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1.249 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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1.2 acl 2.2.49 :6.el6
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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1.11 atmel-firmware 1.3 :7.el6

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the version number 2.1.]
Preamble

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.
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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
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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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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
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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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.

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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
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Return-Path: friedman@cli.com
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id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
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From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

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

John DuBois

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

John
{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 UniversityInternet: chet@po.CWRU.Edu

}-- End of excerpt from Chet Ramey

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1.20 Bean Validation API 1.1.0.Final
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1.21 binutils 2.20.51.0.2 :5.36.el6

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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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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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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
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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.

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
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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
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library, provided that the separate distribution of the work based on
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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
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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.

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

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

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

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

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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<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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distribution or on the World Wide Web at
http://www.gnu.org/licenses/old-licenses/lgpl-2.1.html. You can also
obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

CrackLib was originally licensed with a variant of the Artistic
license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec Muffett. Cracklib's license was changed from the GPL to the LGPL after consensus of all previous developers in October 2008, effective with release 2.8.15 released on 2009-11-19. See the email discussion below for both license changes.

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

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

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

Attachments: Message as HTML

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

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

> -----Original Message-----
> From: cracklib-devel-bounces@li...
> [mailto:cracklib-devel-bounces@li...] On Behalf Of
Open Source Used In Cisco Prime Access Registrar Jumpstart 7.2.1

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

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The below email references nneul@umr.edu address, as that is the address
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-------------------------------
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Received: from umr-expproto2.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
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/tarballs? I have all the original discussion, but something succinct and self contained
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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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-ips.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47]) by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142]) by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3]) by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 11cOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFEBE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)
X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

>
> -------- Forwarded message --------
> From: Neulinger, Nathan <nneul@umr.edu>
> Date: Sep 27, 2007 2:58 PM
> Subject: RE: cracklib license
> To: alecm@crypto.dircon.co.uk
> 
> Any chance you could write me a self-contained email stating clearly
> that the license is being changed to GPL, so I could include that
> email
> in the repository and clean up the repository/tarballs? I have all the
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> ideal.
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-) -a

1.46 crda 1.1.1_2010.11.22 :1.el6
1.46.1 Available under license:

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This package was debianized by Luis Rodriguez <mcgrof@gmail.com> on Thu, 22 Jan 2009 16:00:00 +0100.

The crda packages was downloaded from <http://wireless.kernel.org/download/crda/>

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1.47 cronie 1.4.4 :12.el6

1.47.1 Available under license:

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when it starts in an interactive mode:

    Gnomovision version 69, Copyright (C) year name of author
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1.6 Using `gettext' in new packages

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Once the sources are changed appropriately and the setup can handle the use of `gettext' the only thing missing are the translations. The Free Translation Project is also available for packages which are not developed inside the GNU project. Therefore the information given above applies also for every other Free Software Project. Contact `translation@iro.umontreal.ca' to make the `.pot' files available to the translation teams.

/*
 * AFsplitter - Anti forensic information splitter
 * Copyright 2004, Clemens Fruhwirth <clemens@endorphin.org>
 * Copyright (C) 2009 Red Hat, Inc. All rights reserved.
 * 
 * AFsplitter diffuses information over a large stripe of data,
 * therefore supporting secure data destruction.
 * 
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 * modify it under the terms of the GNU General Public License
 * version 2 as published by the Free Software Foundation.
 * 
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 * but WITHOUT ANY WARRANTY; without even the implied warranty of
 * MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
 * GNU Library 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.
 */
1.50 cups 1.4.2 :50.el6_4.5

1.50.1 Available under license :

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1 Infinite Loop
Cupertino, CA 95014 USA

WWW: http://www.cups.org/

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You should also get your employer (if you work as a programmer) or your
school, if any, to sign a "copyright disclaimer" for the library, if
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library 'Frob' (a library for tweaking knobs) written by James Random Hacker.

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That's all there is to it!

1.51 curl 7.19.7 :46.el6
1.51.1 Available under license :

License Mixing with apps, libcurl and Third Party Libraries
=================================================================

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

I am not a lawyer and this is not legal advice!

One common dilemma is that GPL[1]-licensed code is not allowed to be linked
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accompany your license with an exception[2]. This particular problem was
addressed when the Modified BSD license was created, which does not have the
announcement clause that collides with GPL.

libcurl http://curl.haxx.se/docs/copyright.html
Uses an MIT (or Modified BSD)-style license that is as liberal as possible. Some of the source files that deal with KRBr have Original BSD-style announce-clause licenses. You may not distribute binaries with krb4-enabled libcurl that also link with GPL-licensed code!

OpenSSL http://www.openssl.org/source/license.html

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GnuTLS http://www.gnútls.org/

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yassl http://www.yassl.com/

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c-ares http://daniel.haxx.se/projects/c-ares/license.html

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

zlib http://www.gzip.org/zlib/zlib_license.html

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn’t collide with any other library.

krb4
While nothing in particular says that a Kerberos4 library must use any particular license, the one I've tried and used successfully so far (kth-krb4) is partly Original BSD-licensed with the announcement clause. Some of the code in libcurl that is written to deal with Kerberos4 is Modified BSD-licensed.

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fbopenssl

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1.52 cyrus-sasl 2.1.23 :13.el6_3.1

1.52.1 Notifications:

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    * Rob Earhart
    * Rob Siemborski
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    /
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1.53 dash 0.5.5.1 :4.el6

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analogous to running a utility program or application program. However, in
textual and legal sense, the linked executable is a combined work, a
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Because of this blurred distinction, using the ordinary General
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concluded that weaker conditions might promote sharing better.

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

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
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If distribution of object code is made by offering access to copy
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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
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functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
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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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1.61 device-mapper-persistent-data 0.2.8
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1.68 dracut 004 :335.el6

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Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
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+ trivial database library - standalone version

- trivial database library - private includes
-
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This is the Debian GNU/Linux prepackaged version of the ss
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otherwise packaged as "e2fsprogs".
This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Fri Dec 14 22:24:35 EST 2007

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Theodore Ts'o
23-June-2007
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Hacked from xprintf version of 26th February 2005 to provide only vasprintf by Reuben Thomas <rrt@sc3d.org>.

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1.80 findutils 4.4.2 :6.el6

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   (For example, a function in a library to compute square roots has...
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#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# The plan is that this can be called by configure scripts if you
# don't specify an explicit build system type.
/*

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

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

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

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

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1.89 gdb 7.2

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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 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 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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[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.

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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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which use some of those functions and data) to form executables.

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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 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.

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If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
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1.90 gdbm 1.8.0 :36.el6

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# on host `hostname || uname -n) 2>/dev/null | sed 1q':
#  
#  CC="$old_CC" CFLAGS="$old_CFLAGS" CPPFLAGS="$old_CPPFLAGS" \ 
#  LD="$old_LD" NM="$old_NM" RANLIB="$old_RANLIB" LN_S="$old_LN_S" \ 
#  $OSltconfig_args
#  
# Compiler and other test output produced by $progname, useful for
# debugging $progname, is in ./config.log if it exists.
install - install a program, script, or datafile
# This comes from X11R5 (mit/util/scripts/install.sh).
#  
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#  
# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#  
# This script is compatible with the BSD install script, but was written
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1.91 giflib 4.1.6 :3.1.el6
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1.92 glib2 2.26.1 :3.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
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

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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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That's all there is to it!

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

Written by: Philip Hazel <ph10@cam.ac.uk>

University of Cambridge Computing Service,

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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.

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

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

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

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

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

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

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

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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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Version 3, 29 June 2007

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

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GNU MP is a library for arbitrary precision arithmetic, operating on signed integers, rational numbers, and floating point numbers. It has a rich set of functions, and the functions have a regular interface.

GNU MP is designed to be as fast as possible, both for small operands and huge operands. The speed is achieved by using fullwords as the basic arithmetic type, by using fast algorithms, with carefully optimized assembly code for the most common inner loops for lots of CPUs, and by a general emphasis on speed (instead of simplicity or elegance).

GNU MP is believed to be faster than any other similar library. Its advantage increases with operand sizes for certain operations, since GNU MP in many cases has asymptotically faster algorithms.

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OVERVIEW OF GNU MP

There are five classes of functions in GNU MP.

1. Signed integer arithmetic functions (mpz). These functions are intended to be easy to use, with their regular interface. The associated type is 'mpz_t'.

