ;;
    *)
    ;;
esac
freebsd* | dragonfly*)
# FreeBSD uses GNU C++
::
::
::
::
hpux9* | hpux10* | hpux11*)
case $cc basename in
  CC*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='${wl}-a ${wl}archive'
    if test "$host_cpu" != ia64; then
      _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='+Z'
    fi
  aCC*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='${wl}-a ${wl}archive'
    case $host_cpu in
      hppa*64*|ia64*)
        # +Z the default
      ;;
      *)
        _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='+Z'
      ;;
    esac
  ;;
  *)
     esac
  esac
  interix*)
  # This is c89, which is MS Visual C++ (no shared libs)
  # Anyone wants to do a port?
  ::
  ::
    irix5* | irix6* | nonstopux*)
case $cc basename in
  CC*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
    # CC pic flag -KPIC is the default.
    ::
    *)
    ::
  esac
  ;;
  linux* | k*bsd*-gnu)
case $cc basename in
  KCC*)
  # KAI C++ Compiler
# Intel C++

case $cc_basename in
  icpc* | ecpc*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-static'
    ;;
  pgCC* | pgcpp*)
    # Portland Group C++ compiler.
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fpic'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
    ;;
  cxx*)
    # Compaq C++
    # Make sure the PIC flag is empty. It appears that all Alpha
    # Linux and Compaq Tru64 Unix objects are PIC.
    _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
    ;;
  *)
    case `$CC -V 2>&1 | sed 5q` in
    *Sun\ C*)
      _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
      _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
      _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Qoption ld '
      ;;
    esac
    esac
    ;;
    lynxos*)
    ;;
    m88k*)
    ;;
    mvs*)
    case $cc_basename in
      cxx*)
        _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-W c,exportall'
        ;;
      *)
        esac
        ;;
      netbsd*)
case $cc_basename in
    KCC*)
        _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='--backend -Wl,'
    ;;
    RCC*)
        # Rational C++ 2.4.1
        _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-pic'
    ;;
    cxx*)
        # Digital/Compaq C++
        _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
        # Make sure the PIC flag is empty. It appears that all Alpha
        # Linux and Compaq Tru64 Unix objects are PIC.
        _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=
        _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
    ;;
    *)
    ;;
    esac
    ;;
    psos*)
    ;;
    solaris*)
    case $cc_basename in
        CC*)
            # Sun C++ 4.2, 5.x and Centerline C++
            _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
            _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
            _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Qoption ld '
        ;;
        gcx*)
            # Green Hills C++ Compiler
            _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-PIC'
        ;;
        *)
        ;;
        esac
    ;;
    sunos4*)
    case $cc_basename in
        CC*)
            # Sun C++ 4.x
            _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-pic'
            _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
        ;;
        lcc*)
        esac
    ;;
# Lucid

```bash
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-pic'
;;
*)
;;
esac
;;

tandem*)
case $cc_basename in
  NCC*)
    # NonStop-UX NCC 3.20
    _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
    ;;
    *)
    ;;
esac
;;
```
sysv5* | unixware* | sco3.2v5* | sco5v6* | OpenUNIX*)
case $cc_basename in

```
  CC*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
    ;;
esac
;;
  vxworks*)
;;
  *)
    _LT_AC_TAGVAR(lt_prog_compiler_can_build_shared, $1)=no
    ;;
esac
fi
```

if test "$GCC" = yes; then
```bash
_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
```
case $host_os in
  aix*)
    # All AIX code is PIC.
    if test "$host_cpu" = ia64; then
      # AIX 5 now supports IA64 processor
      _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
    fi
    ;;
amigaos*)
# FIXME: we need at least 68020 code to build shared libraries, but
# adding the '-m68020' flag to GCC prevents building anything better,
# like '-m68040'.
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)= '-m68020 -resident32 -malways-restore-a4'
;;

beos* | irix5* | irix6* | nonstopux* | osf3* | osf4* | osf5*)
# PIC is the default for these OSes.
;;

mingw* | cygwin* | pw32* | os2*)
# This hack is so that the source file can tell whether it is being
# built for inclusion in a dll (and should export symbols for example).
# Although the cygwin gcc ignores -fPIC, still need this for old-style
# (--disable-auto-import) libraries
m4_if([$1], [GCJ], [],

[_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)= '-DDLL_EXPORT'])
;;

darwin* | rhapsody*)
# PIC is the default on this platform
# Common symbols not allowed in MH_DYLIB files
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)= '-fno-common'
;;

interix[[3-9]*]
# Interix 3.x gcc -fpic/-fPIC options generate broken code.
# Instead, we relocate shared libraries at runtime.
;;

msdosdjgpp*)
# Just because we use GCC doesn't mean we suddenly get shared libraries
# on systems that don't support them.
_LT_AC_TAGVAR(lt_prog_compiler_can_build_shared, $1)= no
enable_shared=no
;;

sysv4*MP*)
if test -d /usr/nec; then
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)= Kconform_pic
fi
;;

hpux*)
# PIC is the default for IA64 HP-UX and 64-bit HP-UX, but
# not for PA HP-UX.
case $host_cpu in
hppa*64*[ia64*)
# +Z the default
;; *
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
;; esac
;; *
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
;; esac
else
# PORTME Check for flag to pass linker flags through the system compiler.
case $host_os in
aix*)
_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
if test "$host_cpu" = ia64; then
# AIX 5 now supports IA64 processor
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
else
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-bnso -bI:/lib/syscalls.exp'
fi
;;
darwin*)
# PIC is the default on this platform
# Common symbols not allowed in MH_DYLIB files
case $cc_basename in
xlc*)
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-qnocommon'
_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
;;
esac
;;
mingw* | cygwin* | pw32* | os2*)
# This hack is so that the source file can tell whether it is being
# built for inclusion in a dll (and should export symbols for example).
m4_if([{$1}], [GCJ], [],
[LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-DDLL_EXPORT'])
;;

hpux9* | hpux10* | hpux11*)
_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
# PIC is the default for IA64 HP-UX and 64-bit HP-UX, but
# not for PA HP-UX.
case $host_cpu in
hppa*64*ia64*)
# +Z the default
;
*)
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='+Z'
;
esac
# Is there a better lt_prog_compiler_static that works with the bundled CC?
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='${wl}-a ${wl}archive'
;
irix5* | irix6* | nonstopux*)
_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
# PIC (with -KPIC) is the default.
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
;
newos6)
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
;
linux* | k*bsd*-gnu)
case $cc_basename in
  icc* | ecc*)
  _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
  _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
  _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-static'
  ;
  pgcc* | pgf77* | pgf90* | pgf95*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,' 
    # Portland Group compilers (*not* the Pentium gcc compiler, 
    # which looks to be a dead project)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fpic'
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
    ;
  ccc*)
    _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
    # All Alpha code is PIC.
    _LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
    ;
  *)
case 'SCC -V 2>&1 | sed 5q' in
*Sun\ C*)
# Sun C 5.9
_LT_AC_TAGVAR(lt_prog Compiler_pic, $1)='-KPIC'
_LT_AC_TAGVAR(lt_prog compiler static, $1)='-Bstatic'
_LT_AC_TAGVAR(lt_prog compiler_wl, $1)='-Wl,'
Sun Fortran 8.3 passes all unrecognized flags to the linker

```bash
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)=""
;
```
esac
;

esac
;

```bash
osf3* | osf4* | osf5*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
# All OSF/1 code is PIC.
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
;
```
rdos*)
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-non_shared'
;

solaris*)
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
case $cc_basename in
  f77* | f90* | f95*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Qoption ld ';;
*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl';;
```
esac
;

```bash
sunos4*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Qoption ld '
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-PIC'
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
;
```
sysv4 | sysv4.2uw2 | sysv4.3*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
;
```
sysv4*MP*)
if test -d /usr/nec ;then
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-Kconform_pic'
```
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
fi
;

sysv5* | unixware* | sco3.2v5* | sco5v6* | OpenUNIX*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-KPIC'
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
;
unicos*)
LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
LT_AC_TAGVAR(lt_prog_compiler_can_build_shared, $1)=no
;
uts4*)
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-pic'
LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-Bstatic'
;
*)
LT_AC_TAGVAR(lt_prog_compiler_can_build_shared, $1)=no
;
esac
fi
AC_MSG_RESULT([$LT_AC_TAGVAR(lt_prog_compiler_pic, $1)])

# Check to make sure the PIC flag actually works.
#
if test -n "$LT_AC_TAGVAR(lt_prog_compiler_pic, $1)"; then
    AC_LIBTOOL_COMPILER_OPTION([[if $compiler PIC flag $LT_AC_TAGVAR(lt_prog_compiler_pic, $1) works],
LT_AC_TAGVAR(lt_cv_prog_compiler_pic_works, $1),
[$LT_AC_TAGVAR(lt_prog_compiler_pic, $1)ifelse([$1],[,[ -DPIC],[ifelse([$1],[CXX],[ -DPIC],[[]])]), [[]].
]case $LT_AC_TAGVAR(lt_prog_compiler_pic, $1) in
"" | "") ;;
*) $LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=" $LT_AC_TAGVAR(lt_prog_compiler_pic, $1)" ;;
esac],
[LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=
LT_AC_TAGVAR(lt_prog_compiler_can_build_shared, $1)=no])
fi
case $host_os in
# For platforms which do not support PIC, -DPIC is meaningless:
*digpp*)
LT_AC_TAGVAR(lt_prog_compiler_pic, $1)=
;
# Check to make sure the static flag actually works.
#
wl=$_LT_AC_TAGVAR(lt_prog_compiler_wl, $1) eval
lt_tmp_static_flag="$_LT_AC_TAGVAR(lt_prog_compiler_static, $1)"
AC_LIBTOOL_LINKER_OPTION([if $compiler static flag $lt_tmp_static_flag works],
   _LT_AC_TAGVAR(lt_cv_prog_compiler_static_works, $1),
   $lt_tmp_static_flag,
   [],
   [_LT_AC_TAGVAR(lt_prog_compiler_static, $1)]=)
)

# AC_LIBTOOL_PROG_LD_SHLIBS([TAGNAME])
# ------------------------------------
# See if the linker supports building shared libraries.
AC_DEFUN([AC_LIBTOOL_PROG_LD_SHLIBS],
   [AC_REQUIRE([LT_AC_PROG_SED])dnl
   AC_MSG_CHECKING([whether the $compiler linker ($LD) supports shared libraries])
   ifelse([[$1]],[CXX],[
      _LT_AC_TAGVAR(export_symbols_cmds, $1)='$NM $libobjs $convenience | $global_symbol_pipe | $SED \
      //\n      sort | uniq > $export_symbols'
      export_symbols'
case $host_os in
    aix[4-9]*)
      # If we're using GNU nm, then we don't want the ".C" option.
      # .C means demangle to AIX nm, but means don't demangle with GNU nm
      if ["$NM -V" 2>&1 | grep 'GNU'] > /dev/null; then
         _LT_AC_TAGVAR(export_symbols_cmds, $1)="$NM -Bpg $libobjs $convenience | awk "
         \t({'if (((($2 == "T")
         \t\t(($2 == "D") \n         \t\t((($3,1,1) != ".") { print $3 } ))
         print $3 })\" | sort -u > $export_symbols'
      else
         _LT_AC_TAGVAR(export_symbols_cmds, $1)="$NM -Bpg $libobjs $convenience | awk "
         \t{'if (((($2 == "T")
         \t\t(($2 == "D") \n         \t\t((($3,1,1) != ".") { print $3 } ))
         print $3 })\" | sort -u > $export_symbols'
      fi
    ;;
pw32*)
      _LT_AC_TAGVAR(export_symbols_cmds, $1)="$ltdll_cmds"
    ;;
cygwin* | mingw*)
      _LT_AC_TAGVAR(export_symbols_cmds, $1)="$NM $libobjs $convenience | $global_symbol_pipe | $SED -e
      '\n      /\n      DATA/\n      DATA/\n      DATA/\n      sort | uniq > $export_symbols'
\LT_AC_TAGVAR(export_symbols_cmds, $1)="/\NM \$libobjs $convenience | $global_symbol_pipe | $SED \"/s/.* //\" | sort | uniq > $export_symbols"
::
esac
\LT_AC_TAGVAR(exclude_expsyms, $1)=\"[_GLOBAL_OFFSET_TABLE_|_GLOBAL__F[ID|.]*\"
]
runpath_var=
\LT_AC_TAGVAR(allow_undefined_flag, $1)=
\LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1)=no
\LT_AC_TAGVAR(archive_cmds, $1)=
\LT_AC_TAGVAR(old_archive_From_new_cmds, $1)=
\LT_AC_TAGVAR(export_dynamic_flag_spec, $1)=
\LT_AC_TAGVAR(whole_archive_flag_spec, $1)=
\LT_AC_TAGVAR(thread_safe_flag_spec, $1)=
\LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)=
\LT_AC_TAGVAR(hardcode_libdir_flag_spec_ld, $1)=
\LT_AC_TAGVAR(hardcode_libdir_separator, $1)=
\LT_AC_TAGVAR(hardcode_direct, $1)=no
\LT_AC_TAGVAR(hardcode_minus_L, $1)=no
\LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=unsupported
\LT_AC_TAGVAR(link_all_deplibs, $1)=unknown
\LT_AC_TAGVAR(hardcode_automatic, $1)=no
\LT_AC_TAGVAR(module_cmds, $1)=
\LT_AC_TAGVAR(always_export_symbols, $1)=no
\LT_AC_TAGVAR(export_symbols_cmds, $1)="/\NM \$libobjs $convenience | $global_symbol_pipe | $SED \"/s/.* //\" | sort | uniq > $export_symbols"
# include_expsyms should be a list of space-separated symbols to be *always*
# included in the symbol list
\LT_AC_TAGVAR(include_expsyms, $1)=
# exclude_expsyms can be an extended regexp of symbols to exclude
# it will be wrapped by '{' and '}', so one must not match beginning or
# end of line. Example: 'a[bc]*d.*' will exclude the symbols 'a' and 'bc',
# as well as any symbol that contains 'd'.
\LT_AC_TAGVAR(exclude_expsyms, $1)=\"[_GLOBAL_OFFSET_TABLE_|_GLOBAL__F[ID|.]*\"
# Although _GLOBAL_OFFSET_TABLE_ is a valid symbol C name, most a.out
# platforms (ab)use it in PIC code, but their linkers get confused if
# the symbol is explicitly referenced. Since portable code cannot
# rely on this symbol name, it's probably fine to never include it in
# preloaded symbol tables.
# Exclude shared library initialization/finalization symbols.
dnl Note also adjust exclude_expsyms for C++ above.
extract_expsyms_cmds=
# Just being paranoid about ensuring that cc_basename is set.
case $host_os in
  cygwin* | mingw* | pw32*)
    # FIXME: the MSVC++ port hasn't been tested in a loooong time
    # When not using gcc, we currently assume that we are using
    # Microsoft Visual C++.
    if test "$GCC" != yes; then
      with_gnu_ld=no
    fi
  ;;
  interix*)
    # we just hope/assume this is gcc and not c89 (= MSVC++)
    with_gnu_ld=yes
  ;;
  openbsd*)
    with_gnu_ld=no
  ;;
esac

_LT_AC_TAGVAR(ld_shlibs, $1)=yes
if test "$with_gnu_ld" = yes; then
  # If archive_cmds runs LD, not CC, wlarc should be empty
  wlarc=${wl}
# Set some defaults for GNU ld with shared library support. These
# are reset later if shared libraries are not supported. Putting them
# here allows them to be overridden if necessary.
runpath_var=LD_RUN_PATH
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="${wl}--rpath ${wl}$libdir"
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="${wl}--export-dynamic"
# ancient GNU ld didn't support --whole-archive et. al.
if $LD --help 2>&1 | grep 'no-whole-archive' > /dev/null; then
  _LT_AC_TAGVAR(whole_archive_flag_spec, $1)="${wl}--whole-archive$convenience "${wl}--no-whole-archive"
else
  _LT_AC_TAGVAR(whole_archive_flag_spec, $1)="${wl}--whole-archive$convenience "${wl}--no-whole-archive"
fi
supports_anon_versioning=no
case "$LD -v 2>/dev/null" in
  *
  *\([0-1]).. *\([0-9]).. *\(2.10\).* ;; # catch versions < 2.11
  *\(2.11.93\).* *) supports_anon_versioning=yes ;; # RH7.3 ...
  *\(2.11.92\).* *) supports_anon_versioning=yes ;; # Mandrake 8.2 ...
  *\(2.11\).* ;; # other 2.11 versions
  *) supports_anon_versioning=yes ;;
esac

# See if GNU ld supports shared libraries.
case $host_os in
aix([3-9])*
    # On AIX/PPC, the GNU linker is very broken
    if test "$host_cpu" != ia64; then
        _LT_AC_TAGVAR(ld_shlibs, $1)=no
        cat <<EOF 1>&2
*** Warning: the GNU linker, at least up to release 2.9.1, is reported
*** to be unable to reliably create shared libraries on AIX.
*** Therefore, libtool is disabling shared libraries support. If you
*** really care for shared libraries, you may want to modify your PATH
*** so that a non-GNU linker is found, and then restart.
EOF
        fi
    ;;

    amigaos*)
        _LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/a2ixlibrary.data~$echo "#define NAME $libname"
        > $output_objdir/a2ixlibrary.data~$echo "#define LIBRARY_ID 1" >> $output_objdir/a2ixlibrary.data~$echo "#define VERSION $major" >> $output_objdir/a2ixlibrary.data~$echo "#define REVISION $revision" >> $output_objdir/a2ixlibrary.data~$AR $AR_FLAGS $lib $libobjs~$RANLIB $lib~(cd $output_objdir && a2ixlibrary -32)'
        _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
        _LT_AC_TAGVAR(hardcode_minus_L, $1)=yes

        # Samuel A. Falvo II <kc5tja@dolphin.openprojects.net> reports
        # that the semantics of dynamic libraries on AmigaOS, at least up
        # to version 4, is to share data among multiple programs linked
        # with the same dynamic library. Since this doesn't match the
        # behavior of shared libraries on other platforms, we can't use
        # them.
        _LT_AC_TAGVAR(ld_shlibs, $1)=no
    ;;

    beos*)
        if $LD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
            _LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
            # Joseph Beckenbach <jrb3@best.com> says some releases of gcc
            # support --undefined. This deserves some investigation. FIXME
            _LT_AC_TAGVAR(archive_cmds, $1)="$CC -nostart $libobjs $deplibs $compiler_flags ${wl}-soname $wl$soname -o $lib'
            $wl$soname -o $lib'
        else
            _LT_AC_TAGVAR(ld_shlibs, $1)=no
            fi
        ;;

    cygwin* | mingw* | pw32*)
        # _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1) is actually meaningless,
# as there is no search path for DLLs.

LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
LT_AC_TAGVAR(always_export_symbols, $1)=no
LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1)=yes
LT_AC_TAGVAR(export_symbols_cmds, $1)='`NM $libobjs $convenience | $global_symbol_pipe | $SED -e "s/^[BCDGRS][ ][ ]/\1 DATA/" -e "s/^[AITW][ ][ ]//" | sort | uniq > $export_symbols`

if SLD --help 2>&1 | grep 'auto-import' > /dev/null; then
  LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared $libobjs $deplibs $compiler_flags -o $output_objdir/$soname $w1--enable-auto-image-base -Xlinker --out-implib -Xlinker $lib'
  # If the export-symbols file already is a .def file (1st line
  # is EXPORTS), use it as is; otherwise, prepend...
  LT_AC_TAGVAR(archive_expsym_cmds, $1)='if test "x'$SED 1q $export_symbols'" = xEXPORTS; then
cp $export_symbols $output_objdir/$soname.def;
else
echo EXPORTS > $output_objdir/$soname.def;
cat $export_symbols >> $output_objdir/$soname.def;
fi~
$CC -shared $output_objdir/$soname.def $libobjs $deplibs $compiler_flags -o $output_objdir/$soname $w1--enable-auto-image-base -Xlinker --out-implib -Xlinker $lib'
else
  LT_AC_TAGVAR(ld_shlibs, $1)=no
  if...
fi

interix[[3-9]]*)

LT_AC_TAGVAR(hardcode_direct, $1)=no
LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${w1}-rpath,$libdir'
LT_AC_TAGVAR(extract_dynamic_flag_spec, $1)='${w1}-E'

# Hack: On Interix 3.x, we cannot compile PIC because of a broken gcc.
# Instead, shared libraries are loaded at an image base (0x10000000 by
# default) and relocated if they conflict, which is a slow very memory
# consuming and fragmenting process. To avoid this, we pick a random,
# 256 KiB-aligned image base between 0x50000000 and 0x6FFC0000 at link
# time. Moving up from 0x10000000 also allows more sbrk(2) space.

LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared $pic_flag $libobjs $deplibs $compiler_flags $w1-h,$soname $w1--image-base,expr $RANDOM-$S$ % 4096 / 2 ^* 262144 + 1342177280 -o $lib'~
LT_AC_TAGVAR(archive_expsym_cmds, $1)='sed "s,^,_," $export_symbols
> $output_objdir/$soname.expsym "$CC -shared $pic_flag $libobjs $deplibs $compiler_flags $w1-h,$soname $w1--retain-symbols-file,$output_objdir/$soname.expsym $w1--image-base,expr $RANDOM-$S$ % 4096 / 2 ^* 262144 + 1342177280 -o $lib'

if SLD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
tmp_addflag=

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case $cc_basename,$host_cpu in
pgcc*)
				# Portland Group C compiler
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}--whole-archive'
for conv in $convenience"";
do
test -n "$conv" && new_convenience="$new_convenience,$conv";
done;
$echo "$new_convenience"' ${wl}--no-whole-archive'
	tmp_addflag=' $pic_flag'
;;
pgf77* | pgf90* | pgf95*)
# Portland Group f77 and f90 compilers
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}--whole-archive'
for conv in $convenience"";
do
test -n "$conv" && new_convenience="$new_convenience,$conv";
done;
$echo "$new_convenience"' ${wl}--no-whole-archive'
tmp_addflag=' $pic_flag -Mnomain' ;;
ecc*,ia64* | icc*,ia64*)
# Intel C compiler on ia64
	tmp_addflag=' -i_dynamic' ;;
efc*,ia64* | ifort*,ia64*)
# Intel Fortran compiler on ia64
	tmp_addflag=' -i_dynamic -nofor_main' ;;
ifc* | ifort*)
# Intel Fortran compiler
	tmp_addflag=' -nofor_main' ;;
esac

if test $supports_anon_versioning = yes; then
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}--whole-archive'
for conv in $convenience"";
do
test -n "$conv" && new_convenience="$new_convenience,$conv";
done;
$echo "$new_convenience"' ${wl}--no-whole-archive'
	tmp_sharedflag= '-G' ;;
Sun\C*)
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}--whole-archive'
for conv in $convenience"";
do
test -z "$conv" || new_convenience="$new_convenience,$conv";
done;
$echo "$new_convenience"' ${wl}--no-whole-archive'
	tmp_sharedflag= '-G' ;;
Sun\F*)
# Sun Fortran 8.3
	tmp_sharedflag= '-G' ;;
*)
	tmp_sharedflag= '-shared' ;;
esac

if test $supports_anon_versioning = yes; then
_LT_AC_TAGVAR(archive_cmds, $1)="$CC ""$tmp_sharedflag""$tmp_addflag" "$libobjs $deplibs $compiler_flags ${wl}-soname $wl$soname -o $lib'
fi

else
_LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
;;

if echo __ELF__ | $CC -E - | grep __ELF__ >/dev/null; then
_LT_AC_TAGVAR(archive_cmds, $1)="$CC "$tmp_sharedflag" "$tmp_addflag" "$libobjs $deplibs $compiler_flags ${wl}-soname $wl$soname -o $lib'
fi

else
_LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
;;
wlarc=
else
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname
  $wl$soname -o $lib"
  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname
  $wl$soname ${wl}-retain-symbols-file $wl$export_symbols -o $lib"
  fi
  ;;

solaris*)
  if $LD -v 2>&1 | grep 'BFD 2\<.8' > /dev/null; then
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
  cat <<EOF 1>&2
*** Warning: The releases 2.8.* of the GNU linker cannot reliably
*** create shared libraries on Solaris systems. Therefore, libtool
*** is disabling shared libraries support. We urge you to upgrade GNU
*** binutils to release 2.9.1 or newer. Another option is to modify
*** your PATH or compiler configuration so that the native linker is
*** used, and then restart.
EOF

  elif $LD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname
    $wl$soname -o $lib"
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname
    $wl$soname ${wl}-retain-symbols-file $wl$export_symbols -o $lib"
  else
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    fi
    ;;

  sysv5* | sco3.2v5* | sco5v6* | unixware* | OpenUNIX*)
  case 'SLD -v 2>&1' in
    *
      \([01]\).* | \(2.[0-9].\).* | \(2.1[0-5].\)*)
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    cat <<_LT_EOF 1>&2

 *** Warning: Releases of the GNU linker prior to 2.16.91.0.3 can not
 *** reliably create shared libraries on SCO systems. Therefore, libtool
 *** is disabling shared libraries support. We urge you to upgrade GNU
 *** binutils to release 2.16.91.0.3 or newer. Another option is to modify
 *** your PATH or compiler configuration so that the native linker is
 *** used, and then restart.

 _LT_EOF
    ;;
  *)
if $LD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="test -z "$SCOABS Path" && echo ${wl}-rpath,$libdir"
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname,$lib
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname,${SCOABS Path}+$install_libdir/$soname -retain-symbols-file,$export_symbols -o $lib"
else
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
;
;;

sunos4*)
    _LT_AC_TAGVAR(archive_cmds, $1)="$LD -assert pure-text -Bshareable -o $lib $libobjs $deplibs $linker_flags"
   wlarc=
    _LT_AC_TAGVAR(hardcode_direct, $1)=yes
    _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
    ;;

*)
    if $LD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
        _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname $soname -o $lib"
        _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname $soname -retain-symbols-file $soname -o $lib"
    else
        _LT_AC_TAGVAR(ld_shlibs, $1)=no
        fi
    fi

    esac

if test "$_LT_AC_TAGVAR(ld_shlibs, $1)" = no; then
    runpath_var=
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="
    _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)="
    _LT_AC_TAGVAR(whole_archive_flag_spec, $1)="
    fi
else
    # PORTME fill in a description of your system’s linker (not GNU ld)
    case $host_os in
        aix3*)
            _LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
            _LT_AC_TAGVAR(always_export_symbols, $1)=yes
            _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$LD -o $output_objdir/$soname $libobjs $deplibs $linker_flags -bE:$export_symbols -T512 -H512 -bM:SRE~$AR $AR_FLAGS $lib $output_objdir/$soname"
            # Note: this linker hardcodes the directories in LIBPATH if there

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# are no directories specified by -L.
_NLAC_TAGVAR(hardcode_minus_L, $1)=yes
if test "$GCC" = yes && test -z "$lt_prog_compiler_static"; then
# Neither direct hardcoding nor static linking is supported with a
# broken collect2.
_NLAC_TAGVAR(hardcode_direct, $1)=unsupported
fi

aix([4-9]*)
if test "$host_cpu" = ia64; then
# On IA64, the linker does run time linking by default, so we don't
# have to do anything special.
aix_use_runtimelinking=no
exp_sym_flag='-Bexport'
no_entry_flag=""
else
# If we're using GNU nm, then we don't want the ".C" option.
# -C means demangle to AIX nm, but means don't demangle with GNU nm
if $NM -V > /dev/null; then
    _NLAC_TAGVAR(export_symbols_cmds, $1)='$NM -Bpg $libobjs $convenience | awk \"{ if (((\[$2 == "T") || (\[$2 == "D") || (\[$2 == "B") && ([substr](\[$3,1,1) != ".") ) } print \[$3 \} )" | sort -u > $export_symbols'
else
    _NLAC_TAGVAR(export_symbols_cmds, $1)='$NM -BCpg $libobjs $convenience | awk \"{ if (((\[$2 == "T") || (\[$2 == "D") || (\[$2 == "B") && ([substr](\[$3,1,1) != ".") ) } print \[$3 \} )" | sort -u > $export_symbols'
fi
aix_use_runtimelinking=no

# Test if we are trying to use run time linking or normal
# AIX style linking. If -brtl is somewhere in LDFLAGS, we
# need to do runtime linking.
case $host_os in aix4.[23]|aix4.[23]*|aix.[5-9]*)
    for ld_flag in $LDFLAGS; do
        if (test $ld_flag = "-brtl" || test $ld_flag = ":brtl"); then
            aix_use_runtimelinking=yes
            break
        fi
    done
    ;;
esac
exp_sym_flag='-bexport'
no_entry_flag='-bnoentry'

# When large executables or shared objects are built, AIX ld can
# have problems creating the table of contents. If linking a library
# or program results in "error TOC overflow" add -mmimal-to
# CXXFLAGS/CFLAGS for g++/gcc. In the cases where that is not
# enough to fix the problem, add -Wl,-bbigtoc to LDFLAGS.

__LT_AC_TAGVAR(archive_cmds, $1)=""
__LT_AC_TAGVAR(hardcode_direct, $1)=yes
__LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
__LT_AC_TAGVAR(link_all_deplibs, $1)=yes

if test "$GCC" = yes; then
case $host_os in
  aix4.[012] | aix4.[012].*)
    # We only want to do this on AIX 4.2 and lower, the check
    # below for broken collect2 doesn't work under 4.3+
    collect2name='${CC} -print-prog-name=collect2'
    if test -f "$collect2name" &&
      strings "$collect2name" | grep resolve_lib_name >/dev/null
    then
      # We have reworked collect2
      :
    else
      # We have old collect2
      __LT_AC_TAGVAR(hardcode_direct, $1)=unsupported
      # It fails to find uninstalled libraries when the uninstalled
      # path is not listed in the libpath. Setting hardcode_minus_L
      # to unsupported forces relinking
      __LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
      __LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-LSlibdir'
      __LT_AC_TAGVAR(hardcode_libdir_separator, $1)=
      fi
    ;;
esac
fi

shared_flag='--shared'
if test "$aix_use_runtimelinking" = yes; then
  shared_flag="$shared_flag "$wl"-G"
fi
else
  # not using gcc
  if test "$host_cpu" = ia64; then
    # VisualAge C++, Version 5.5 for AIX 5L for IA-64, Beta 3 Release
    # chokes on -Wl,-G. The following line is correct:
    shared_flag='--G'
  else
    if test "$aix_use_runtimelinking" = yes; then
      shared_flag="${wl}-G"
    else
      shared_flag="${wl}-bM:SRE"
    fi
  fi
fi
# It seems that -bexpall does not export symbols beginning with
# underscore (_), so it is better to generate a list of symbols to export.
.atomic_export_symbols, $1)=yes
if test "$aix_use_runtimelinking" = yes; then
# Warning - without using the other runtime loading flags (-brtl),
.atomicundefined_flag, $1)='-berok'
# Determine the default libpath from the value encoded in an empty executable.
.atomic_SYS_LIBPATH_AIX
.atomic(libdir_flag_spec, $1)="$[wl]-blibpath:$libdir:"$aix_libpath"
.atomic(archive_expsym_cmds, $1)="$CC" -o $output_objdir/$soname $libobjs $deplibs
"$[wl]$no_entry_flag" $compiler_flags if test "x$[allow_undefined_flag]" != "x"; then echo
"$[wl]$exp_sym_flag:$export_symbols $shared_flag"
else fi
$[wl]${allow_undefined_flag}
# Exported symbols can be pulled into shared objects from archives
.atomic(whole_archive_flag_spec, $1)='$convenience'
.atomic(archive_cmds_need_lc, $1)=yes
# This is similar to how AIX traditionally builds its shared libraries.
.atomic(archive_expsym_cmds, $1)="$CC $shared_flag" -o $output_objdir/$soname $libobjs
$deplibs "$[wl]$no_entry_flag" $compiler_flags $([wl]${allow_undefined_flag})
"$[wl]$exp_sym_flag:$export_symbols"
else
# Determine the default libpath from the value encoded in an empty executable.
.atomic_SYS_LIBPATH_AIX
.atomic(libdir_flag_spec, $1)="$[wl]-blibpath:$libdir:"$aix_libpath"
# Warning - without using the other run time loading flags,
# -berok will link without error, but may produce a broken library.
.atomic(no_undefined_flag, $1)=' ${wl}-bernotok'
.atomic(allow_undefined_flag, $1)=' ${wl}-berok'
# Exported symbols can be pulled into shared objects from archives
.atomic(whole_archive_flag_spec, $1)='$convenience'
.atomic(archive_cmds_need_lc, $1)=yes
# This is similar to how AIX traditionally builds its shared libraries.
.atomic(archive_expsym_cmds, $1)="$CC $shared_flag" -o $output_objdir/$soname $libobjs
$deplibs $([wl]-bnoentry $compiler_flags $([wl]-bE:$export_symbols[${allow_undefined_flag}]~$AR $AR_FLAGS
$output_objdir/$libname$release.a $output_objdir/$soname'
fi
fi

amigaos*)
.atomic(archive_cmds, $1)="$rm $output_objdir/a2ixlibrary.data~$echo "#define NAME $libname"
> $output_objdir/a2ixlibrary.data~$echo "#define LIBRARY_ID 1" >> $output_objdir/a2ixlibrary.data~$echo
"#define VERSİON $major" >> $output_objdir/a2ixlibrary.data~$echo "#define REVISION $revision" >>
$output_objdir/a2ixlibrary.data~$AR $AR_FLAGS $lib $libobjs~$RANLIB $lib~(cd $output_objdir &
a2ixlibrary -32)
.atomic(libdir_flag_spec, $1)='-LSlibdir'
.atomic(archive_minus_L, $1)=yes
# see comment about different semantics on the GNU ld section
_LT_AC_TAGVAR(ld_shlibs, $1)=no
;;
bsdi[[45]]*)
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)=-rdynamic
;;
cygwin* | mingw* | pw32*)
# When not using gcc, we currently assume that we are using
# Microsoft Visual C++.
# hardcode_libdir_flag_spec is actually meaningless, as there is
# no search path for DLLs.
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)=' '
_LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
# Tell ltmain to make .lib files, not .a files.
libext=lib
# Tell ltmain to make .dll files, not .so files.
shrext_cmds=".dll"
# FIXME: Setting linknames here is a bad hack.
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -o $lib $libobjs $compiler_flags 'echo "$deplibs" | $SED -e '\''s/ lc$//'\''' -link -dll~linknames='
# The linker will automatically build a .lib file if we build a DLL.
_LT_AC_TAGVAR(old_archive_From_new_cmds, $1)='true'
# FIXME: Should let the user specify the lib program.
_LT_AC_TAGVAR(old_archive_cmds, $1)='lib -OUT:$oldlib$oldobjs$old_deplibs'
_LT_AC_TAGVAR(fix_srcfile_path, $1)=''cygpath -w "$srcfile"''
_LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1)=yes
;;
darwin* | rhapsody*)
_LT_AC_TAGVAR(allow_undefined_flag, $1)="$_lt_dar_allow_undefined"
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
_LT_AC_TAGVAR(hardcode_direct, $1)=no
_LT_AC_TAGVAR(hardcode_automatic, $1)=yes
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=unsupported
_LT_AC_TAGVAR(whole_archive_flag_spec, $1)=''
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes
if test "$GCC" = yes ; then
output_verbose_link_cmd='echo'
_LT_AC_TAGVAR(archive_cmds, $1)="\$CC -dynamiclib \$allow_undefined_flag -o \$lib \$libobjs \$deplibs
\$compiler_flags -install_name \$rpath/\$soname \$verstring $_lt_dar_single_mod${_lt_dsymutil}"
_LT_AC_TAGVAR(module_cmds, $1)="\$CC \$allow_undefined_flag -o \$lib -bundle \$libobjs \$deplibs
\$compiler_flags${_lt_dsymutil}"
_LT_AC_TAGVAR(archive_expsym_cmds, $1)="sed 's,^,_,' < \$export_symbols >
\$output_objdir/\${libname}-symbols.expsym~\$CC -dynamiclib \$allow_undefined_flag -o \$lib \$libobjs
\$deplibs \$compiler_flags -install_name \$rpath/\$soname \$verstring
${_lt_dar_single_mod}${_lt_dar_export_syms}${_lt_dsymutil}"

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```bash
_LT_AC_TAGVAR(module_expsym_cmds, $1)="sed -e 's;\^_,;\<\' < $export_symbols > $output_objdir/$[libname]-symbols.expsym $[SCC $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags $[lt_dar_export_syms]$[lt_dsymutil]"
else
    case $cc_basename in
xlc*)
        outputVerboseLinkCmd='echo'
        _LT_AC_TAGVAR(archive_cmds, $1)='$CC -qmkshrobj $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags $[w1]-install_name $[w1]'echo $rpath/$soname' $xlcverstring'
        _LT_AC_TAGVAR(module_cmds, $1)='$CC $allow_undefined_flag -o $lib -bundle $libobjs $deplibs $compiler_flags'
        # Don't fix this by using the ld -exported_symbols_list flag, it doesn't exist in older darwin lds
        _LT_AC_TAGVAR(archive_expsym_cmds, $1)='sed -e "s;\^,\,;\<\" -e "s;[^,]*,\,\," -e "s;\^[(\([^,\)])\]\)\," < $export_symbols > $output_objdir/${libname}-symbols.expsym $[CC $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags ${wl}-install_name ${wl}$rpath/$soname $xlcverstring~nmedit -s $output_objdir/${libname}-symbols.expsym ${lib}'
        _LT_AC_TAGVAR(module_expsym_cmds, $1)='sed -e "s;\^,\,;\<\" -e "s;[^,]*,\,\," -e "s;\^[(\([^,\)])\]\)\," < $export_symbols > $output_objdir/${libname}-symbols.expsym $[SCC $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags $[w1]-install_name $[w1]$rpath/$soname $xlcverstring~nmedit -s $output_objdir/${libname}-symbols.expsym ${lib}'
    ;;
*
*)
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    ;;
    esac
fi

;;

dgux*)
    _LT_AC_TAGVAR(archive_cmds, $1)='$LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags'
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
    _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
    ;;
freebsd1*)
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    ;;

# FreeBSD 2.2.[012] allows us to include c++rt0.o to get C++ constructor
# support. Future versions do this automatically, but an explicit c++rt0.o
# does not break anything, and helps significantly (at the cost of a little
# extra space).
freebsd2.2*)
    _LT_AC_TAGVAR(archive_cmds, $1)='$LD -Bshareable -o $lib $libobjs $deplibs $linker_flags /usr/lib/c++rt0.o'
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-RS$libdir'
    _LT_AC_TAGVAR(hardcode_direct, $1)=yes
    _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
    ;;
```
Unfortunately, older versions of FreeBSD 2 do not have this feature.