2. Rational arithmetic functions (mpq). For now, just a small set of functions necessary for basic rational arithmetics. The associated type is 'mpq_t'.

3. Floating-point arithmetic functions (mpf). If the C type 'double' doesn't give enough precision for your application, declare your variables as 'mpf_t' instead, set the precision to any number desired, and call the functions in the mpf class for the arithmetic operations.

4. Positive-integer, hard-to-use, very low overhead functions are in the mpn class. No memory management is performed. The caller must ensure enough space is available for the results. The set of functions is not regular, nor is the calling interface. These functions accept input arguments in the form of pairs consisting of a pointer to the least significant word, and an integral size telling how many limbs (= words) the pointer points to.
Almost all calculations, in the entire package, are made by calling these low-level functions.

5. Berkeley MP compatible functions.

To use these functions, include the file "mp.h". You can test if you are using the GNU version by testing if the symbol __GNU_MP__ is defined.

For more information on how to use GNU MP, please refer to the documentation. It is composed from the file doc/gmp.texi, and can be displayed on the screen or printed. How to do that, as well how to build the library, is described in the INSTALL file in this directory.

REPORTING BUGS

If you find a bug in the library, please make sure to tell us about it!

You should first check the GNU MP web pages at http://gmplib.org/, under "Status of the current release". There will be patches for all known serious bugs there.

Report bugs to gmp-bugs@gmplib.org. What information is needed in a useful bug report is described in the manual. The same address can be used for suggesting modifications and enhancements.

1.95 gnupg2 2.0.14 :6.el6_4
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1.102 gtk2 2.20.1 :4.el6

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# This file is distributed under the terms of GNU General Public License (GPL)
# Gurban MĂ‡hemmet Tewekgeli <gmtavakkoli@yahoo.com>, 2004.
#
#
msgid ""
msgstr ""
"Project-Id-Version: gtk+ VERSION\n"
"Report-Msgid-Bugs-To: 
"
"POT-Creation-Date: 2010-05-02 21:21-0400\n"
"PO-Revision-Date: 2004-05-25 17:46+0330\n"
"Last-Translator: Gurban MĂ‡hemmet Tewekgeli <gmtavakkoli@yahoo.com>\n"
"Language-Team: Turkmen <kakilikgroup@yahoo.com>\n"
"MIME-Version: 1.0\n"
"Content-Type: text/plain; charset=UTF-8\n"
"Content-Transfer-Encoding: 8bit\n"
"Plural-Forms: nplurals=2; plural=(n != 1);\n"

#: gdk/gdk.c:103
#, c-format
msgid "Error parsing option --gdk-debug"
msgstr ""

#: gdk/gdk.c:123
msgid "Error parsing option --gdk-no-debug"
msgstr ""

#: gdk/gdk.c:151
msgid "Program class as used by the window manager"
msgstr ""

#: gdk/gdk.c:152
msgid "CLASS"
msgstr ""

#: gdk/gdk.c:154
msgid "Program name as used by the window manager"
msgstr ""

#: gdk/gdk.c:155
msgid "NAME"
msgstr ""

#: gdk/gdk.c:157
msgid "X display to use"
msgstr ""

#: gdk/gdk.c:158
msgid "DISPLAY"
msgstr ""

#: gdk/gdk.c:160
msgid "X screen to use"
msgstr ""

#: gdk/gdk.c:161
msgid "SCREEN"
msgstr ""

#: gdk/gdk.c:164
msgid "Gdk debugging flags to set"
msgstr ""
# Placeholder in --gdk-debug=FLAGS in --help output
# Placeholder in --gdk-no-debug=FLAGS in --help output
# Placeholder in --gtk-debug=FLAGS in --help output
# Placeholder in --gtk-no-debug=FLAGS in --help output
#: gdk/gdk.c:165 gdk/gdk.c:168 gtk/gtkmain.c:459 gtk/gtkmain.c:462
msgid "FLAGS"
msgstr ""

#: Description of --gdk-no-debug=FLAGS in --help output
#: gdk/gdk.c:167
msgid "Gdk debugging flags to unset"
msgstr ""

#: gdk/keyname-table.h:3940
#, fuzzy
msgctxt "keyboard label"
msgid "BackSpace"
msgstr "_Adyny Ewez Et"

#: gdk/keyname-table.h:3941
msgctxt "keyboard label"
msgid "Tab"
msgstr ""

#: gdk/keyname-table.h:3942
msgctxt "keyboard label"
msgid "Return"
msgstr ""

#: gdk/keyname-table.h:3943
#, fuzzy
msgctxt "keyboard label"
msgid "Pause"
msgstr "ÃabÅŸyr"

#: gdk/keyname-table.h:3944
msgctxt "keyboard label"
msgid "Scroll_Lock"
msgstr ""

#: gdk/keyname-table.h:3945
#, fuzzy
msgctxt "keyboard label"
msgid "Sys_Req"
msgstr "Faýllar"

#: gdk/keyname-table.h:3946
msgctxt "keyboard label"
msgid "Escape"
msgstr ""

#: gdk/keyname-table.h:3947
msgctxt "keyboard label"
msgid "Multi_key"
msgstr ""

#: gdk/keyname-table.h:3948
#, fuzzy
msgctxt "keyboard label"
msgid "Home"
msgstr "Å#150;Ä½"

#: gdk/keyname-table.h:3949
#, fuzzy
msgctxt "keyboard label"
msgid "Left"
msgstr "_Å#135;ep"

#: gdk/keyname-table.h:3950
#, fuzzy
msgctxt "keyboard label"
msgid "Up"
msgstr "_Åokary"

#: gdk/keyname-table.h:3951
msgctxt "keyboard label"
msgid "Right"
msgstr ""

#: gdk/keyname-table.h:3952
#, fuzzy
msgctxt "keyboard label"
msgid "Down"
msgstr "_Â#159;ak"

#: gdk/keyname-table.h:3953
#, fuzzy
msgctxt "keyboard label"
msgid "Page_Up"
msgstr "%u sahypasy"

#: gdk/keyname-table.h:3954
#, fuzzy
msgctxt "keyboard label"
msgid "Page_Down"
msgid "KP_Home"
msgstr "_Å&amp;#150;Ä½"

#: gdk/keyname-table.h:3964
#, fuzzy
msgctxt "keyboard label"
msgid "KP_Left"
msgstr "_Å&amp;#135;ep"

#: gdk/keyname-table.h:3965
#, fuzzy
msgctxt "keyboard label"
msgid "KP_Up"
msgstr "_Åokary"

#: gdk/keyname-table.h:3966
msgctxt "keyboard label"
msgid "KP_Right"
msgstr ""

#: gdk/keyname-table.h:3967
#, fuzzy
msgctxt "keyboard label"
msgid "KP_Down"
msgstr "_Å&amp;#159;ak"

#: gdk/keyname-table.h:3968
msgctxt "keyboard label"
msgid "KP_Page_Up"
msgstr ""

#: gdk/keyname-table.h:3969
msgctxt "keyboard label"
msgid "KP_Prior"
msgstr ""

#: gdk/keyname-table.h:3970
msgctxt "keyboard label"
msgid "KP_Page_Down"
msgstr ""

#: gdk/keyname-table.h:3971
msgctxt "keyboard label"
msgid "KP_Next"
msgstr ""

#: gdk/keyname-table.h:3972
msgctxt "keyboard label"
msgid "KP_End"
msgstr ""

#: gdk/keyname-table.h:3973
msgctxt "keyboard label"
msgid "KP_Begin"
msgstr ""

#: gdk/keyname-table.h:3974
msgctxt "keyboard label"
msgid "KP_Insert"
msgstr ""

#: gdk/keyname-table.h:3975
#, fuzzy
msgctxt "keyboard label"
msgid "KP_Delete"
msgstr "_Poz"

#: gdk/keyname-table.h:3976
#, fuzzy
msgctxt "keyboard label"
msgid "Delete"
msgstr "_Poz"

#: gdk-pixbuf/gdk-pixbuf-animation.c:133 gdk-pixbuf/gdk-pixbuf-io.c:982
#: gdk-pixbuf/gdk-pixbuf-io.c:1242 tests/testfilechooser.c:222
#, c-format
msgid "Failed to open file '%s': %s"
msgstr ""