FreeBSD 2

```bash
_LT_AC_TAGVAR(archive_cmds, $1)='$LD -Bshareable -o $lib $libobjs $deplibs $linker_flags'
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
;
```

FreeBSD 3 and greater uses gcc -shared to do shared libraries.

FreeBSD 2 | Dragonfly

```bash
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared -o $lib $libobjs $deplibs $compiler_flags'
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R$libdir'
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
;
```

HP-UX 9

```bash
if test "$GCC" = yes; then
_ LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/$soname~$CC -shared -fPIC ${wl}+b ${wl}$install_libdir -o $output_objdir/$soname $libobjs $deplibs $compiler_flags~test $output_objdir/$soname = $lib || mv $output_objdir/$soname $lib"
else
_ LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/$soname~$LD -b +b $install_libdir -o $output_objdir/$soname $libobjs $deplibs $linker_flags~test $output_objdir/$soname = $lib || mv $output_objdir/$soname $lib"
fi
_ LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b ${wl}$libdir'
_ LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
```

HP-UX 10

```bash
if test "$GCC" = yes -a "$with_gnu_ld" = no; then
_ LT_AC_TAGVAR(archive_cmds, $1)="/bin/CC -shared -fPIC ${wl}+h ${wl}$soname ${wl}+b ${wl}$install_libdir -o $lib $libobjs $deplibs $compiler_flags'
else
_ LT_AC_TAGVAR(archive_cmds, $1)="/bin/LD -b +h $soname +b $install_libdir -o $lib $libobjs $deplibs $linker_flags'
fi
```

HP-UX 11

```bash
if test "$LD" = no; then
_ LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b ${wl}$libdir'
_ LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
```

# hardcode_minus_L: Not really in the search PATH,
# but as the default location of the library.

FreeBSD 2 | Dragonfly

```bash
_ LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
_ LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-E'
;
```

HP-UX 9

```bash
if test "$GCC" = yes; then
_ LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/$soname~$CC -shared -fPIC ${wl}+b ${wl}$install_libdir -o $output_objdir/$soname $libobjs $deplibs $compiler_flags~test $output_objdir/$soname = $lib || mv $output_objdir/$soname $lib"
else
_ LT_AC_TAGVAR(archive_cmds, $1)="$rm $output_objdir/$soname~$LD -b +b $install_libdir -o $output_objdir/$soname $libobjs $deplibs $linker_flags~test $output_objdir/$soname = $lib || mv $output_objdir/$soname $lib"
fi
_ LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b ${wl}$libdir'
_ LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
```

HP-UX 10

```bash
if test "$GCC" = yes -a "$with_gnu_ld" = no; then
_ LT_AC_TAGVAR(archive_cmds, $1)="/bin/CC -shared -fPIC ${wl}+h ${wl}$soname ${wl}+b ${wl}$install_libdir -o $lib $libobjs $deplibs $compiler_flags'
else
_ LT_AC_TAGVAR(archive_cmds, $1)="/bin/LD -b +h $soname +b $install_libdir -o $lib $libobjs $deplibs $linker_flags'
fi
_ LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b ${wl}$libdir'
_ LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
```

HP-UX 11

```bash
if test "$LD" = no; then
_ LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b ${wl}$libdir'
_ LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
```

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_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-E'

# hardcode_minus_L: Not really in the search PATH,
# but as the default location of the library.
_LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
  fi

hpux11*)
  if test "$GCC" = yes -a "$with_gnu_ld" = no; then
  case $host_cpu in
  hppa*64*)
    _LT_AC_TAGVAR(archive_cmds, $1)='${CC} -shared $wl+h $wl$soname -o $lib $libobjs $deplibs
$compiler_flags'
      ;;
    ia64*)
      _LT_AC_TAGVAR(archive_cmds, $1)='${CC} -shared $wl+h $wl$soname $wl$soname -nodefaultrpath -o $lib
$libobjs $deplibs $compiler_flags'
      ;;
    *)
      _LT_AC_TAGVAR(archive_cmds, $1)='${CC} -shared -fPIC $wl+h $wl$soname $wl$soname -b
$wl$soname $install_libdir -o $lib $libobjs $deplibs $compiler_flags'
      ;;
  esac
  else
    case $host_cpu in
    hppa*64*)
      _LT_AC_TAGVAR(archive_cmds, $1)='${CC} -b $wl+h $wl$soname -o $lib $libobjs $deplibs
$compiler_flags'
      ;;
    ia64*)
      _LT_AC_TAGVAR(archive_cmds, $1)='${CC} -b $wl+h $wl$soname $wl$soname -nodefaultrpath -o $lib $libobjs
$deplibs $compiler_flags'
      ;;
    *)
      _LT_AC_TAGVAR(archive_cmds, $1)='${CC} -b $wl+h $wl$soname $wl$soname -b
$wl$soname $install_libdir -o $lib $libobjs $deplibs $compiler_flags'
      ;;
  esac
  fi
  if test "$with_gnu.ld" = no; then
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}+b $wl$libdir'
  _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

  case $host_cpu in
  hppa*64*|ia64*
Open Source Used In Unified Communications Manager 12.0(1)SU3

3006

_LT_AC_TAGVAR(hardcode_libdir_flag_spec_ld, $1)='+b $libdir'
_LT_AC_TAGVAR(hardcode_direct, $1)=no
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
:: *
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-E'

# hardcode_minus_L: Not really in the search PATH,
# but as the default location of the library.
_LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
::
esac
fi
::

irix5* | irix6* | nonstopux*)
if test "$GCC" = yes; then
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared $libobjs $deplibs $compiler_flags $[wl]-soname $[wl]$soname 'test -n "$verstring" && echo $[wl]-set_version $[wl]$verstring' $[wl]-update_registry $[wl]$[output_objdir]/so_locations -o $lib'
else
_LT_AC_TAGVAR(archive_cmds, $1)='$LD -shared $libobjs $deplibs $linker_flags -soname $nome 'test -n "$verstring" && echo -set_version $verstring' -update_registry $[output_objdir]/so_locations -o $lib'
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-rpath ${wl}$libdir'
fi
_LT_AC_TAGVAR(hardcode_libdir_flag_spec_ld, $1)='${wl}-rpath ${wl}$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes
::

netbsd*)
if echo __ELF__ | $CC -E - | grep __ELF__ >/dev/null; then
_LT_AC_TAGVAR(archive_cmds, $1)='$LD -Bshareable -o $lib $libobjs $deplibs $linker_flags' # a.out
else
_LT_AC_TAGVAR(archive_cmds, $1)='$LD -shared -o $lib $libobjs $deplibs $linker_flags' # ELF
fi
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R$libdir'
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
::

newsos6)
_LT_AC_TAGVAR(archive_cmds, $1)='$LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags'
_LT_AC_TAGVAR(hardcode_direct, $1)=yes
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath ${wl}$libdir'
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes
::
openbsd*)
  if test -f /usr/libexec/ld.so; then
    _LT_AC_TAGVAR(hardcode_direct, $1)=yes
    _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
  fi
  if test -z "echo __ELF__ | $CC -E - | grep __ELF__;" || test "$host_os-$host_cpu" = "openbsd2.8-powerpc"; then
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $pic_flag -o $lib $libobjs $deplibs $compiler_flags"
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $pic_flag -o $lib $libobjs $deplibs $compiler_flags"
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath,${libdir}'
    _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-E'
  else
    case $host_os in
      openbsd[01][0-9]* | openbsd2.[0-7][0-7][0-9]*)
      _LT_AC_TAGVAR(archive_cmds, $1)="$LD -Bshareable -o $lib $libobjs $deplibs $linker_flags"
      _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R${libdir}'
      ;;
    esac
    fi
  else
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    fi
  fi
  os2*)
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L${libdir}'
  _LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
  _LT_AC_TAGVAR(allow_undefined_flag, $1)=unsupported
  _LT_AC_TAGVAR(archive_cmds, $1)="$echo "LIBRARY $libname INITINSTANCE" > $output_objdir/$libname.def~$echo "DESCRIPTION "$libname"" >> $output_objdir/$libname.def~$echo "DATA" >> $output_objdir/$libname.def~$echo "SINGLE NONSHARED" >> $output_objdir/$libname.def~$echo UPDATE_REGISTRY $output_objdir/$libname.def~$output_objdir/$libname.def~$emximp -o $output_objdir/$libname.a $output_objdir/$libname.def"
  fi
  ;;
  osf3*)
  if test "$GCC" = yes; then
    _LT_AC_TAGVAR(allow_undefined_flag, $1)="${wl}-expect_unresolved ${wl}\*
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared${allow_undefined_flag} $libobjs $deplibs $compiler_flags"
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared${allow_undefined_flag} $libobjs $deplibs $compiler_flags"
    _LT_AC_TAGVAR(update_registry, $1)="${wl}-soname ${wl}$soname \&\& echo $[wl]-set_version $[wl]$verstring $[wl]-update_registry $[wl]>$output_objdir/$libname.a $output_objdir/$libname.def"
else

_LT_AC_TAGVAR(allow_undefined_flag, $1)='-expect_unresolved \"\"

_LT_AC_TAGVAR(archive_cmds, $1)="$LD -shared\{$allow_undefined_flag\} $libobjs $deplibs $linker_flags -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry

\$\{output_objdir\}/so_locations -o $lib'
fi

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$\{wl\}-rpath $\{wl\}$libdir"

_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

;
)

osf4* | osf5*)
# as osf3* with the addition of -msym flag
if test "SGCC" = yes; then

_LT_AC_TAGVAR(allow_undefined_flag, $1)="$\{wl\}-expect_unresolved $\{wl\}\"

_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared\{$allow_undefined_flag\} $libobjs $deplibs $compiler_flags $\{wl\}-msym $\{wl\}-soname $\{wl\}$soname 'test -n "$verstring" && echo $\{wl\}-set_version $\{wl\}$verstring'
\$\{wl\}-update_registry $\{wl\}$$\{output_objdir\}/so_locations -o $lib'

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$\{wl\}-rpath $\{wl\}$libdir"

_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

;
)

solaris*)

_LT_AC_TAGVAR(no_undefined_flag, $1)=" -z text"
if test "$GCC" = yes; then

wlarc="$\{wl\}\'

_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared \$\{wl\}-h \$\{wl\}$soname -o $lib $libobjs $deplibs $compiler_flags$

_LT_AC_TAGVAR(archive_cmds, $1)="$echo "[ global:" > $lib.exp~cat $export_symbols; do printf "\%s \%s\n" - exported_symbol "\$i" >> $lib.exp; done; echo "\"hidden\"">> $lib.exp~

$LD -shared\{$allow_undefined_flag\} -input $lib.exp $linker_flags $libobjs $deplibs -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $\{output_objdir\}/so_locations -o $lib~$rm $lib.exp'

# Both c and cxx compiler support -rpath directly

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="-rpath $libdir"
fi

_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

;
)

solaris*)

_LT_AC_TAGVAR(no_undefined_flag, $1)=" -z text"
if test "$GCC" = yes; then

wlarc="$\{wl\}\'

_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared \$\{wl\}-h \$\{wl\}$soname -o $lib $libobjs $deplibs $compiler_flags$

_LT_AC_TAGVAR(archive_cmds, $1)="$echo "[ global:" > $lib.exp~cat $export_symbols; do printf "\%s \%s\n" - exported_symbol "\$i" >> $lib.exp; done; echo "\"hidden\"">> $lib.exp~

$LD -shared\{$allow_undefined_flag\} -input $lib.exp $linker_flags $libobjs $deplibs -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $\{output_objdir\}/so_locations -o $lib~$rm $lib.exp'

# Both c and cxx compiler support -rpath directly

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="-rpath $libdir"
fi

_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

;
)

solaris*)

_LT_AC_TAGVAR(no_undefined_flag, $1)=" -z text"
if test "$GCC" = yes; then

wlarc="$\{wl\}\'

_LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared \$\{wl\}-h \$\{wl\}$soname -o $lib $libobjs $deplibs $compiler_flags$

_LT_AC_TAGVAR(archive_cmds, $1)="$echo "[ global:" > $lib.exp~cat $export_symbols; do printf "\%s \%s\n" - exported_symbol "\$i" >> $lib.exp; done; echo "\"hidden\"">> $lib.exp~

$LD -shared\{$allow_undefined_flag\} -input $lib.exp $linker_flags $libobjs $deplibs -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $\{output_objdir\}/so_locations -o $lib~$rm $lib.exp'

# Both c and cxx compiler support -rpath directly

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="-rpath $libdir"
fi

_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

;
)
"sA(.*/\&\&1/)" >> $lib.exp~$echo "local: *; ";" >> $lib.exp~
S$LD -G{[allow_undefined_flag]} -M $lib.exp -h $soname -o $lib $libobjs $deplibs $linker_flags-$rm $lib.exp'
fi

LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R$libdir'
LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
case $host_os in
  solaris2.[0-5] | solaris2.[0-5].*) ;;
  *)
  # The compiler driver will combine and reorder linker options,
  # but understands `-z linker_flag'. GCC discards it without '$wl',
  # but is careful enough not to reorder.
  # Supported since Solaris 2.6 (maybe 2.5.1?)
if test "$GCC" = yes; then
  LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}-z ${wl}allextract$convenience ${wl}-z ${wl}defaultextract'
else
  LT_AC_TAGVAR(whole_archive_flag_spec, $1)='-z allextract$convenience -z defaultextract'
fi
;;
esac
LT_AC_TAGVAR(link_all_deplibs, $1)=yes
;;
sunos4*)
  if test "x$host_vendor" = xsequent; then
    # Use $CC to link under sequent, because it throws in some extra .o
    # files that make .init and .fini sections work.
    LT_AC_TAGVAR(archive_cmds, $1)='$CC -G ${wl}-h $soname -o $lib $libobjs $deplibs $compiler_flags'
  else
    LT_AC_TAGVAR(archive_cmds, $1)='$LD -assert pure-text -Bstatic -o $lib $libobjs $deplibs $linker_flags'
  fi
LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
LT_AC_TAGVAR(hardcode_direct, $1)=yes  # is this really true???
LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
;;
sysv4)
  case $host_vendor in
    sni)
      LT_AC_TAGVAR(archive_cmds, $1)='$LD -assert pure-text -Bstatic -o $lib $libobjs $deplibs $linker_flags'
      LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
      LT_AC_TAGVAR(hardcode_direct, $1)=yes
      LT_AC_TAGVAR(hardcode_minus_L, $1)=yes
      LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
      ;;
simens)
      ## LD is ld it makes a PLAMLIB
      ## CC just makes a GrossModule.
      LT_AC_TAGVAR(archive_cmds, $1)='$LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags'
      LT_AC_TAGVAR(hardcode_direct, $1)=yes # is this really true???
      ;;
      siemens)
      # LD is ld it makes a PLAMLIB
      # CC just makes a GrossModule.
      LT_AC_TAGVAR(archive_cmds, $1)='$LD -G -o $lib $libobjs $deplibs $linker_flags'
      LT_AC_TAGVAR(reload_cmds, $1)='$CC -r -o $output$reload_objs'
_LT_AC_TAGVAR(hardcode_direct, $1)=no

::;

motorola)

_LT_AC_TAGVAR(archive_cmds, $1)="#LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags"

_LT_AC_TAGVAR(hardcode_direct, $1)=no #Motorola manual says yes, but my tests say they lie

;

esac

runpath_var='LD_RUN_PATH'

_ LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no

::;

sysv4.3*)

_ LT_AC_TAGVAR(archive_cmds, $1)="#LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags"

_ LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no

_ LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='-Bexport'

::;

sysv4*MP*)

if test `-d /usr/nec'; then

_ LT_AC_TAGVAR(archive_cmds, $1)="#LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags"

_ LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no

runpath_var='LD_RUN_PATH'

hardcode_runpath_var=yes

_ LT_AC_TAGVAR(ld_shlibs, $1)=yes

fi

::;

sysv4uw2* | sysv5OpenUNIX* | sysv5UnixWare7.[[01]].[[10]]* | unixware7* | sco3.2v5.0.[[024]]*)

_ LT_AC_TAGVAR(no_undefined_flag, $1)='${wl}-z,text'

_ LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no

_ LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no

runpath_var='LD_RUN_PATH'

if test "SGCC" = yes; then

_ LT_AC_TAGVAR(archive_cmds, $1)="#CC -shared $[wl]-h,$soname -o $lib $libobjs $deplibs $compiler_flags"

_ LT_AC_TAGVAR(archive_expsym_cmds, $1)="#CC -shared $[wl]-Bexport:$export_symbols $[wl]-h,$soname -o $lib $libobjs $deplibs $compiler_flags"

else

_ LT_AC_TAGVAR(archive_cmds, $1)="#CC -G $[wl]-h,$soname -o $lib $libobjs $deplibs $compiler_flags"

_ LT_AC_TAGVAR(archive_expsym_cmds, $1)="#CC -G $[wl]-Bexport:$export_symbols $[wl]-h,$soname -o $lib $libobjs $deplibs $compiler_flags"

fi

::;

sysv5* | sco3.2v5* | sco5v6*)

# Note: We can NOT use -z defs as we might desire, because we do not
# link with -lc, and that would cause any symbols used from libc to
# always be unresolved, which means just about no library would
# ever link correctly. If we're not using GNU ld we use -z text
# though, which does catch some bad symbols but isn't as heavy-handed
# as -z defs.
_LT_AC_TAGVAR(no_undefined_flag, $1)='${wl}-z,text'
_LT_AC_TAGVAR(allow_undefined_flag, $1)='${wl}-z,nodefs'
_LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
_LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="test -z "$SCOABSPATH" && echo ${wl}-R,$libdir"
_LT_AC_TAGVAR(hardcode_libdir_separator, $1)=':'
_LT_AC_TAGVAR(link_all_deplibs, $1)=yes
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-Bexport'
runpath_var='LD_RUN_PATH'

if test "$GCC" = yes; then
_LT_AC_TAGVAR(archive_cmds, $1)='$CC -shared ${wl}-h,${SCOABSPATH:+${install_libdir}/}$soname -o $lib $libobjs $deplibs $compiler_flags'
_LT.AC_TAGVAR(archive_expsym_cmds, $1)='$CC -shared ${wl}-Bexport:$export_symbols ${wl}-h,${SCOABSPATH:+${install_libdir}/}$soname -o $lib $libobjs $deplibs $compiler_flags'
else
_LT.AC_TAGVAR(archive_cmds, $1)='$CC -G ${wl}-h,${SCOABSPOATH:+$install_libdir}/$soname -o $lib $libobjs $deplibs $compiler_flags'
_LT.AC_TAGVAR(archive_expsym_cmds, $1)='$CC -G ${wl}-Bexport:$export_symbols ${wl}-h,${SCOABSPOATH:+$install_libdir}/$soname -o $lib $libobjs $deplibs $compiler_flags'
fi

uts4*)
_LT.AC_TAGVAR(archive_cmds, $1)='$LD -G -h $soname -o $lib $libobjs $deplibs $linker_flags'
_LT.AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-L$libdir'
_LT.AC_TAGVAR(hardcode_libdir_separator, $1)=no
"
"
*)
_LT.AC_TAGVAR(ld_shlibs, $1)=no
"
"
esac
fi
)
AC_MSG_RESULT([$LT.AC_TAGVAR(ld_shlibs, $1)])
test "[$LT.AC_TAGVAR(ld_shlibs, $1)]" = no && can_build_shared=no