#: gdk-pixbuf/gdk-pixbuf-animation.c:146 gdk-pixbuf/gdk-pixbuf-io.c:994
#, c-format
msgid "Image file '%s' contains no data"
msgstr ""

#: gdk-pixbuf/gdk-pixbuf-animation.c:188 gdk-pixbuf/gdk-pixbuf-io.c:1030
#: gdk-pixbuf/gdk-pixbuf-io.c:1294 tests/testfilechooser.c:267
#, c-format
msgid "Failed to load image '%s': reason not known, probably a corrupt image file"
msgstr ""

#: gdk-pixbuf/gdk-pixbuf-animation.c:221
#, c-format
msgid "Failed to load animation '%s': reason not known, probably a corrupt animation file"
msgid "Failed to open temporary file"
msgidstr "WaglaÄ½yn faÄ½ly aÄ吗aka hata boldy"

#: gdk-pixbuf/gdk-pixbuf-io.c:1791
msgid "Failed to read from temporary file"
msgidstr "WaglaÄ½yn faÄ½ldan okamakda hata boldy"

#: gdk-pixbuf/gdk-pixbuf-io.c:2044
#, c-format
msgid "Failed to open '%s' for writing: %s"
msgidstr "'%s' faÄ½ly Ä½azmak uÄ吗in aÄ吗aka hata boldy: %s"

#: gdk-pixbuf/gdk-pixbuf-io.c:2070
#, c-format
msgid "" "Failed to close '%s' while writing image, all data may not have been saved: %" "s"
msgidstr ""

msgid "Insufficient memory to save image into a buffer"
msgidstr ""

#: gdk-pixbuf/gdk-pixbuf-io.c:2387
#, fuzzy
msgid "Error writing to image stream"
msgidstr "Resim faÄ½la Ä½azmakda hata boldy: %s"

#: gdk-pixbuf/gdk-pixbuf-loader.c:330
#, c-format
msgid "" "Internal error: Image loader module '%s' failed to complete an operation, " "but didn't give a reason for the failure"
msgidstr ""

#: gdk-pixbuf/gdk-pixbuf-loader.c:372
#, c-format
msgid "Incremental loading of image type '%s' is not supported"
msgidstr ""

#: gdk-pixbuf/gdk-pixdata.c:147
msgid "Image header corrupt"
msgidstr "Resym BaÄ™&克莱159;lygy Pasyd Bouldir"

#: gdk-pixbuf/gdk-pixdata.c:152
msgid "Image format unknown"
msgidstr "Resim hili natany&A克莱159;;"
msgstr "BMP resimde arkalamaşan başlyg ululyky bar"

#: gdk-pixbuf/io-bmp.c:357
msgid "Topdown BMP images cannot be compressed"
msgstr ""

#: gdk-pixbuf/io-bmp.c:717 gdk-pixbuf/io-pnm.c:709
msgid "Premature end-of-file encountered"
msgstr ""

#: gdk-pixbuf/io-bmp.c:1329
msgid "Couldn't allocate memory for saving BMP file"
msgstr ""

#: gdk-pixbuf/io-bmp.c:1370
msgid "Couldn't write to BMP file"
msgstr ""

#: gdk-pixbuf/io-bmp.c:1423 gdk-pixbuf/io-gdip-bmp.c:82
msgid "The BMP image format"
msgstr "BMP resim hili"

#: gdk-pixbuf/io-gif.c:222
#, c-format
msgid "Failure reading GIF: %s"
msgstr ""

msgid "GIF file was missing some data (perhaps it was truncated somehow?)"
msgstr ""

#: gdk-pixbuf/io-gif.c:505
#, c-format
msgid "Internal error in the GIF loader (%s)"
msgstr ""

#: gdk-pixbuf/io-gif.c:579
msgid "Stack overflow"
msgstr ""

#: gdk-pixbuf/io-gif.c:639
msgid "GIF image loader cannot understand this image."
msgstr ""

#: gdk-pixbuf/io-gif.c:668
msgid "Bad code encountered"
msgstr ""
#: gdk-pixbuf/io-icns.c:397
#, fuzzy
msgid "The ICNS image format"
msgstr "GIF resim hili"

#: gdk-pixbuf/io-jasper.c:75
msgid "Couldn't allocate memory for stream"
msgstr ""

#: gdk-pixbuf/io-jasper.c:105
#, fuzzy
msgid "Couldn't decode image"
msgstr "Renk Sañlawy"

#: gdk-pixbuf/io-jasper.c:123
msgid "Transformed JPEG2000 has zero width or height"
msgstr ""

#: gdk-pixbuf/io-jasper.c:137
#, fuzzy
msgid "Image type currently not supported"
msgstr "Resimiň '%s' hili arkalanmaýar"

msgid "Couldn't allocate memory for color profile"
msgstr ""

#: gdk-pixbuf/io-jasper.c:183
msgid "Insufficient memory to open JPEG 2000 file"
msgstr ""

#: gdk-pixbuf/io-jasper.c:262
msgid "Couldn't allocate memory to buffer image data"
msgstr ""

#: gdk-pixbuf/io-jasper.c:306
#, fuzzy
msgid "The JPEG 2000 image format"
msgstr "BMP resim hili"

#: gdk-pixbuf/io-jpeg.c:117
#, c-format
msgid "Error interpreting JPEG image file (%s)"
msgstr ""

#: gdk-pixbuf/io-jpeg.c:528
msgid ""
"Insufficient memory to load image, try exiting some applications to free "
"memory"
msgid ""

#: gdk-pixbuf/io-jpeg.c:569 gdk-pixbuf/io-jpeg.c:775
#, c-format
msgid "Unsupported JPEG color space (%s)"
msgid ""

#: gdk-pixbuf/io-jpeg.c:1186
msgid "Couldn't allocate memory for loading JPEG file"
msgid ""

#: gdk-pixbuf/io-jpeg.c:919
msgid "Transformed JPEG has zero width or height."
msgid ""

#: gdk-pixbuf/io-jpeg.c:1133 gdk-pixbuf/io-gdip-jpeg.c:53
#, c-format
msgid ""
"JPEG quality must be a value between 0 and 100; value ‘%s’ could not be "
"parsed."
msgid ""

#: gdk-pixbuf/io-jpeg.c:1148 gdk-pixbuf/io-gdip-jpeg.c:68
#, c-format
msgid ""
"JPEG quality must be a value between 0 and 100; value ‘%d’ is not allowed."
msgid ""

#: gdk-pixbuf/io-jpeg.c:1310 gdk-pixbuf/io-gdip-jpeg.c:136
msgid "The JPEG image format"
msgid ""

#: gdk-pixbuf/io-pcx.c:187
msgid "Couldn't allocate memory for header"
msgid ""

#: gdk-pixbuf/io-pcx.c:202 gdk-pixbuf/io-pcx.c:560
msgid "Couldn't allocate memory for context buffer"
msgid ""

#: gdk-pixbuf/io-pcx.c:601
msgid "Image has invalid width and/or height"
msgid ""

#: gdk-pixbuf/io-pcx.c:613 gdk-pixbuf/io-pcx.c:674
msgid "Image has unsupported bpp"
msgstr ""

#: gdk-pixbuf/io-pcx.c:618 gdk-pixbuf/io-pcx.c:626
#, c-format
msgid "Image has unsupported number of %d-bit planes"
msgstr ""

#: gdk-pixbuf/io-pcx.c:642
msgid "Couldn't create new pixbuf"
msgstr ""

#: gdk-pixbuf/io-pcx.c:650
msgid "Couldn't allocate memory for line data"
msgstr ""

#: gdk-pixbuf/io-pcx.c:657
msgid "Couldn't allocate memory for paletted data"
msgstr ""

#: gdk-pixbuf/io-pcx.c:704
msgid "Didn't get all lines of PCX image"
msgstr ""

#: gdk-pixbuf/io-pcx.c:711
msgid "No palette found at end of PCX data"
msgstr ""

#: gdk-pixbuf/io-pcx.c:756
msgid "The PCX image format"
msgstr ""

#: gdk-pixbuf/io-png.c:55
msgid "Bits per channel of PNG image is invalid."
msgstr ""

#: gdk-pixbuf/io-png.c:136 gdk-pixbuf/io-png.c:642
msgid "Transformed PNG has zero width or height."
msgstr ""

#: gdk-pixbuf/io-png.c:144
msgid "Bits per channel of transformed PNG is not 8."
msgstr ""