# # Do we need to explicitly link libc?
#
case "x$LT.AC_TAGVAR(archive_cmds_need_lc, $1)" in
   x*yes)
   # Assume -lc should be added
   _LT.AC_TAGVAR(archive_cmds_need_lc, $1)=yes
if test "$enable_shared" = yes && test "$GCC" = yes; then
case $_LT_AC_TAGVAR(archive_cmds, $1) in
  !~*~*)
    # FIXME: we may have to deal with multi-command sequences.
    ;;
  "$CC "*)
    # Test whether the compiler implicitly links with -lc since on some
    # systems, -lgcc has to come before -lc. If gcc already passes -lc
    # to ld, don't add -lc before -lgcc.
    AC_MSG_CHECKING([whether -lc should be explicitly linked in])
    $rm conftest*
    echo "$lt_simple_compile_test_code" > conftest.$ac_ext
    if AC_TRY_EVAL(ac_compile) 2>conftest.err; then
      soname=conftest
      lib=conftest
      libobjs=conftest.$ac_objext
      deplibs=
      wl=$_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)
      pic_flag=$_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)
      compiler_flags=-v
      linker_flags=-v
      verstring=
      output_objdir=.
      libname=conftest
      lt_save_allow_undefined_flag=$_LT_AC_TAGVAR(allow_undefined_flag, $1)
      _LT_AC_TAGVAR(allow_undefined_flag, $1)=
      if AC_TRY_EVA$L_T_AC_TAGVAR(archive_cmds, $1) 2>$ac_compile err 2>&1 || grep -l " -lc " /dev/null 2>&1)
        then
          _LT_AC_TAGVAR(archive_cmds_need_lc, $1)=no
        else
          _LT_AC_TAGVAR(archive_cmds_need_lc, $1)=yes
          fi
          _LT_AC_TAGVAR(allow_undefined_flag, $1)=lt_save_allow_undefined_flag
        else
          cat conftest.err 1>&5
          fi
          $rm conftest*
        AC_MSG_RESULT([$_LT_AC_TAGVAR(archive_cmds_need_lc, $1)])
        ;;
      esac
      fi
      ;;
    esac
  )# AC_LIBTOOL_PROG_LD_SHLIBS
"
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# _LT_AC_FILE_LTDLL_C
# -------------------
# Be careful that the start marker always follows a newline.
AC_DEFUN([_LT_AC_FILE_LTDLL_C], [)
# /* ltdll.c starts here */
# #define WIN32_LEAN_AND_MEAN
# #include <windows.h>
# #undef WIN32_LEAN_AND_MEAN
# #include <stdio.h>
#
# #ifndef __CYGWIN__
# #  ifdef __CYGWIN32__
# #    define __CYGWIN__ __CYGWIN32__
# #  endif
# #endif
#
# #ifdef __cplusplus
# extern "C" {
# #endif
# BOOL APIENTRY DllMain (HINSTANCE hInst, DWORD reason, LPVOID reserved);
# #ifdef __cplusplus
# }
# #endif
#
# #ifdef __CYGWIN__
# #include <cygwin/cygwin_dll.h>
# DECLARE_CYGWIN_DLL( DllMain );
# #endif
# HINSTANCE __hDllInstance_base;
#
# BOOL APIENTRY
# DllMain (HINSTANCE hInst, DWORD reason, LPVOID reserved)
# {
#   __hDllInstance_base = hInst;
#   return TRUE;
# }
# /* ltdll.c ends here */
})# _LT_AC_FILE_LTDLL_C

# _LT_AC_TAGVAR(VARNAME, [TAGNAME])
# ---------------------------------
AC_DEFUN([_LT_AC_TAGVAR], [ifelse([$2], [], [$1], [$1_$2])])
# old names
AC_DEFUN([AM_PROG_LIBTOOL], [AC_PROG_LIBTOOL])
AC_DEFUN([AM_ENABLE_SHARED], [AC_ENABLE_SHARED($@)])
AC_DEFUN([AM_ENABLE_STATIC], [AC_ENABLE_STATIC($@)])
AC_DEFUN([AM_DISABLE_SHARED], [AC_DISABLE_SHARED($@)])
AC_DEFUN([AM_DISABLE_STATIC], [AC_DISABLE_STATIC($@)])
AC_DEFUN([AM_PROG_LD], [AC_PROG_LD])
AC_DEFUN([AM_PROG_NM], [AC_PROG_NM])

# This is just to silence aclocal about the macro not being used
ifelse([AC_DISABLE_FAST_INSTALL])

AC_DEFUN([LT_AC_PROG_GCJ],
[AC_CHECK_TOOL(GCJ, gcj, no)
test "x$[GCJFLAGS+set]" = xset || GCJFLAGS="-g -O2"
AC_SUBST(GCJFLAGS)
])

AC_DEFUN([LT_AC_PROG_RC],
[AC_CHECK_TOOL(RC, windres, no)
])

# Cheap backport of AS_EXECUTABLE_P and required macros
# from Autoconf 2.59; we should not use $as_executable_p directly.

# _AS_TEST_PREPARE
# ----------------
m4_ifndef([_AS_TEST_PREPARE],
[m4_defun([_AS_TEST_PREPARE],
[if test -x / >/dev/null 2>&1; then
 as_executable_p='test -x'
else
 as_executable_p='test -f'
fi
])# _AS_TEST_PREPARE

# AS_EXECUTABLE_P
# ---------------
# Check whether a file is executable.
m4_ifndef([AS_EXECUTABLE_P],
[m4_defun([AS_EXECUTABLE_P],
[AS_REQUIRE([_AS_TEST_PREPARE])
$dnl
$as_executable_p $1\[dnl
])])# AS_EXECUTABLE_P

# NOTE: This macro has been submitted for inclusion into
# GNU Autoconf as AC_PROG_SED. When it is available in
# a released version of Autoconf we should remove this
# macro and use it instead.
# LT_AC_PROG_SED
# Check for a fully-functional sed program, that truncates
# as few characters as possible. Prefer GNU sed if found.
AC_DEFUN([LT_AC_PROG_SED],
[AC_MSG_CHECKING([for a sed that does not truncate output])
AC_CACHE_VAL(lt_cv_path_SED,
[# Loop through the user's path and test for sed and gsed.
# Then use that list of sed's as ones to test for truncation.
as_save_IFS=$IFS; IFS=$PATH_SEPARATOR
for as_dir in $PATH
do
IFS=$as_save_IFS
test -z "$as_dir" && as_dir=.
for lt_ac_prog in sed gsed; do
    for ac_exec_ext in '' $ac_executable_extensions; do
        if AS_EXECUTABLE_P(['"$as_dir/$lt_ac_prog$ac_exec_ext"']); then
            lt_ac_sed_list="$lt_ac_sed_list $as_dir/$lt_ac_prog$ac_exec_ext"
        fi
done
lt_ac_max=0
lt_ac_count=0
# Add /usr/xpg4/bin/sed as it is typically found on Solaris
# along with /bin/sed that truncates output.
for lt_ac_sed in $lt_ac_sed_list /usr/xpg4/bin/sed; do
test ! -f $lt_ac_sed && continue
cat /dev/null > conftest.in
lt_ac_count=0
    if "$lt_ac_sed" --version 2>&1 < /dev/null | grep 'GNU' > /dev/null; then
        lt_cv_path_SED=$lt_ac_sed
        break
    fi
while true; do
cat conftest.in conftest.in >conftest.tmp
mv conftest.tmp conftest.in
cp conftest.in conftest.nl
echo "$ECHO_N "0123456789$ECHO_C" >conftest.in
# Check for GNU sed and select it if it is found.
if "$lt_ac_sed" --version 2>&1 < /dev/null | grep 'GNU' > /dev/null; then
    lt_cv_path_SED=$lt_ac_sed
    break
fi
while true; do
cat conftest.in conftest.in >conftest.tmp
mv conftest.tmp conftest.in
cp conftest.in conftest.nl
echo "$lt_ac_sed" -e 's/a$//' < conftest.nl >conftest.out || break
cmp -s conftest.out conftest.nl || break
# 10000 chars as input seems more than enough
test $lt_ac_count -gt 10 &&& break
lt_ac_count='expr $lt_ac_count + 1'
if test $lt_ac_count -gt $lt_ac_max; then
    $lt_ac_max=$lt_ac_count
fi
while true; do
    cat conftest.in conftest.in >conftest.tmp
    mv conftest.tmp conftest.in
cp conftest.in conftest.nl
echo "$lt_ac_sed" -e 's/a$//f' < conftest.nl >conftest.out || break
cmp -s conftest.out conftest.nl || break
# 10000 chars as input seems more than enough
test $lt_ac_count -gt 10 &&& break
lt_ac_count='expr $lt_ac_count + 1'
if test $lt_ac_count -gt $lt_ac_max; then
    $lt_ac_max=$lt_ac_count
fi
while true; do
    cat conftest.in conftest.in >conftest.tmp
    mv conftest.tmp conftest.in
cp conftest.in conftest.nl

lt_cv_path_SED=$lt_ac_sed
fi
done
done
)
SED=$lt_cv_path_SED
AC_SUBST([SED])
AC_MSG_RESULT([SED])
)

#
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# AM_AUTOMAKE_VERSION(VERSION)
# ----------------------------
# Automake X.Y traces this macro to ensure aclocal.m4 has been
# generated from the m4 files accompanying Automake X.Y.
# (This private macro should not be called outside this file.)
AC_DEFUN([AM_AUTOMAKE_VERSION],
[am__api_version='1.10'
dnl Some users find AM_AUTOMAKE_VERSION and mistake it for a way to
dnl require some minimum version. Point them to the right macro.
m4_if([$1], [1.10.1], [],
    [AC_FATAL([Do not call $0, use AM_INIT_AUTOMAKE([$1]).])]dnl
)]
)

# _AM_AUTOCONF_VERSION(VERSION)
# -----------------------------
# aclocal traces this macro to find the Autoconf version.
# This is a private macro too. Using m4_define simplifies
# the logic in aclocal, which can simply ignore this definition.
m4_define([_AM_AUTOCONF_VERSION], [])

# AM_SET_CURRENT_AUTOMAKE_VERSION
# -------------------------------
# Call AM_AUTOMAKE_VERSION and AM_AUTOMAKE_VERSION so they can be traced.
# This function is AC_REQUIREd by AC_INIT_AUTOMAKE.
AC_DEFUN([AM_SET_CURRENT_AUTOMAKE_VERSION],
[AM_AUTOMAKE_VERSION([1.10.1])dnl
m4_ifndef([AC_AUTOCONF_VERSION],
    [m4_copy([m4_PACKAGE_VERSION], [AC_AUTOCONF_VERSION])])dnl
_1AM_AUTOCONF_VERSION(AC_AUTOCONF_VERSION)])

# AM_AUX_DIR_EXPAND
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# For projects using AC_CONFIG_AUX_DIR([foo]), Autoconf sets
# $ac_aux_dir to '$srcdir/foo'. In other projects, it is set to
# '$srcdir', '$srcdir/..', or '$srcdir/../../'.
#
# Of course, Automake must honor this variable whenever it calls a
# tool from the auxiliary directory. The problem is that $srcdir (and
# therefore $ac_aux_dir as well) can be either absolute or relative,
# depending on how configure is run. This is pretty annoying, since
# it makes $ac_aux_dir quite unusable in subdirectories: in the top
# source directory, any form will work fine, but in subdirectories a
# relative path needs to be adjusted first.
#
# $ac_aux_dir/missing
#   fails when called from a subdirectory if $ac_aux_dir is relative
# $top_srcdir/$ac_aux_dir/missing
#   fails if $ac_aux_dir is absolute,
#   fails when called from a subdirectory in a VPATH build with
#       a relative $ac_aux_dir
#
# The reason of the latter failure is that $top_srcdir and $ac_aux_dir
# are both prefixed by $srcdir. In an in-source build this is usually
# harmless because $srcdir is '.', but things will broke when you
# start a VPATH build or use an absolute $srcdir.
#
# So we could use something similar to $top_srcdir/$ac_aux_dir/missing,
# iff we strip the leading $srcdir from $ac_aux_dir. That would be:
# am_aux_dir="$(top_srcdir)/"expr "$ac_aux_dir" : "$srcdir//.//\""
# and then we would define $MISSING as
#   MISSING="$SHELL\ $am_aux_dir/missing"
# This will work as long as MISSING is not called from configure, because
# unfortunately $(top_srcdir) has no meaning in configure.
# However there are other variables, like CC, which are often used in
# configure, and could therefore not use this "fixed" $ac_aux_dir.
#
# Another solution, used here, is to always expand $ac_aux_dir to an
# absolute PATH. The drawback is that using absolute paths prevent a
# configured tree to be moved without reconfiguration.

AC_DEFUN([AM_AUX_DIR_EXPAND],
[dnl Rely on autoconf to set up CPATH properly.
AC_PREREQ([2.50])dnl
# expand $ac_aux_dir to an absolute path
# AM_CONDITIONAL

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# serial 8

# AM_CONDITIONAL(NAME, SHELL-CONDITION)
# -------------------------------------
# Define a conditional.
AC_DEFUN([AM_CONDITIONAL],
[AC_PREREQ(2.52)dnl
ifelse([$1], [TRUE], [AC_FATAL([$0: invalid condition: $1])],
[$1], [FALSE], [AC_FATAL([$0: invalid condition: $1])])dnl
AC_SUBST([$1_TRUE])dnl
AC_SUBST([$1_FALSE])dnl
_AM_SUBST_NOTMAKE([$1_TRUE])dnl
_AM_SUBST_NOTMAKE([$1_FALSE])dnl
if $2; then
$1_TRUE=
$1_FALSE='#'
else
$1_TRUE='#'
$1_FALSE=
fi
AC_CONFIG_COMMANDS_PRE(
[if test -z "${$1_TRUE}" && test -z "${$1_FALSE}"; then
AC_MSG_ERROR([[[conditional "$1" was never defined.
Usually this means the macro was only invoked conditionally.]]]
fi)])

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# serial 9

# There are a few dirty hacks below to avoid letting 'AC_PROG_CC' be

am_aux_dir=cd $ac_aux_dir && pwd'
)

# AM_CONDITIONAL

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# serial 8
# written in clear, in which case automake, when reading aclocal.m4,
# will think it sees a *use*, and therefore will trigger all it's
# C support machinery. Also note that it means that autoscan, seeing
# CC etc. in the Makefile, will ask for an AC_PROG_CC use...

# _AM_DEPENDENCIES(NAME)
# ----------------------
# See how the compiler implements dependency checking.
# NAME is "CC", "CXX", "GCJ", or "OBJC".
# We try a few techniques and use that to set a single cache variable.
#
# We don't AC_REQUIRE the corresponding AC_PROG_CC since the latter was
# modified to invoke _AM_DEPENDENCIES(CC); we would have a circular
# dependency, and given that the user is not expected to run this macro,
# just rely on AC_PROG_CC.
AC_DEFUN([ AM_DEPENDENCIES],
[AC_REQUIRE([AM_SET_DEPDIR])dnl
AC_REQUIRE([AM_OUTPUT_DEPENDENCY_COMMANDS])dnl
AC_REQUIRE([AM_MAKE_INCLUDE])dnl
AC_REQUIRE([AM_DEP_TRACK])dnl

ifelse([$1], CC, [depcc="$CC" am_compiler_list=],
    [S1], CXX, [depcc="$CXX" am_compiler_list=],
    [S1], OBIC, [depcc="$OBIC" am_compiler_list='gcc3 gcc'],
    [S1], UPC, [depcc="$UPC" am_compiler_list=],
    [S1], GCJ, [depcc="$GCJ" am_compiler_list='gcc3 gcc'],
    [depcc="$S1" am_compiler_list=])

AC_CACHE_CHECK([dependency style of $depcc],
    [am_cv_$1_dependencies_compiler_type],
    [if test -z "$AMDEP_TRUE" && test -f "$am_depcomp"; then
    # We make a subdir and do the tests there. Otherwise we can end up
    # making bogus files that we don't know about and never remove. For
    # instance it was reported that on HP-UX the gcc test will end up
    # making a dummy file named 'D' -- because '-MD' means 'put the output
    # in D'.
mkdir conftest.dir
    # Copy depcomp to subdir because otherwise we won't find it if we're
    # using a relative directory.
    cp "$am_depcomp" conftest.dir
    cd conftest.dir
    # We will build objects and dependencies in a subdirectory because
    # it helps to detect inapplicable dependency modes. For instance
    # both Tru64's cc and ICC support -MD to output dependencies as a
    # side effect of compilation, but ICC will put the dependencies in
    # the current directory while Tru64 will put them in the object
    # directory.


mkdir sub

am_cv_S1_dependencies_compiler_type='none'
if test "${am_compiler_list}" = ""; then
   am_compiler_list=`sed -n '/^[a-zA-Z0-9]*$/p' < ./depcomp`
fi
for depmode in ${am_compiler_list}; do
   # Setup a source with many dependencies, because some compilers
   # like to wrap large dependency lists on column 80 (with \), and
   # we should not choose a depcomp mode which is confused by this.
   #
   # We need to recreate these files for each test, as the compiler may
   # overwrite some of them when testing with obscure command lines.
   # This happens at least with the AIX C compiler.
   : > sub/conftest.c
   for i in 1 2 3 4 5 6; do
      echo '#include "conftst$i'.h"' >> sub/conftest.c
      # Using ': > sub/conftst$i.h' creates only sub/conftst1.h with
      # Solaris 8's /usr/bin/sh.
      touch sub/conftst$i.h
   done
   echo "${am__include} ${am__quote}sub/conftest.Po${am__quote}" > confmf
   case $depmode in
      nosideeffect)
         # after this tag, mechanisms are not by side-effect, so they'll
         # only be used when explicitly requested
         if test "x$enable_dependency_tracking" = xyes; then
            continue
         else
            break
         fi
      ;;
      none) break ;;
   esac
   # We check with '-c' and '-o' for the sake of the "dashmstdout"
   # mode. It turns out that the SunPro C++ compiler does not properly
   # handle '-M -o', and we need to detect this.
   if depmode=${depmode} \
      source=sub/conftest.c object=sub/conftest.$(OBJEXT-o) \
      depfile=sub/conftest.Po tmpdepfile=sub/conftest.TPo \
      $SHELL ./depcomp $depc -o sub/conftest.$(OBJEXT-o) sub/conftest.c \
      >/dev/null 2>&conftest.err &&
      grep sub/conftst1.h sub/conftest.Po > /dev/null 2>&1 &&
      grep sub/conftst6.h sub/conftest.Po > /dev/null 2>&1 &&
      grep sub/conftest.$(OBJEXT-o) sub/conftest.Po > /dev/null 2>&1 &&
      $(MAKE-make) -s -f confmf > /dev/null 2>&1; then
      # icc doesn't choke on unknown options, it will just issue warnings

# or remarks (even with `-Werror`). So we grep stderr for any message
# that says an option was ignored or not supported.
# When given `-MP`, icc 7.0 and 7.1 complain thusly:
#  icc: Command line warning: ignoring option `-M`; no argument required
# The diagnosis changed in icc 8.0:
#  icc: Command line remark: option `-MP` not supported
if (grep 'ignoring option' conftest.err ||
    grep 'not supported' conftest.err) >/dev/null 2>&1; then :: else
    am_cv_$1_dependencies_compiler_type=$depmode
    break
fi
fi
done

cd ..
rm -rf conftest.dir
else
    am_cv_$1_dependencies_compiler_type=none
fi
)
AC_SUBST([$1DEPMODE], [depmode=$am_cv_$1_dependencies_compiler_type])
AM_CONDITIONAL([am__fastdep$1], [test "x$enable_dependency_tracking" != xno \
    && test "$am_cv_$1_dependencies_compiler_type" = gcc3])
)

# AM_SET_DEPDIR
# ------------
# Choose a directory name for dependency files.
# This macro is AC_REQUIREd in _AM_DEPENDENCIES
AC_DEFUN([AM_SET_DEPDIR],
    [AC_REQUIRE([AM_SET_LEADING_DOT])dnl
    AC_SUBST([DEPDIR], ["${am__leading_dot}deps"]dnl
    ])
)

# AM_DEP_TRACK
# -----------
AC_DEFUN([AM_DEP_TRACK],
    [AC_ARG_ENABLE(dependency-tracking, 
    [  --disable-dependency-tracking  speeds up one-time build 
    --enable-dependency-tracking  do not reject slow dependency extractors])
    if test "x$enable_dependency_tracking" != xno; then
        am_depcomp="$ac_aux_dir/depcomp"
        AMDEPBACKSLASH='\'
    fi
    AM_CONDITIONAL([AMDEP], [test "x$enable_dependency_tracking" != xno])
AC_SUBST(\[AMDEPBACKSLASH\])dnl
/_AM_SUBST_NOTMAKE(\[AMDEPBACKSLASH\])dnl
)

# Generate code to set up dependency tracking.         -*- Autoconf -*-

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#serial 3

# _AM_OUTPUT_DEPENDENCY_COMMANDS
# ------------------------------
AC_DEFUN([_AM_OUTPUT_DEPENDENCY_COMMANDS],
[for mf in \$CONFIG_FILES; do
  # Strip MF so we end up with the name of the file.
mf='echo "$mf" | sed -e 's/:.*$//''
  # Check whether this is an Automake generated Makefile or not.
  # We used to match only the files named 'Makefile.in', but
  # some people rename them; so instead we look at the file content.
  # Grep'ing the first line is not enough: some people post-process
  # each Makefile.in and add a new line on top of each file to say so.
  # Grep'ing the whole file is not good either: AIX grep has a line
  # limit of 2048, but all sed's we know have understand at least 4000.
  if sed -n 's,^#.*generated by automake.*,X,p' "$mf" | grep X >/dev/null 2>&1; then
        dirpart='AS_DIRNAME("$mf")'
  else
        continue
  fi
  # Extract the definition of DEPDIR, am__include, and am__quote
  # from the Makefile without running 'make'.
  DEPDIR='sed -n 's/^DEPDIR = //p' < "$mf"
  test -z "$DEPDIR" && continue
  am__include='sed -n 's/^am__include = //p' < "$mf"
  test -z "am__include" && continue
  am__quote='sed -n 's/^am__quote = //p' < "$mf"
  test -z "am__quote" && continue
  # When using ansi2knr, U may be empty or an underscore; expand it
  U='sed -n 's/^U = //p' < "$mf"
  test -z "U" && continue
  # Find all dependency output files, they are included files with
  # $\$(DEPDIR) in their names. We invoke sed twice because it is the
  # simplest approach to changing $\$(DEPDIR) to its actual value in the
  # expansion.
  for file in 'sed -n "
  s/\^\$am__include \$am__quote\(.*\$(DEPDIR).*\)\$am__quote"\$\|/p' <"$mf" |
sed -e 's/\$(DEPDIR)/"$DEPDIR"/g' -e 's/$U/"$U"/g'; do
# Make sure the directory exists.
test -f "$dirpart/$file" && continue
fdir='AS_DIRNAME(["$file"])'
AS_MKDIR_P([$dirpart/$fdir])

# echo "creating $dirpart/$file"
# echo '# dummy' > "$dirpart/$file"
done
done

)="# _AM_OUTPUT_DEPENDENCY_COMMANDS

# _AM_OUTPUT_DEPENDENCY_COMMANDS
# -----------------------------
# This macro should only be invoked once -- use via AC_REQUIRE.
#
# This code is only required when automatic dependency tracking
# is enabled.  FIXME.  This creates each `.P' file that we will
# need in order to bootstrap the dependency handling code.
AC_DEFUN([AM_OUTPUT_DEPENDENCY_COMMANDS],
[AC_CONFIG_COMMANDS([depfiles],
  [test x"$AMDEP_TRUE" != x"" || _AM_OUTPUT_DEPENDENCY_COMMANDS],
  [AMDEP_TRUE="$AMDEP_TRUE" ac_aux_dir="$ac_aux_dir"]
)]
)

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#
# serial 8

# _AM_CONFIG_HEADER is obsolete.  It has been replaced by AC_CONFIG_HEADERS.
AU_DEFUN([AM_CONFIG_HEADER], [AC_CONFIG_HEADERS($@)])

# Do all the work for Automake.  
# -*- Autoconf -*-

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#
# serial 13
# This macro actually does too much. Some checks are only needed if
# your package does certain things. But this isn't really a big deal.

# AM_INIT_AUTOMAKE(PACKAGE, VERSION, [NO-DEFINE])
# AM_INIT_AUTOMAKE([OPTIONS])
# -------------------------------------------------------------
# The call with PACKAGE and VERSION arguments is the old style
# call (pre autoconf-2.50), which is being phased out. PACKAGE
# and VERSION should now be passed to AC_INIT and removed from
# the call to AM_INIT_AUTOMAKE.
# We support both call styles for the transition. After
# the next Automake release, Autoconf can make the AC_INIT
# arguments mandatory, and then we can depend on a new Autoconf
# release and drop the old call support.
AC_DEFUN([AM_INIT_AUTOMAKE],
[AC_PREREQ([2.60])dnl
dnl Autoconf wants to disallow AM_ names. We explicitly allow
dnl the ones we care about.
m4_pattern_allow([\^AM_[A-Z]+FLAGS$])dnl
AC_REQUIRE([AM_SET_CURRENT_AUTOMAKE_VERSION])dnl
AC_REQUIRE([AC_PROG_INSTALL])dnl
if test "'cd $srcdir && pwd'' != "'pwd''"; then
# Use -I$(srcdir) only when $(srcdir) != ., so that make's output
# is not polluted with repeated "-I."
AC_SUBST([AM__isrc], [" -I$(srcdir)'])_AM_SUBST_NOTMAKE([AM__isrc])dnl
# test to see if srcdir already configured
if test -f $srcdir/config.status; then
AC_MSG_ERROR([source directory already configured; run "make distclean" there first])
fi
fi

# test whether we have cygpath
if test -z "$CYGPATH_W"; then
if (cygpath --version) >&/dev/null 2>/dev/null; then
    CYGPATH_W='cygpath -w'
else
    CYGPATH_W=echo
fi
fi
AC_SUBST([CYGPATH_W])

# Define the identity of the package.
dnl Distinguish between old-style and new-style calls.
m4_ifval([S2],
[m4_ifval([S3], [AM_SET_OPTION([no-define])])dnl
AC_SUBST([PACKAGE], [S1])dnl
AC_SUBST([VERSION], [S2]),
[AM_SET_OPTIONS([S1])]dnl

Diagnose old-style AC_INIT with new-style AM_AUTOMAKE_INIT.

m4_if(m4_ifdef([AC_PACKAGE_NAME], 1), m4_ifdef([AC_PACKAGE_VERSION], 1), 11,, [m4_fatal([AC_INIT should be called with package and version arguments])])

AC_SUBST([PACKAGE], [AC_PACKAGE_TARNAME])
AC_SUBST([VERSION], [AC_PACKAGE_VERSION])

__AM_IF_OPTION([no-define],,,
[AC_DEFINE_UNQUOTED(PACKAGE, "PACKAGE", [Name of package])
AC_DEFINE_UNQUOTED(VERSION, "$VERSION", [Version number of package])])

# Some tools Automake needs.
AC_REQUIRE([AM_SANITY_CHECK])
AC_REQUIRE([AC_ARG_PROGRAM])
AM_MISSING_PROG(ACLOCAL, aclocal-${am__api_version})
AM_MISSING_PROG(AUTOCONF, autoconf)
AM_MISSING_PROG(AUTOMAKE, automake-${am__api_version})
AM_MISSING_PROG(AUTOHEADER, autoheader)
AM_MISSING_PROG(MAKEINFO, makeinfo)
AM_PROG_INSTALL_SH
AM_PROG_INSTALL_STRIP
AC_REQUIRE([AM_PROG_MKDIR_P])

# We need awk for the "check" target. The system "awk" is bad on
# some platforms.
AC_REQUIRE([AC_PROG_AWK])
AC_REQUIRE([AC_PROG_MAKE_SET])
AC_REQUIRE([AM_SET_LEADING_DOT])

__AM_IF_OPTION([tar-ustar], [__AM_PROG_TAR([ustar])],
   [__AM_IF_OPTION([tar-pax], [__AM_PROG_TAR([pax])],
   [__AM_PROG_TAR([v7])])])

__AM_IF_OPTION([no-dependencies],,,
[AC_PROVIDE_IFELSE([AC_PROG_CC],
   [__AM_DEPENDENCIES(CC)],
   [define([AC_PROG_CC])])

AC_PROVIDE_IFELSE([AC_PROG_CXX],
   [__AM_DEPENDENCIES(CXX)],
   [define([AC_PROG_CXX])])

AC_PROVIDE_IFELSE([AC_PROG_OBJC],
   [__AM_DEPENDENCIES(OBJC)],
   [define([AC_PROG_OBJC])])

# When config.status generates a header, we must update the stamp-h file.
# This file resides in the same directory as the config header
# that is generated. The stamp files are numbered to have different names.