#: gdk-pixbuf/io-png.c:153
msgid "Transformed PNG not RGB or RGBA."
msgstr ""
#: gdk-pixbuf/io-png.c:162
msgid "Transformed PNG has unsupported number of channels, must be 3 or 4."
msgstr ""

#: gdk-pixbuf/io-png.c:183
#, c-format
msgid "Fatal error in PNG image file: %s"
msgstr ""

#: gdk-pixbuf/io-png.c:316
msgid "Insufficient memory to load PNG file"
msgstr ""

#: gdk-pixbuf/io-png.c:657
#, c-format
msgid "" "Insufficient memory to store a %ld by %ld image; try exiting some " "applications to reduce memory usage"
msgstr ""

#: gdk-pixbuf/io-png.c:720
msgid "Fatal error reading PNG image file"
msgstr ""

#: gdk-pixbuf/io-png.c:769
#, c-format
msgid "Fatal error reading PNG image file: %s"
msgstr ""

#: gdk-pixbuf/io-png.c:863
msgid "" "Keys for PNG text chunks must have at least 1 and at most 79 characters."
msgstr ""

#: gdk-pixbuf/io-png.c:872
msgid "Keys for PNG text chunks must be ASCII characters."
msgstr ""

#: gdk-pixbuf/io-png.c:886 gdk-pixbuf/io-tiff.c:738
#, c-format
msgid "Color profile has invalid length %d."
msgstr ""

#: gdk-pixbuf/io-png.c:899 gdk-pixbuf/io-gdip-png.c:56
#, c-format
msgid "" "PNG compression level must be a value between 0 and 9; value '%s' could not " "be parsed."
#: gdk-pixbuf/io-pnm.c:654
msgid "PNM image loader does not support this PNM subformat"
msgstr ""

msgid "Raw PNM formats require exactly one whitespace before sample data"
msgstr ""

#: gdk-pixbuf/io-pnm.c:768
msgid "Cannot allocate memory for loading PNM image"
msgstr ""

#: gdk-pixbuf/io-pnm.c:818
msgid "Insufficient memory to load PNM context struct"
msgstr ""

#: gdk-pixbuf/io-pnm.c:869
msgid "Unexpected end of PNM image data"
msgstr ""

#: gdk-pixbuf/io-pnm.c:997
msgid "Insufficient memory to load PNM file"
msgstr ""

#: gdk-pixbuf/io-pnm.c:1081
msgid "The PNM/PBM/PGM/PPM image format family"
msgstr ""

#: gdk-pixbuf/io-qtif.c:128
msgid "Input file descriptor is NULL."
msgstr ""

#: gdk-pixbuf/io-qtif.c:143
#, fuzzy
msgid "Failed to read QTIF header"
msgstr "'%s' resimi Å½Å¡4klenip bilmedi: %s"

#, c-format
msgid "QTIF atom size too large (%d bytes)"
msgstr ""

#: gdk-pixbuf/io-qtif.c:172
#, c-format
msgid "Failed to allocate %d bytes for file read buffer"
msgstr ""
#: gdk-pixbuf/io-qtif.c:196
#, fuzzy, c-format
msgid "File error when reading QTIF atom: %s"
msgstr "Resim faýla ýazmakda hata boldy: %s"

#: gdk-pixbuf/io-qtif.c:233
#, c-format
msgid "Failed to skip the next %d bytes with seek()."
msgstr ""

#: gdk-pixbuf/io-qtif.c:257
msgid "Failed to allocate QTIF context structure."
msgstr ""

#: gdk-pixbuf/io-qtif.c:317
#, fuzzy
msgid "Failed to create GdkPixbufLoader object."
msgstr "Wagtlaýyn faýldan okamakda hata boldy"

#: gdk-pixbuf/io-qtif.c:421
#, fuzzy
msgid "Failed to find an image data atom."
msgstr "'%s' resimi Á¥zÁ¥klenip bilmedi: %s"

#: gdk-pixbuf/io-qtif.c:602
#, fuzzy
msgid "The QTIF image format"
msgstr "GIF resim hili"

#: gdk-pixbuf/io-ras.c:126
msgid "RAS image has bogus header data"
msgstr ""

#: gdk-pixbuf/io-ras.c:148
msgid "RAS image has unknown type"
msgstr ""

#: gdk-pixbuf/io-ras.c:156
msgid "unsupported RAS image variation"
msgstr ""

#: gdk-pixbuf/io-ras.c:171 gdk-pixbuf/io-ras.c:200
msgid "Not enough memory to load RAS image"
msgstr ""

#: gdk-pixbuf/io-ras.c:545
msgid "The Sun raster image format"
msgstr ""

#: gdk-pixbuf/io-tga.c:154
msgid "Cannot allocate memory for IOBuffer struct"
msgstr ""

#: gdk-pixbuf/io-tga.c:173
msgid "Cannot allocate memory for IOBuffer data"
msgstr ""

#: gdk-pixbuf/io-tga.c:184
msgid "Cannot realloc IOBuffer data"
msgstr ""

#: gdk-pixbuf/io-tga.c:214
msgid "Cannot allocate temporary IOBuffer data"
msgstr ""

#: gdk-pixbuf/io-tga.c:347
msgid "Cannot allocate new pixbuf"
msgstr ""

#: gdk-pixbuf/io-tga.c:686
msgid "Image is corrupted or truncated"
msgstr ""

#: gdk-pixbuf/io-tga.c:693
msgid "Cannot allocate colormap structure"
msgstr ""

#: gdk-pixbuf/io-tga.c:700
msgid "Cannot allocate colormap entries"
msgstr ""

#: gdk-pixbuf/io-tga.c:722
msgid "Unexpected bitdepth for colormap entries"
msgstr ""

#: gdk-pixbuf/io-tga.c:740
msgid "Cannot allocate TGA header memory"
msgstr ""

#: gdk-pixbuf/io-tga.c:773
msgid "TGA image has invalid dimensions"
msgstr ""

#: gdk-pixbuf/io-tga.c:808 gdk-pixbuf/io-tga.c:815
msgid "TGA image type not supported"
msgstr ""

#: gdk-pixbuf/io-tga.c:862
msgid "Cannot allocate memory for TGA context struct"
msgstr ""

#: gdk-pixbuf/io-tga.c:927
msgid "Excess data in file"
msgstr ""

#: gdk-pixbuf/io-tga.c:1008
msgid "The Targa image format"
msgstr ""

#: gdk-pixbuf/io-tiff.c:165
msgid "Could not get image width (bad TIFF file)"
msgstr ""

#: gdk-pixbuf/io-tiff.c:172
msgid "Could not get image height (bad TIFF file)"
msgstr ""

#: gdk-pixbuf/io-tiff.c:180
msgid "Width or height of TIFF image is zero"
msgstr ""

#: gdk-pixbuf/io-tiff.c:189 gdk-pixbuf/io-tiff.c:198
msgid "Dimensions of TIFF image too large"
msgstr ""

msgid "Insufficient memory to open TIFF file"
msgstr ""

#: gdk-pixbuf/io-tiff.c:295
msgid "Failed to load RGB data from TIFF file"
msgstr ""

#: gdk-pixbuf/io-tiff.c:351
msgid "Failed to open TIFF image"
msgstr ""

#: gdk-pixbuf/io-tiff.c:363 gdk-pixbuf/io-tiff.c:778
msgid "TIFFClose operation failed"
msgstr ""

#: gdk-pixbuf/io-tiff.c:493 gdk-pixbuf/io-tiff.c:506
#: gdk-pixbuf/io-xbm.c:305
msgid "Insufficient memory to load XBM image file"
msgstr ""

#: gdk-pixbuf/io-xbm.c:453
msgid "Failed to write to temporary file when loading XBM image"
msgstr ""

#: gdk-pixbuf/io-xbm.c:492
msgid "The XBM image format"
msgstr ""

#: gdk-pixbuf/io-xpm.c:468
msgid "No XPM header found"
msgstr ""

#: gdk-pixbuf/io-xpm.c:477
#, fuzzy
msgid "Invalid XPM header"
msgstr "Tymsal iÅ'inde maÂ½yyp baÅ¥&#159;lyg"

#: gdk-pixbuf/io-xpm.c:485
msgid "XPM file has image width <= 0"
msgstr ""

#: gdk-pixbuf/io-xpm.c:493
msgid "XPM file has image height <= 0"
msgstr ""

#: gdk-pixbuf/io-xpm.c:501
msgid "XPM has invalid number of chars per pixel"
msgstr ""

#: gdk-pixbuf/io-xpm.c:510
msgid "XPM file has invalid number of colors"
msgstr ""

msgid "Cannot allocate memory for loading XPM image"
msgstr ""

#: gdk-pixbuf/io-xpm.c:545
msgid "Cannot read XPM colormap"
msgstr ""

#: gdk-pixbuf/io-xpm.c:777
msgid "Failed to write to temporary file when loading XPM image"
msgstr ""

#: gdk-pixbuf/io-xpm.c:816
msgid "The XPM image format"
msgstr ""

#: gdk-pixbuf/io-gdip-emf.c:59
#, fuzzy
msgid "The EMF image format"
msgstr "BMP resim hili"

#: gdk-pixbuf/io-gdip-utils.c:232
#, fuzzy, c-format
msgid "Could not allocate memory: %s"
msgstr "Faýlyň adyny "%s"-den "%s"-e ewez etmede bu hata doredi: %s"

#: gdk-pixbuf/io-gdip-utils.c:411
#, fuzzy, c-format
msgid "Could not create stream: %s"
msgstr "Faýlyň adyny "%s"-den "%s"-e ewez etmede bu hata doredi: %s"

#: gdk-pixbuf/io-gdip-utils.c:271
#, fuzzy, c-format
msgid "Could not seek stream: %s"
msgstr "Renk Saýlawy"

#: gdk-pixbuf/io-gdip-utils.c:283
#, fuzzy, c-format
msgid "Could not read from stream: %s"
msgstr "Faýlyň adyny "%s"-den "%s"-e ewez etmede bu hata doredi: %s"

#, fuzzy
msgid "Couldn't load bitmap"
msgstr "Renk Saýlawy"

#: gdk-pixbuf/io-gdip-utils.c:847
#, fuzzy
msgid "Couldn't load metafile"
msgstr "Renk Saýlawy"

#: gdk-pixbuf/io-gdip-utils.c:1006
msgid "Unsupported image format for GDI+
msgstr ""

#: gdk-pixbuf/io-gdip-utils.c:1013
#, fuzzy
#: gtk/gtkaccellabel.c:743
msgctxt "keyboard label"
msgid "Super"
msgstr ""

#. This is the text that should appear next to menu accelerators
#. * that use the hyper key. If the text on this key isn't typically
#. * translated on keyboards used for your language, don't translate
#. * this.
#
#: gtk/gtkaccellabel.c:756
msgctxt "keyboard label"
msgid "Hyper"
msgstr ""

#. This is the text that should appear next to menu accelerators
#. * that use the meta key. If the text on this key isn't typically
#. * translated on keyboards used for your language, don't translate
#. * this.
#
#: gtk/gtkaccellabel.c:770
msgctxt "keyboard label"
msgid "Meta"
msgstr ""

#: gtk/gtkaccellabel.c:787
#, fuzzy
msgctxt "keyboard label"
msgid "Space"
msgstr "_Adyny Ewez Et"

#: gtk/gtkaccellabel.c:790
msgctxt "keyboard label"
msgid "Backslash"
msgstr ""

#: gtk/gtkbuilderparser.c:343
#, fuzzy, c-format
msgid "Invalid type function on line %d: '%s'"
msgstr "MaÄ½yf faÄ½i ady: %s"

#: gtk/gtkbuilderparser.c:407
#, c-format
msgid "Duplicate object id '%s' on line %d (previously on line %d)"
msgstr ""

#: gtk/gtkbuilderparser.c:859
#, fuzzy, c-format
msgid "Invalid root element: '%s''
msgstr "MaÃ½yp faÃ½l ady: %s"

#: gtk/gtkbuilderparser.c:898
#, c-format
msgid "Unhandled tag: '%s''
msgstr ""

#. Translate to calendar:YM if you want years to be displayed
#. * before months; otherwise translate to calendar:MY.
#. * Do *not* translate it to anything else, if it
#. * it isn't calendar:YM or calendar:MY it will not work.
#. *
#. * Note that the ordering described here is logical order, which is
#. * further influenced by BIDI ordering. Thus, if you have a default
#. * text direction of RTL and specify "calendar:YM", then the year
#. * will appear to the right of the month.
#
#: gtk/gtkcalendar.c:759
msgid "calendar:MY''
msgstr ""

#. Translate to calendar:week_start:0 if you want Sunday to be the
#. * first day of the week to calendar:week_start:1 if you want Monday
#. * to be the first day of the week, and so on.
#
#: gtk/gtkcalendar.c:797
msgid "calendar:week_start:0''
msgstr ""

#. Translators: This is a text measurement template.
#. * Translate it to the widest year text
#. *
#. * If you don't understand this, leave it as "2000"
#
#: gtk/gtkcalendar.c:1807
msgctxt "year measurement template"
msgid "2000''
msgstr ""

#. Translators: this defines whether the day numbers should use
#. * localized digits or the ones used in English (0123...).
#. *
#. * Translate to "%Id" if you want to use localized digits, or
#. * translate to "%d" otherwise.
#. *
#. * Note that translating this doesn't guarantee that you get localized
#. * digits. That needs support from your system and locale definition
#. * too.
#
#: gtk/gtkcalendar.c:1838 gtk/gtkcalendar.c:2496
#. c-format
msgctxt "calendar:day:digits"
msgid "%d"
msgstr ""

#. Translators: this defines whether the week numbers should use
#. * localized digits or the ones used in English (0123...).
#. *
#. * Translate to "%Id" if you want to use localized digits, or
#. * translate to "%d" otherwise.
#. *
#. * Note that translating this doesn't guarantee that you get localized
#. * digits. That needs support from your system and locale definition
#. * too.
#
#: gtk/gtkcalendar.c:1870 gtk/gtkcalendar.c:2359
#. c-format
msgctxt "calendar:week:digits"
msgid "%d"
msgstr ""

#. Translators: This dictates how the year is displayed in
#. * gtkcalendar widget. See strftime() manual for the format.
#. * Use only ASCII in the translation.
#. *
#. * Also look for the msgid "2000".
#. * Translate that entry to a year with the widest output of this
#. * msgid.
#. *
#. * "%Y" is appropriate for most locales.
#
#: gtk/gtkcalendar.c:2150
#. fuzzy
msgctxt "calendar year format"
msgid "%Y"
msgstr "Y"

#. This label is displayed in a treeview cell displaying
#. * a disabled accelerator key combination.
#
#: gtk/gtkcellrendereraccel.c:244
#. fuzzy
msgctxt "Accelerator"
msgid "Disabled"
msgstr "Söndirgili"
# This label is displayed in a treeview cell displaying
# * an accelerator key combination that is not valid according
# * to gtk_accelerator_valid().
#
#: gtk/gtkcellrendereraccel.c:254
#: fuzzy
msgctxt "Accelerator"
msgid "Invalid"
msgstr "Maująyp UTF-8"

# This label is displayed in a treeview cell displaying
# * an accelerator when the cell is clicked to change the
# * accelerate.
#
#: gtk/gtkcellrendereraccel.c:389 gtk/gtkcellrendereraccel.c:603
msgid "New accelerator..."
msgstr ""

#: gtk/gtkcellrendererprogress.c:361 gtk/gtkcellrendererprogress.c:448
#: c-format
msgctxt "progress bar label"
msgid "%d %%"
msgstr ""

#: gtk/gtkcolorbutton.c:188 gtk/gtkcolorbutton.c:559
msgid "Pick a Color"
msgstr ""

#: gtk/gtkcolorbutton.c:448
msgid "Received invalid color data\n"
msgstr ""

#: gtk/gtkcolorsel.c:354
msgid ""
"Select the color you want from the outer ring. Select the darkness or "
"lightness of that color using the inner triangle."
msgstr ""

#: gtk/gtkcolorsel.c:378
msgid ""
"Click the eyedropper, then click a color anywhere on your screen to select "
"that color."
msgstr ""

#: gtk/gtkcolorsel.c:387
msgid "_Hue:"
msgstr ""
#: gtk/gtkcolorsel.c:388
msgid "Position on the color wheel."
msgstr ""

#: gtk/gtkcolorsel.c:390
msgid "_Saturation:"
msgstr ""

#: gtk/gtkcolorsel.c:391
msgid "\"Deepness\" of the color."
msgstr ""

#: gtk/gtkcolorsel.c:392
msgid "_Value:"
msgstr "_Mykdar:" 

#: gtk/gtkcolorsel.c:393
msgid "Brightness of the color."
msgstr ""

#: gtk/gtkcolorsel.c:394
msgid "_Red:"
msgstr "_Gyzyl"

#: gtk/gtkcolorsel.c:395
msgid "Amount of red light in the color."
msgstr ""

#: gtk/gtkcolorsel.c:396
msgid "_Green:" 
msgstr "_ÄaÅ.&#159;y1:" 

#: gtk/gtkcolorsel.c:397
msgid "Amount of green light in the color."
msgstr ""

#: gtk/gtkcolorsel.c:398
msgid "_Blue:" 
msgstr "_GÄ¶k:" 

#: gtk/gtkcolorsel.c:399
msgid "Amount of blue light in the color."
msgstr ""

#: gtk/gtkcolorsel.c:402
#, fuzzy
msgid "Op_acity:"
msgstr "Matlyk:"

#: gtk/gtkcolorsel.c:409 gtk/gtkcolorsel.c:419
msgid "Transparency of the color."
msgid "Renkiň durlyky."