# Autoconf calls _AC_AM_CONFIG_HEADER_HOOK (when defined) in the
# loop where config.status creates the headers, so we can generate
# our stamp files there.
AC_DEFUN([_AC_AM_CONFIG_HEADER_HOOK],
[# Compute $1’s index in $config_headers.
  _am_arg=$1
  _am_stamp_count=1
for _am_header in $config_headers ;; do
  case $_am_arg in
    $_am_arg | $_am_arg:* )
      break ;;
    * )
      _am_stamp_count='expr $_am_stamp_count + 1' ;;
esac
  esac
done
  echo "timestamp for $_am_arg" >&3

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# AM_PROG_INSTALL_SH
# ------------------
# Define $install_sh.
AC_DEFUN([AM_PROG_INSTALL_SH],
[AC_REQUIRE([AM_AUX_DIR_EXPAND])dnl
install_sh=${install_sh-"$(SHELL) $am_aux_dir/install-sh"}
AC_SUBST(install_sh)]
)

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# serial 2

# Check whether the underlying file-system supports filenames
# with a leading dot. For instance MS-DOS doesn't.
AC_DEFUN([AM_SET_LEADING_DOT],
[rm -rf .tst 2>&dev/null
 mkdir .tst 2>&dev/null
if test -d .tst; then
  am__leading_dot=.
]
AC_SUBST([am__leading_dot=._])

else
  am__leading_dot=_
fi
rmdir .tst 2>/dev/null
AC_SUBST([am__leading_dot=._])

# Check to see how 'make' treats includes.  -*- Autoconf -*-

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#
# serial 3

# AM_MAKE_INCLUDE()
# -----------------
# Check to see how make treats includes.
AC_DEFUN([AM_MAKE_INCLUDE],
[am_make=${MAKE-make}]
cat > confinc << 'END'
am__doit:
@echo done
.PHONY: am__doit
END
# If we don't find an include directive, just comment out the code.
AC_MSG_CHECKING([for style of include used by $am_make])
am__include=#
am__quote=
_am_result=none
# First try GNU make style include.
echo "include confinc" > confmf
# We grep out 'Entering directory' and 'Leaving directory'
# messages which can occur if 'w' ends up in MAKEFLAGS.
# In particular we don't look at '^make:' because GNU make might
# be invoked under some other name (usually "gmake"), in which
# case it prints its new name instead of 'make'.
if test "'$am_make -s -f confmf 2> /dev/null | grep -v 'ing directory''" = "done"; then
  am__include=include
  am__quote=
  _am_result=GNU
fi
# Now try BSD make style include.
if test "$am__include" = "#"; then
  echo '.include "confinc"' > confmf
  if test "'$am_make -s -f confmf 2> /dev/null" = "done"; then
    am__include=.include
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# AM_PROG_MKDIR_P
# ---------------
# Check for 'mkdir -p'.
AC_DEFUN([AM_PROG_MKDIR_P], [AC_PREREQ([2.60])dnl
AC_REQUIRE([AC_PROG_MKDIR_P])dnl
dnl Automake 1.8 to 1.9.6 used to define mkdir_p. We now use MKDIR_P,
dnl while keeping a definition of mkdir_p for backward compatibility.
dnl @MKDIR_P@ is magic: AC_OUTPUT adjusts its value for each Makefile.
dnl However we cannot define mkdir_p as $(MKDIR_P) for the sake of
dnl Makefile.ins that do not define MKDIR_P, so we do our own
dnl adjustment using top_builddir (which is defined more often than
dnl MKDIR_P).
AC_SUBST([mkdir_p], ["$MKDIR_P"]dnl
case $mkdir_p in
  [[/\$]]* | ?:[[/\]]*) ;;
  */*) mkdir_p="$\$(top_builddir)/$mkdir_p" ;;
esac
)

# Helper functions for option handling.  
-*- Autoconf -*-

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# serial 3

# _AM_MANGLE_OPTION(NAME)
# ------------------------
AC_DEFUN([_AM_MANGLE_OPTION], [[_AM_OPTION_]m4_bpatsubst($1, [[^a-zA-Z0-9_]]), [_]])

# _AM_SET_OPTION(NAME)
# ----------------------
# Set option NAME. Presently that only means defining a flag for this option.
AC_DEFUN([_AM_SET_OPTION], [m4_define(_AM_MANGLE_OPTION([$1]), 1)])

# _AM_SET_OPTIONS(OPTIONS)
# -------------------------
# OPTIONS is a space-separated list of Automake options.
AC_DEFUN([_AM_SET_OPTIONS],
[AC_FOREACH([_AM_Option], [$1], [_AM_SET_OPTION(_AM_Option)])])

# _AM_IF_OPTION(OPTION, IF-SET, [IF-NOT-SET])
# -------------------------------------------
# Execute IF-SET if OPTION is set, IF-NOT-SET otherwise.
AC_DEFUN([_AM_IF_OPTION],
[m4_ifset(_AM_MANGLE_OPTION($1), [$2], [$3])])

# Check to make sure that the build environment is sane.  -*- Autoconf -*-

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#
# serial 4

# _AM_SANITY_CHECK
# ----------------
AC_DEFUN([_AM_SANITY_CHECK],
[AC_MSG_CHECKING([whether build environment is sane])]
# Just in case
sleep 1
echo timestamp > conftest.file
# Do 'set' in a subshell so we don't clobber the current shell's
# arguments.  Must try -L first in case configure is actually a
# symlink; some systems play weird games with the mod time of symlinks
# (eg FreeBSD returns the mod time of the symlink's containing
# directory).
if (set X 'ls -Lt $srcdir/configure conftest.file 2> /dev/null'
if test "$[*]" = "X"; then
  # -L didn't work.
  set X 'ls -t $srcdir/configure conftest.file'
fi
rm -f conftest.file
if test "$[*]" != "X $srcdir/configure conftest.file" \
  && test "$[*]" != "X conftest.file $srcdir/configure"; then

  # If neither matched, then we have a broken ls.  This can happen
  # if, for instance, CONFIG_SHELL is bash and it inherits a
  # broken ls alias from the environment.  This has actually
  # happened.  Such a system could not be considered "sane".
  AC_MSG_ERROR([ls -t appears to fail.  Make sure there is not a broken
  alias in your environment])

test "[$2]" = conf.test.file
)
then
  # Ok.
  :
else
  AC_MSG_ERROR([newly created file is older than distributed files!
Check your system clock])
fi
AC_MSG_RESULT(yes)])

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# AM_PROG_INSTALL_STRIP
# ---------------------
# One issue with vendor 'install' (even GNU) is that you can't
# specify the program used to strip binaries. This is especially
# annoying in cross-compiling environments, where the build's strip
# is unlikely to handle the host's binaries.
# Fortunately install-sh will honor a STRIPPROG variable, so we
# always use install-sh in 'make install-strip', and initialize
# STRIPPROG with the value of the STRIP variable (set by the user).
AC_DEFUN([AM_PROG_INSTALL_STRIP],
[AC_REQUIRE([AM_PROG_INSTALL_SH])dnl
# Installed binaries are usually stripped using 'strip' when the user
# run 'make install-strip'. However 'strip' might not be the right
# tool to use in cross-compilation environments, therefore Automake
# will honor the 'STRIP' environment variable to overrule this program.
dnl Don't test for $cross_compiling = yes, because it might be 'maybe'.
if test "$cross_compiling" != no; then
  AC_CHECK_TOOL([STRIP], [strip], :)
fi
INSTALL_STRIP_PROGRAM=""$(install_sh) -c -s"
AC_SUBST([INSTALL_STRIP_PROGRAM])])

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# _AM_SUBST_NOTMAKE(VARIABLE)
# ---------------------------------
# Prevent Automake from outputting VARIABLE = @VARIABLE@ in Makefile.in.
# This macro is traced by Automake.
AC_DEFUN([[_AM_SUBST_NOTMAKE]])

# Check how to create a tarball. 
AC_MSG_CHECKING([how to create a tar archive])
# Loop over all known methods to create a tar archive until one works.
# Do not fold the above two line into one, because Tru64 sh and
# Solaris sh will not grok spaces in the rhs of `-'.
for _am_tool in $_am_tools
    case $_am_tool in
        gnutar
            AM_RUN_LOG([$_am_tool --version]) && break
    esac

# serial 2

# __AM_PROG_TAR(FORMAT)
# ---------------------
# Check how to create a tarball in format FORMAT.
# FORMAT should be one of `v7', `ustar', or `pax'.
# 
# Substitute a variable $(am__tar) that is a command
# writing to stdout a FORMAT-tarball containing the directory
# $tardir.
#     tardir=directory && $(am__tar) > result.tar
# 
# Substitute a variable $(am__untar) that extract such
# a tarball read from stdin.
#     $(am__untar) < result.tar
# AC_DEFUN([[_AM_PROG_TAR]],
# [# Always define AMTAR for backward compatibility.
# AM_MISSING_PROG([AMTAR], [tar])
m4_if([$1], [v7],
    [am__tar='${AMTAR} chof - "$tardir"'; am__untar='${AMTAR} xf -'],
    [m4_case([$1], [ustar],, [pax],,
        [m4_fatal([Unknown tar format])]])
AC_MSG_CHECKING([how to create a $1 tar archive])
# Loop over all known methods to create a tar archive until one works.
# Do not fold the above two line into one, because Tru64 sh and
# Solaris sh will not grok spaces in the rhs of `-'.
for _am_tool in $_am_tools
    case $_am_tool in
        gnutar
            AM_RUN_LOG([$_am_tool --version]) && break
    esac

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# serial 2
done

am__tar="$_am_tar --format=m4_if([$1], [pax], [posix], [$1]) -chf - ""$tardir"
am__tar_="$_am_tar --format=m4_if([$1], [pax], [posix], [$1]) -chf - ""$tardir"
am__untar="$_am_tar -xf -"

plaintar)
# Must skip GNU tar: if it does not support --format= it doesn't create
# ustar tarball either.
(tar --version) >/dev/null 2>&1 && continue
am__tar='tar chf - "$tardir"
am__tar_='tar chf - "$tardir"
am__untar='tar xf -'

pax)
am__tar='pax -L -x $1 -w "$tardir"
am__tar_='pax -L -x $1 -w "$tardir"
am__untar='pax -r'

;;
cpio)
am__tar='find "$tardir" -print | cpio -o -H $1 -L'
am__tar_='find "$tardir" -print | cpio -o -H $1 -L'
am__untar='cpio -i -H $1 -d'

;;
one)
am__tar=false
am__tar_=false
am__untar=false

;;
esac

# If the value was cached, stop now. We just wanted to have am__tar
# and am__untar set.
test -n "[$am_cv_prog_tar_$1]" && break

# tar/untar a dummy directory, and stop if the command works
rm -rf conftest.dir
mkdir conftest.dir
echo GrepMe > conftest.dir/file
AM_RUN_LOG([tardir=conftest.dir && eval $am__tar_ >conftest.tar])
rm -rf conftest.dir
if test -s conftest.tar; then
    AM_RUN_LOG([${am__untar <conftest.tar}]
    grep GrepMe conftest.dir/file >/dev/null 2>&1 && break
fi
done
rm -rf conftest.dir

AC_CACHE_VAL([am_cv_prog_tar_$1], [am_cv_prog_tar_$1=$_am_tool])
AC_MSG_RESULT([$am_cv_prog_tar_$1])
AC_SUBST([am__tar])
AC_SUBST([am__untar])
) # _AM_PROG_TAR

#!/bin/sh
# Common stub for a few missing GNU programs while installing.

scriptversion=2003-09-02.23

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# configuration script generated by Autoconf, you may include it under
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if test $# -eq 0; then
echo 1>&2 "Try \$0 --help for more information"
exit 1
fi
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1.238 libevent2 2.0.21 :2.el6

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1.241 libgpg-error 1.7 :4.el6

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1.247 libidn_libs 1.18 :2.el6

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1.248 libjpeg-turbo 1.2.1 :3.el6_5

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DOCUMENTATION ROADMAP
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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
FILE FORMAT WARS Software *not* to get.
TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran,
rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or
more of the REFERENCES, then looking at the documentation files (in roughly
the order listed) before diving into the code.

OVERVIEW
========

This package contains C software to implement JPEG image encoding, decoding,
and transcoding. JPEG (pronounced "jay-peg") is a standardized compression
method for full-color and gray-scale images. JPEG's strong suit is compressing
photographic images or other types of images that have smooth color and
brightness transitions between neighboring pixels. Images with sharp lines or
other abrupt features may not compress well with JPEG, and a higher JPEG
quality may have to be used to avoid visible compression artifacts with such
images.
JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

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

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

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

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

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


The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from http://www.ecma-international.org/publications/techreports/E-TR-098.htm. A PostScript version of the JFIF document is available at http://www.ijg.org/files/jfif.ps.gz. There is also a plain text version at http://www.ijg.org/files/jfif.txt.gz, but it is missing the figures.

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

ARCHIVE LOCATIONS

The "official" archive site for this software is www.ijg.org. The most recent released version can always be found there in directory "files". This particular version will be archived as http://www.ijg.org/files/jpegsrc.v8d.tar.gz, and in Windows-compatible "zip" archive format as http://www.ijg.org/files/jpegsr8d.zip.
The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/. If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body
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FILE FORMAT WARS

The ISO JPEG standards committee actually promotes different formats like "JPEG 2000" or "JPEG XR", which are incompatible with original DCT-based JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files. Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

1.249 libnih 1.0.1 :7.el6

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1.251 libogg 1.1.4 :2.1.el6

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1.254 libpng 1.2.49 :2.el6_7
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* linux/include/libreswan/pfkeyv2.h
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Harald Jenny and Rene Mayrhofer, 2010-03-27
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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

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

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

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

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

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

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Whether this is true is especially significant if the work can be
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If such an object file uses only numerical parameters, data
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*/
#include "xmldef.h"

#ifdef XML_UNICODE_WCHAR_T
#ifdef XML_UNICODE
#else
#define XML_UNICODE
#endif
#endif

#include "hashtable.h"

#define INIT_SIZE 64

static
int keyeq(KEY s1, KEY s2)
{
    for (; *s1 == *s2; s1++, s2++)
        if (*s1 == 0)
            return 1;
    return 0;
}

static
unsigned long hash(KEY s)
{
    unsigned long h = 0;
    while (*s)
        h = (h << 5) + h + (unsigned char)*s++;
    return h;
}