#: gtk/gtkcolorsel.c:426
#: fuzzy
msgid "Color _name:"
msgid "Renk _Ady:"

#: gtk/gtkcolorsel.c:440
msgid "You can enter an HTML-style hexadecimal color value, or simply a color name "
"such as 'orange' in this entry."
msgid ""

#: gtk/gtkcolorsel.c:470
#: fuzzy
msgid "_Palette:"
msgid "_Pälet"

#: gtk/gtkcolorsel.c:499
#: fuzzy
msgid "Color Wheel"
msgid "Renk Saýlawy"

#: gtk/gtkcolorsel.c:958
msgid "" 
msgid "The previously-selected color, for comparison to the color you're selecting " 
"now. You can drag this color to a palette entry, or select this color as " 
"current by dragging it to the other color swatch alongside."
msgid ""

#: gtk/gtkcolorsel.c:961
msgid ""
msgid "The color you've chosen. You can drag this color to a palette entry to save " 
"it for use in the future."
msgid ""

#: gtk/gtkcolorsel.c:966
msgid ""
msgid "The previously-selected color, for comparison to the color you're selecting " 
"now."
msgid ""

#: gtk/gtkcolorsel.c:969
msgid "The color you've chosen."
"Caps Lock is on"

"Select A File"

"Desktop"

"(None)"

"Other..."

"Type name of new folder"

"Could not retrieve information about the file"

"Could not add a bookmark"

"Could not remove bookmark"

"The folder could not be created"

"The folder could not be created, as a file with the same name already exists. Try using a different name for the folder, or rename the file first."
#: gtk/gtkfilechooserdefault.c:1022
#, fuzzy
msgid "Invalid file name"
msgstr "Maýyp faýl ady: %s"

#: gtk/gtkfilechooserdefault.c:1032
msgid "The folder contents could not be displayed"
msgstr ""

#. Translators: the first string is a path and the second string
#:  * is a hostname. Nautilus and the panel contain the same string
#. * to translate.
#.
#: gtk/gtkfilechooserdefault.c:1582
#, c-format
msgid "%1$s on %2$s"
msgstr ""

#: gtk/gtkfilechooserdefault.c:1758
msgid "Search"
msgstr ""

#: gtk/gtkfilechooserdefault.c:1782 gtk/gtkfilechooserdefault.c:9458
msgid "Recently Used"
msgstr ""

#: gtk/gtkfilechooserdefault.c:2422
msgid "Select which types of files are shown"
msgstr ""

#: gtk/gtkfilechooserdefault.c:2781
#, c-format
msgid "Add the folder '%s' to the bookmarks"
msgstr ""

#: gtk/gtkfilechooserdefault.c:2825
#, c-format
msgid "Add the current folder to the bookmarks"
msgstr ""

#: gtk/gtkfilechooserdefault.c:2827
#, c-format
msgid "Add the selected folders to the bookmarks"
msgstr ""

#: gtk/gtkfilechooserdefault.c:2865
#, c-format
msgid "Remove the bookmark '%s'"
Translators: this is shown in the feedback for Tab-completion in a file

* chooser's text entry when the user enters a path that does not exist

* and then hits Tab

gtk/gtkfilechooserentry.c:1196

fuzzy

msgid "Path does not exist"

msgstr "%s gysga Ä½oly Ä½ok"

gtk/gtkfilechoosersettings.c:487
gtk/gtkfilesel.c:1349
gtk/gtkfilesel.c:1360

fuzzy, c-format

msgid "Error creating folder '%s': %s"

msgstr "FaÄ½ylyÄ½#136; adyny \"%s\"-den \"%s\"-e ewez etmede bu hata doredi: %s"

gtk/gtkfilesel.c:694

msgid "Folders"

msgstr "Haltalar"

gtk/gtkfilesel.c:698

msgid "Fol_ders"

msgstr "_Haltalar"

gtk/gtkfilesel.c:734

msgid " _Files"

msgstr "_FaÄ½llar"

gtk/gtkfilesel.c:821
gtk/gtkfilesel.c:2154

, c-format

msgid "Folder unreadable: %s"

msgstr ""

gtk/gtkfilesel.c:905

, c-format

msgid "" "The file \"%s\" resides on another machine (called %s) and may not be " "available to this program.\n"

"Are you sure that you want to select it?"

msgstr ""

gtk/gtkfilesel.c:1020

msgid " _New Folder"

msgstr "TÄ±ze Haltu"

gtk/gtkfilesel.c:1031

msgid "De_lete File"

msgstr "FaÄ½ly _Poz"
msgid "Error renaming file \"%s\": %s"
msgstr "Faýlyň adyny \"%s\"-den \"%s\"-e ewez etmede bu hata doredi: %s"

#: gtk/gtkfilesel.c:1611
#, c-format
msgid "Error renaming file \"%s\" to \"%s\": %s"
msgstr "Faýlyň adyny \"%s\"-den \"%s\"-e ewez etmede bu hata doredi: %s"

#: gtk/gtkfilesel.c:1658
msgid "Rename File"
msgstr "Faýl Adyny Ewez Et"

#: gtk/gtkfilesel.c:1673
#, c-format
msgid "Rename file \"%s\" to:
msgstr "Faýl adyny ada ewir:

#: gtk/gtkfilesel.c:1702
msgid "_Rename"
msgstr "Adyny Ewez Et"

#: gtk/gtkfilesel.c:2134
msgid "_Selection: "
msgstr "Saýlaw:"

#: gtk/gtkfilesel.c:3056
#, c-format
msgid ""
"The filename \"%s\" couldn't be converted to UTF-8. (try setting the "
"environment variable G_FILENAME_ENCODING): %s"
msgstr ""

#: gtk/gtkfilesel.c:3059
msgid "Invalid UTF-8"
msgstr "Maýyp UTF-8"

#: gtk/gtkfilesel.c:3935
msgid "Name too long"
msgstr "Ad beter uzyn"

#: gtk/gtkfilesel.c:3937
msgid "Couldn't convert filename"
msgstr ""

#. The pointers we return for a GtkFileSystemVolume are opaque tokens; they are
#. * really pointers to GDrive, GVolume or GMount objects. We need an extra
#. * token for the fake "File System" volume. So, we'll return a pointer to
#. * this particular string.
#. Initialize fields
#: gtk/gtkfontbutton.c:260
msgid "Sans 12"
msgstr "Sans 12"

#: gtk/gtkfontbutton.c:785
msgid "Font"
msgstr "Kalam"

#. This is the default text shown in the preview entry, though the user
#. can set it. Remember that some fonts only have capital letters.
#: gtk/gtkfontsel.c:75
msgid "abcdefghijk ABCDEFGHIJK"
msgstr "abÆefghijk ABÄ&#135;DEFGHIJK"

#: gtk/gtkfontsel.c:343
msgid "_Family:"
msgstr ""

#: gtk/gtkfontsel.c:349
msgid "_Style:"
msgstr "_Terz:"

#: gtk/gtkfontsel.c:355
msgid "Si_ze:
msgstr "_Ululyk:"

#. create the text entry widget
#: gtk/gtkfontsel.c:532
msgid "_Preview:"
msgstr "Å&n NamaÅ½yÅ}&#159;"

#: gtk/gtkfontsel.c:1649
msgid "Font Selection"
msgstr "Kalam SaÅ½lawy"

#: gtk/gtkgamma.c:410
msgid "Gamma"
msgstr "Gamma"

#: gtk/gtkgamma.c:420
msgid "_Gamma value"
msgstr "_Gamma mykdary"

#. Remove this icon source so we don't keep trying to
#. * load it.
#
#: gtk/gtkiconfactory.c:1401
#, c-format
msgid "Error loading icon: %s"
msgstr "%s tymsaly Â½Â¼klemekde hata boldy"

#: gtk/gtkicontheme.c:1363
#, c-format
msgid ""
"Could not find the icon '%s'. The '%s' theme
"was not found either, perhaps you need to install it:
"You can get a copy from:
"%s"
msgstr ""

#: gtk/gtkicontheme.c:1543
#, c-format
msgid "Icon '%s' not present in theme"
msgstr "%s tymsaly temde Â½ok"

#: gtk/gtkicontheme.c:3074
#, fuzzy
msgid "Failed to load icon"
msgstr "'%s' resimi Â½Â¼klenip bilmedi: %s"

#: gtk/gtkimmodule.c:527
#, fuzzy
msgid "Simple"
msgstr "Ulyyk"

#: gtk/gtkimmulticontext.c:563
#, fuzzy
msgctxt "input method menu"
msgid "System"
msgstr "FAÂ¼llar"

#: gtk/gtkimmulticontext.c:573
#, fuzzy
msgctxt "input method menu"
msgid "None"
msgstr "hiÃ”

#: gtk/gtkimmulticontext.c:656
#, fuzzy, c-format
msgctxt "input method menu"
msgid "System (%s)"
msgstr "%s: %s"

#: gtk/gtkinputdialog.c:192
msgid "Input"
msgstr ""

#: gtk/gtkinputdialog.c:207
msgid "No extended input devices"
msgstr ""

#: gtk/gtkinputdialog.c:220
msgid "_Device:"
msgstr ""

#: gtk/gtkinputdialog.c:237
msgid "Disabled"
msgstr "Söndirgili"

#: gtk/gtkinputdialog.c:244
msgid "Screen"
msgstr ""

#: gtk/gtkinputdialog.c:251
msgid "Window"
msgstr "Ã§ndirgili"

#: gtk/gtkinputdialog.c:258
msgid "_Mode:"
msgstr ""

#. The axis listbox
#: gtk/gtkinputdialog.c:279
msgid "Axes"
msgstr ""

#. Keys listbox
#: gtk/gtkinputdialog.c:297
msgid "Keys"
msgstr ""

#: gtk/gtkinputdialog.c:524
msgid "_X:"
#: gtk/gtkmain.c:778
#, c-format
msgid "Cannot open display: %s"
msgstr ""

#: gtk/gtkmain.c:815
msgid "GTK+ Options"
msgstr ""

#: gtk/gtkmain.c:815
msgid "Show GTK+ Options"
msgstr ""

#: gtk/gtkmountoperation.c:489
#, fuzzy
msgid "Connect"
msgstr "Kalam"

#: gtk/gtkmountoperation.c:556
msgid "Connect anonymously"
msgstr ""

#: gtk/gtkmountoperation.c:565
msgid "Connect as user:"
msgstr ""

#: gtk/gtkmountoperation.c:603
#, fuzzy
msgid "Username:"
msgstr "Adyny Ewez Et"

#: gtk/gtkmountoperation.c:608
#, fuzzy
msgid "Domain:"
msgstr "Æer"

#: gtk/gtkmountoperation.c:614
#, fuzzy
msgid "Password:"
msgstr "Âé½yÁê#150n NamaÂ½yÁê#159;"

#: gtk/gtkmountoperation.c:632
msgid "Forget password immediately"
msgstr ""

#: gtk/gtkmountoperation.c:642
msgid "Remember password until you logout"
msgstr ""
msgid "Cannot end process with pid %d: %s"
msgstr ""

#: gtk/gtknotebook.c:4704 gtk/gtknotebook.c:7269
#, c-format
msgid "Page %u"
msgstr "%u sahypasy"

#: gtk/gtkpagesetup.c:597 gtk/gtkpapersize.c:825 gtk/gtkpapersize.c:867
msgid "Not a valid page setup file"
msgstr ""

#: gtk/gtkpagesetupunixdialog.c:167
#, fuzzy
msgid "Any Printer"
msgstr "Çap Et"

#: gtk/gtkpagesetupunixdialog.c:167
msgid "For portable documents"
msgstr ""

#: gtk/gtkpagesetupunixdialog.c:797
#, c-format
msgid ""
"Margins:\n"
" Left: %s %s\n"
" Right: %s %s\n"
" Top: %s %s\n"
" Bottom: %s %s"
msgstr ""

#: gtk/gtkpagesetupunixdialog.c:846 gtk/gtkprintunixdialog.c:3277
msgid "Manage Custom Sizes..."
msgstr ""

#: gtk/gtkpagesetupunixdialog.c:894
msgid "_Format for:"
msgstr ""

#: gtk/gtkpagesetupunixdialog.c:916 gtk/gtkprintunixdialog.c:3449
#, fuzzy
msgid "_Paper size:"
msgstr "_Hântsizetler"

#: gtk/gtkpagesetupunixdialog.c:947
#, fuzzy
msgid "_Orientation:"
msgstr "Ãeri AÄ"
#, fuzzy
msgctxt "print operation status"
msgid "Preparing to print"
msgstr "DuÃ½durum"

#: gtk/gtkprintoperation.c:1689
msgctxt "print operation status"
msgid "Generating data"
msgstr ""

#: gtk/gtkprintoperation.c:1690
msgctxt "print operation status"
msgid "Sending data"
msgstr ""

#: gtk/gtkprintoperation.c:1691
#, fuzzy
msgctxt "print operation status"
msgid "Waiting"
msgstr "DuÃ½durum"

#: gtk/gtkprintoperation.c:1692
msgctxt "print operation status"
msgid "Blocking on issue"
msgstr ""

#: gtk/gtkprintoperation.c:1693
#, fuzzy
msgctxt "print operation status"
msgid "Printing"
msgstr "_Ä&amp;#135;ap Et"

#: gtk/gtkprintoperation.c:1694
#, fuzzy
msgctxt "print operation status"
msgid "Finished"
msgstr "_Tap"

#: gtk/gtkprintoperation.c:1695
msgctxt "print operation status"
msgid "Finished with error"
msgstr ""

#: gtk/gtkprintoperation.c:2254
#, c-format
msgid "Preparing %d"
msgstr ""
Preparing

Printing %d

Error creating print preview

The most probable reason is that a temporary file could not be created.

Error launching preview

Error printing

Application

Printer offline

Paused
#: gtk/gtkprintunixdialog.c:1862
msgid "Getting printer information..."
msgstr ""

#: gtk/gtkprintunixdialog.c:2132
#, fuzzy
msgid "Printer"
msgstr "Çap Et"

#. Translators: this is the header for the location column in the print dialog
#: gtk/gtkprintunixdialog.c:2142
#, fuzzy
msgid "Location"
msgstr "Ãer"

#. Translators: this is the header for the printer status column in the print dialog
#: gtk/gtkprintunixdialog.c:2153
msgid "Status"
msgstr ""

#: gtk/gtkprintunixdialog.c:2179
msgid "Range"
msgstr ""

#: gtk/gtkprintunixdialog.c:2183
msgid "_All Pages"
msgstr ""

#: gtk/gtkprintunixdialog.c:2190
#, fuzzy
msgid "C_urrent Page"
msgstr "_Bejer"

#: gtk/gtkprintunixdialog.c:2200
#, fuzzy
msgid "Se_lection"
msgstr "_SaÅ!/slaw:"

#: gtk/gtkprintunixdialog.c:2209
msgid "Pag_es:"
msgstr ""

#: gtk/gtkprintunixdialog.c:2210
msgid ""
"Specify one or more page ranges,\n" " e.g. 1-3,7,11"
msgstr ""
#: gtk/gtkprintunixdialog.c:2220
#: fuzzy
msgid "Pages"
msgstr "Adyny Ewez Et"

#: gtk/gtkprintunixdialog.c:2233
msgid "Copies"
msgstr ""