NAMED *lookup(HASH_TABLE *table, KEY name, size_t createSize)
{
    size_t i;
    if (table->size == 0) {
        if (!createSize)
            return 0;
        table->v = calloc(INIT_SIZE, sizeof(NAMED *));
        if (!table->v)
            return 0;
        table->size = INIT_SIZE;
        table->usedLim = INIT_SIZE / 2;
        i = hash(name) & (table->size - 1);
    }
    else {
        unsigned long h = hash(name);
        for (i = h & (table->size - 1);
            table->v[i];
            }
i == 0 ? i = table->size - 1 : --i) {
    if (keyeq(name, table->v[i]->name))
        return table->v[i];
}
if (!createSize)
    return 0;
if (table->used == table->usedLim) {
    /* check for overflow */
    size_t newSize = table->size * 2;
    NAMED **newV = calloc(newSize, sizeof(NAMED *));
    if (!newV)
        return 0;
    for (i = 0; i < table->size; i++)
        if (table->v[i]) {
            size_t j;
            for (j = hash(table->v[i]->name) & (newSize - 1);
                 newV[j];
                j == 0 ? j = newSize - 1 : --j)
        };
    newV[j] = table->v[i];
}
    free(table->v);
    table->v = newV;
    table->size = newSize;
    table->usedLim = newSize/2;
    for (i = h & (table->size - 1);
         table->v[i];
        i == 0 ? i = table->size - 1 : --i)
    ;
}
}
table->v[i] = calloc(1, createSize);
if (!table->v[i])
    return 0;
table->v[i]->name = name;
    (table->used)++;
    return table->v[i];
}
void hashTableDestroy(HASH_TABLE *table)
{
    size_t i;
    for (i = 0; i < table->size; i++)
        if (p)
            free(p);
}
free(table->v);
void hashTableInit(HASH_TABLE *p)
{
    p->size = 0;
    p->usedLim = 0;
    p->used = 0;
    p->v = 0;
}

void hashTableIterInit(HASH_TABLE_ITER *iter, const HASH_TABLE *table)
{
    iter->p = table->v;
    iter->end = iter->p + table->size;
}

NAMED *hashTableIterNext(HASH_TABLE_ITER *iter)
{
    while (iter->p != iter->end) {
        NAMED *tem = *(iter->p)++;
        if (tem)
            return tem;
    }
    return 0;
}

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1.286 libXfont 1.4.5 :5.el6_7

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/* lib/font/fontfile/gunzip.c
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1.292 libXrandr 1.4.2 :1.el6

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README   this file
TODO    planned features not yet implemented (may be incomplete :-) 
BUGS    known problems (may also be incomplete :-)
VERSION  the current version number (note that this is an XSL stylesheets,
          included by both fo/docbook.xsl and html/docbook.xsl)
WhatsNew changes since the last public release (for a complete list
          of changes, see the ChangeLog file(s))
common/  contains code common to both stylesheets
          docs/    documentation
docsra/   documentation sources
extensions/ Java extensions
fo/ stylesheets that produce XSL FO
html/ stylesheets that produce HTML
htmlhelp/ stylesheets that produce HTML Help
images/ images
javahelp/ stylesheets that produce Java Help
lib/ contains schema-independent functions
template/ contains templates for building stylesheet customization layers
xhtml/ stylesheets that produce XHTML

Changes
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See the ChangeLog in each directory for additional information about the specific changes.

See WhatsNew for changes since the last release.

Installation
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Unpack the distribution somewhere.

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- html/docbook.xsl produces an HTML result tree
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* Merlin Hughes
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* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

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1.308 lzo 2.03 :3.1.el6_5.1

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

Written by: Philip Hazel
Email local part: ph10
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- Mark Andrews (mark_andrews@isc.org) Leitch atomic clock controller
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- Viraj Bais (vbais@mailman1.intel.com) and Clayton Kirkwood (kirkwood@striderfm.intel.com) port to WindowsNT 3.5
- Michael Barone (michael.barone@lmco.com) GPSVME fixes
- Karl Berry (karl@owl.HQ.ileaf.com) syslog to file option
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driver, generic TrueTime clock driver

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version = `eval VERSION=\`sed -e 's/.*\[\[\]/ -e 's/\]\]/ < ../version.m4`\[
  [ -z "$\{VERSION\}" ] && echo "Cannot determine VERSION" && kill -TERM $AG_pid
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2. [2]Mark Andrews <mark_andrews@isc.org> Leitch atomic clock controller
3. [3]Bernd Altmeier <altmeier@atlsoft.de> hopf Elektronik serial line and PCI-bus devices
5. [6]Michael Barone <michael.barone@lmco.com> GPSVME fixes
6. [7]Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
7. [8]Greg Brackley <greg.brackley@bigfoot.com> Major rework of WINNT port. Clean up recvbuf and iosignal code into separate modules.
8. [9]Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
9. [10]Piete Brooks <Piete.Brooks@cl.cam.ac.uk> MSF clock driver, Trimble PARSE support
10. [11]Nelson B Bolyard <nelson@bolyard.me> update and complete broadcast and crypto features in sntp
11. [12]Jean-Francois Boudreault <Jean-Francois.Boudreault@viagenie.qc.ca> IPv6 support
12. [13]Reg Clemens <reg@dwf.com> Oncore driver (Current maintainer)
13. [14]Steve Clift <clift@ml.csiro.au> OMEGA clock driver
14. [15]Casey Crellin <casey@csc.co.za> vxWorks (Tornado) port and help with target configuration
15. [16]Sven Dietrich <sven_dietrich@trimble.com> Palisade reference clock driver, NT adj. residuals, integrated Greg’s Winnt port.
17. [18]Torsten Duwe <duwe@immd4.informatik.uni-erlangen.de> Linux port
18. [19]Dennis Ferguson <dennis@mrbill.canet.ca> foundation code for NTP Version 2 as specified in RFC-1119
19. [20]John Hay <jhay@icomtek.csir.co.za> IPv6 support and testing
20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
23. [24]Mike Iglesias <iglesias@uci.edu> DEC Alpha port
24. [25]Jim Jagielski <jim@jagubox.gsfc.nasa.gov> A/UX port
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31. [34]Craig Leres <leres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox GPS clock driver
32. [35]George Lindholm <lindholm@ucs.ubc.ca> SunOS 5.1 port
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35. [38]Danny Mayer <mayer@ntp.org> Network I/O, Windows Port, Code Maintenance
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39. [42]Tom Moore <tmoore@fievel.daytonoh.ncr.com> i386 svr4 port
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41. [44]Derek Mulcahy <derek@toybox.demon.co.uk> and [45]Damon Hart-Davis <d@hd.org> ARCRON MSF clock driver
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43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
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45. [49]Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
46. [50]Nick Sayer <mrapple@quack.kfu.com> SunOS streams modules
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51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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53. [57]Ajit Thyagarajan <ajit@ee.udel.edu> IP multicast/anycast support
54. [58]Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
55. [59]Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
56. [60]Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

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To protect each distributor, we want to make it very clear that there is no warranty for the free library. Also, if the library is modified by someone else and passed on, the recipients should know that what they have is not the original version, so that the original author's reputation will not be affected by problems that might be introduced by others.

Finally, software patents pose a constant threat to the existence of any free program. We wish to make sure that a company cannot effectively restrict the users of a free program by obtaining a
restrictive license from a patent holder. Therefore, we insist that any patent license obtained for a version of the library must be consistent with the full freedom of use specified in this license.

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

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

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

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

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

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

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

^L

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

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

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

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

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

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.
In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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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.

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

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

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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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Preamble

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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 a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

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

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on the Library (independent of the use of the Library in a tool for
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   a) The modified work must itself be a software library.
b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

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

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

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

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

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

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

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

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

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

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the
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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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@example
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when it starts in an interactive mode:

@example
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details
type `show w'.  This is free software, and you are welcome
to redistribute it under certain conditions; type `show c'
for details.
@example
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@end group
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1.375 pixman 0.32.8 :1.el6

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

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

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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inbot-utils (https://github.com/Inbot/inbot-utils)

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var WebBrowser = '<OBJECT ID="WebBrowser1" WIDTH="0" HEIGHT="0" CLASSID="CLSID:8856F961-340A-11D0-A96B-00C04FD705A2"></OBJECT>';
document.body.insertAdjacentHTML('beforeEnd', WebBrowser);
    WebBrowser1.ExecWB(6, 2);//Use a 1 vs. a 2 for a prompting dialog box  WebBrowser1.outerHTML = "";
}
</script>
</div>
<!--================= end Tabs ==================-->
</td>
</tr>
</tbody>
</table>
<!--================= end Status ==================-->
<table id="main" width="100%" cellpadding="8" cellspacing="0" summary="" border="0">
<tbody>
<tr valign="top">
<!--================= start Menu ==================-->
<td id="leftcol">
<div id="navcolumn">
<div class="menuBar">
<div class="menu">
<span class="menuLabel">Overview</span>
<div class="menuItem">
<a href="index.html">Home</a>
</div>
<div class="menuItem">
<a href="download.html">Download</a>
</div>
<div class="menuItem">
<a href="overview.html">Components</a>
</div>
<div class="menuItem">
<a href="text-extraction.html">Text Extraction</a>
</div>
<div class="menuItem">
<a href="encryption.html">Encryption support</a>
</div>
</div>
<script language="Javascript" type="text/javascript">
var NS = (navigator.appName == "Netscape");
var VERSION = parseInt(navigator.appVersion);
if (VERSION > 3) {
    document.write('  <a title="PRINT this page OUT" href="javascript:printit()">PRINT</a>');
}
</script>
</td>
</tr>
</tbody>
</table>
<!--================= end Menu ==================-->
</div>
</div>
Open Source Used In Unified Communications Manager 12.0(1)SU3

4313
Component APIs

Excel (SS=HSSF+XSSF+SXSSF)

PowerPoint (SL=HSLF+XSLF)

Word (WP=HWPF+XWPF)

Outlook (HSMF)

Visio (HDGF+XDGF)

Publisher (HPBF)

Low-level Component APIs

OLE2 Filesystem (POIFS)

OLE2 Document Props (HPSF)
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1.380 poi 3.7

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#
# Usage: $progname [OPTION]... [MODE-ARG]...
#

1.390 pth 2.0.7 :9.3.el6
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___ _ _
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| |\ |\ \ |\ How do I know? Well, James Bond
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GNU Pth - The GNU Portable Threads

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========

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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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Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data
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functions (ten lines or less in length), then the use of the object
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Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
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6. As an exception to the Sections above, you may also combine or
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      with the Library, with the complete machine-readable "work that
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-- Lennart Poettering, April 20th, 2006.
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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.
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   (For example, a function in a library to compute square roots has
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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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A. HISTORY OF THE SOFTWARE

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

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

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

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

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1.402 redhat-logos 60.0.14 :12.el6.centos

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1.421 shared-mime-info 0.70 :6.el6

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1.443 tcl 8.5.7 :6.el6

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1.445 tcpdump 4.0.0
:9.20090921gitdf3cb4.2.el6
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1.446 tcsh 6.17 :35.el6

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People who have contributed to tcsh for win32 with bugfixes, functionality, and other useful pieces of code. If I've left you out, please let me know!

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  */
*/
/*
* config.h -- configure various defines for tcsh
*
* All source files should #include this FIRST.
*
* Edit this to match your system type.
*/

#ifndef __h_config
#define __h_config
/**************************** System dependant compilation flags ****************************
/*
* POSIXThis system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX

/*
* POSIXJOBSThis system supports the optional IEEE Std 1003.1-1988 (POSIX)
* job control facilities.
*/
#undef POSIXJOBS

/*
* VFORKThis machine has a vfork().
* It used to be that for job control to work, this define
* was mandatory. This is not the case any more.
* If you think you still need it, but you don't have vfork,
* define this anyway and then do #define vfork fork.
* I do this anyway on a Sun because of yellow pages brain damage,
* [should not be needed under 4.1]
* and on the iris4d cause SGI's fork is sufficiently "virtual"
* that vfork isn't necessary. (Besides, SGI's vfork is weird).
* Note that some machines eg. rs6000 have a vfork, but not
* with the berkeley semantics, so we cannot use it there either.
*/
#define VFORK

/*
* BSDJOBSYou have BSD-style job control (both process groups and
* a tty that deals correctly
#define BSDJOBS

/*
 * BSDTIMES You have BSD-style process time stuff (like rusage)
 * This may or may not be true. For example, Apple Unix
 * (OREO) has BSDJOBS but not BSDTIMES.
 */
#define BSDTIMES

/*
 * BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
 */
#define BSDLIMIT

/*
 * TERMIO You have struct termio instead of struct sg ttyb.
 * This is usually the case for SYSV systems, where
 * BSD uses sg ttyb. POSIX systems should define this
 * anyway, even though they use struct termios.
 */
#undef TERMIO

/*
 * SYSVREL Your machine is SYSV based (HPUX, A/UX)
 * NOTE: don't do this if you are on a Pyramid -- t csh is
 * built in a BSD universe.
 * Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
 * you are running. Or set it to 0 if you are not SYSV based
 */
#define SYSVREL 0

/*
 * YPBUGS Work around Sun YP bugs that cause expansion of ~username
 * to send command output to /dev/null
 */
#undef YPBUGS

/ ****************** local defines ******************/

#undef NLS_CATALOGS
#endif /* _h_config */

1.447 texinfo 4.13a :8.el6
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1.450 tmpwatch 2.9.16 :6.el6

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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  - javaee_web_services_client_1_3.xsd
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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 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 combine or
link a “work that uses the Library” with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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

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

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

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

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

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

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

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

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

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

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.
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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

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

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

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

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

That's all there is to it!

1.456 Trio 0.0
1.456.1 Available under license :

README -- trio

Trio is a package with portable string functions. Including printf() clones 
and others.

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MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE AUTHORS AND 
CONTRIBUTORS ACCEPT NO RESPONSIBILITY IN ANY CONCEIVABLE MANNER.

Trio is intended to be an integral part of another application, so we 
have not done anything to create a proper installation.

Compile with 'make' (edit the Makefile if you want a release build)

Test the package with 'make test'

Install by copying trio.h, triop.h, and libtrio.a (and man/man?/* if 
you want documentation) to the appropriate directories.

Catch some usage examples in example.c

Send feedback and patches to the mailing list, subscription and other 
information is found here:

    http://lists.sourceforge.net/lists/listinfo/ctrio-talk
Enjoy!

Trio web page

http://daniel.haxx.se/trio/

1.457 ttmkfdi 3.0.9 :32.1.el6

1.457.1 Available under license:

LICENSE
=======

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Yu Shao <yshao@redhat.com>
8 January 2003
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   Version 2, June 1991

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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

This license, the Library General Public License, applies to some
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your libraries, too.

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if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.
To protect your rights, we need to make restrictions that forbid anyone to deny you these rights or to ask you to surrender the rights. These restrictions translate to certain responsibilities for you if you distribute copies of the library, or if you modify it.

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

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

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

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

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

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

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

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

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

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

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated
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
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/*
$Id: LICENSE.txt 156 2003-09-26 17:36:37Z jstrachan $

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jaxb-api-2.1.jar,
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jaxb-xjc-2.1.7.jar,
jsr181-api-1.0-MR1.jar,
jsr250-api-1.0.jar,
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@@ -1,12 +1,12 @@
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1.463 unixodbc 2.2.12

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

Despite the fact that our "normal" code has been entirely rewritten
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VI SDK for Java 1.0 (tech preview)
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1.490 zlib 1.2.3

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/* zlib.h -- interface of the 'zlib' general purpose compression library
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