#: gtk/gtkprintunixdialog.c:2256
#: fuzzy
msgid "Collate"
msgstr "Bejer"

#: gtk/gtkprintunixdialog.c:2264
#: fuzzy
msgid "Reverse"
msgstr "Ewir"

#: gtk/gtkprintunixdialog.c:2284
msgid "General"
msgstr ""

#: Translators: These strings name the possible arrangements of
#: * multiple pages on a sheet when printing (same as in gtkprintbackendcups.c)
#: .
#: Translators: These strings name the possible arrangements of
#: * multiple pages on a sheet when printing
#: .
#: gtk/gtkprintunixdialog.c:3010
#: modules/printbackends/cups/gtkprintbackendcups.c:3505
msgid "Left to right, top to bottom"
msgstr ""

#: gtk/gtkprintunixdialog.c:3010
#: modules/printbackends/cups/gtkprintbackendcups.c:3505
msgid "Left to right, bottom to top"
msgstr ""

#: gtk/gtkprintunixdialog.c:3011
#: modules/printbackends/cups/gtkprintbackendcups.c:3506
msgid "Right to left, top to bottom"
msgid "Paper"
msgstr ""

#: gtk/gtkprintunixdialog.c:3403
#, fuzzy
msgid "Paper_type:"
msgstr "Hâsiyetler"

#: gtk/gtkprintunixdialog.c:3418
#, fuzzy
msgid "Paper_source:"
msgstr "Hâsiyetler"

#: gtk/gtkprintunixdialog.c:3433
msgid "Output_t_ray:"
msgstr ""

#: gtk/gtkprintunixdialog.c:3473
#, fuzzy
msgid "Or_ientation:"
msgstr "Ãeri ÃÄ" 

#. In enum order
#: gtk/gtkprintunixdialog.c:3488
#, fuzzy
msgid "Portrait"
msgstr "ÅÄ#135;ap Et"

#: gtk/gtkprintunixdialog.c:3489
msgid "Landscape"
msgstr ""

#: gtk/gtkprintunixdialog.c:3490
msgid "Reverse_portrait"
msgstr ""

#: gtk/gtkprintunixdialog.c:3491
msgid "Reverse_landscape"
msgstr ""

#: gtk/gtkprintunixdialog.c:3536
msgid "Job_Details"
msgstr ""

#: gtk/gtkprintunixdialog.c:3542
msgid "Pri_ority:"
msgstr ""
#: gtk/gtkprintunixdialog.c:3557
msgid "_Billing info:
msgstr ""

#: gtk/gtkprintunixdialog.c:3575
msgid "Print Document"
msgstr ""

#. Translators: this is one of the choices for the print at option
#. * in the print dialog
#. 
#: gtk/gtkprintunixdialog.c:3584
#, fuzzy
msgid "_Now"
msgstr "_Áok"

#: gtk/gtkprintunixdialog.c:3595
msgid "A_t:
msgstr ""

#. Translators: Ability to parse the am/pm format depends on actual locale.
#. * You can remove the am/pm values below for your locale if they are not
#. * supported.
#. 
#: gtk/gtkprintunixdialog.c:3601
msgid ""n
"Specify the time of print.\n" e.g. 15:30, 2:35 pm, 14:15:20, 11:46:30 am, 4 pm"
msgstr ""

#: gtk/gtkprintunixdialog.c:3611
msgid "Time of print"
msgstr ""

#: gtk/gtkprintunixdialog.c:3627
#, fuzzy
msgid "On _hold"
msgstr "_Batyr"

#: gtk/gtkprintunixdialog.c:3628
msgid "Hold the job until it is explicitly released"
msgstr ""

#: gtk/gtkprintunixdialog.c:3648
msgid "Add Cover Page"
msgstr ""

#. Translators, this is the label used for the option in the print
msgstr ""

#: gtk/gtkrecentchooserdefault.c:1801
#, fuzzy
msgid "_Clear List"
msgstr "_Durla"

#: gtk/gtkrecentchooserdefault.c:1815
msgid "Show _Private Resources"
msgstr ""

#. we create a placeholder menuitem, to be used in case
#. * the menu is empty. this placeholder will stay around
#. * for the entire lifetime of the menu, and we just hide it
#. * when it's not used. we have to do this, and do it here,
#. * because we need a marker for the beginning of the recent
#. * items list, so that we can insert the new items at the
#. * right place when idly populating the menu in case the
#. * user appended or prepended custom menu items to the
#. * recent chooser menu widget.
#
#: gtk/gtkrecentchoosermenu.c:342
msgid "No items found"
msgstr ""

#: gtk/gtkrecentchoosermenu.c:508 gtk/gtkrecentchoosermenu.c:564
#, c-format
msgid "No recently used resource found with URI '%s'"
msgstr ""

#: gtk/gtkrecentchoosermenu.c:775
#, c-format
msgid "Open '%s'"
msgstr ""

#: gtk/gtkrecentchoosermenu.c:805
#, fuzzy
msgid "Unknown item"
msgstr "NatanyÅŸ &#159;"

#. This is the label format that is used for the first 10 items
#. * in a recent files menu. The %d is the number of the item,
#. * the %s is the name of the item. Please keep the _ in front
#. * of the number to give these menu items a mnemonic.
#
#: gtk/gtkrecentchoosermenu.c:816
#, c-format
msgctxt "recent menu label"
msgid "_.%d. %s"
msgstr ""

#. This is the format that is used for items in a recent files menu.
#. * The %d is the number of the item, the %s is the name of the item.
#
#: gtk/gtkrecentchoosermenu.c:821
#, fuzzy, c-format
msgctxt "recent menu label"
msgid "%d. %s"
msgstr "%s: %s"

#: gtk/gtkrecentmanager.c:1020 gtk/gtkrecentmanager.c:1033
#: gtk/gtkrecentmanager.c:1171 gtk/gtkrecentmanager.c:1181
#: gtk/gtkrecentmanager.c:1234 gtk/gtkrecentmanager.c:1243
#: gtk/gtkrecentmanager.c:1258
#, c-format
msgid "Unable to find an item with URI '%s"
msgstr ""

#: gtk/gtkspinner.c:458
msgctxt "throbbing progress animation widget"
msgid "Spinner"
msgstr ""

#: gtk/gtkspinner.c:459
msgid "Provides visual indication of progress"
msgstr ""

#. KEEP IN SYNC with gtkiconfactory.c stock icons, when appropriate
#: gtk/gtkstock.c:314
#, fuzzy
msgctxt "Stock label"
msgid "Information"
msgstr "Maglumat"

#: gtk/gtkstock.c:315
#, fuzzy
msgctxt "Stock label"
msgid "Warning"
msgstr "Duýdurum"

#: gtk/gtkstock.c:316
#, fuzzy
msgctxt "Stock label"
msgid "Error"
msgstr "Hata"
#: gtk/gtkstock.c:317
#: fuzzy
msgctxt "Stock label"
msgid "Question"
msgstr "Sorag"

#: gtk/gtkstock.c:322
#: fuzzy
msgctxt "Stock label"
msgid "_About"
msgstr ""

#: gtk/gtkstock.c:323
#: fuzzy
msgctxt "Stock label"
msgid "_Add"
msgstr "_Ekle"

#: gtk/gtkstock.c:324
#: fuzzy
msgctxt "Stock label"
msgid "_Apply"
msgstr "_Tatbyk Bet"

#: gtk/gtkstock.c:325
#: fuzzy
msgctxt "Stock label"
msgid "_Bold"
msgstr "_Batyr"

#: gtk/gtkstock.c:326
#: fuzzy
msgctxt "Stock label"
msgid "_Cancel"
msgstr "_Ybtal"

#: gtk/gtkstock.c:327
#: fuzzy
msgctxt "Stock label"
msgid "_CD-Rom"
msgstr "_CD-Rom"

#: gtk/gtkstock.c:328
#: fuzzy
msgctxt "Stock label"
msgid "_Clear"
msgstr "_Kalam"

#: gtk/gtkstock.c:337
#, fuzzy
msgctxt "Stock label"
msgid "_Execute"
msgstr "_IÅŸe Sal"

#: gtk/gtkstock.c:338
#, fuzzy
msgctxt "Stock label"
msgid "_Edit"
msgstr "_Bejer"

#: gtk/gtkstock.c:339
#, fuzzy
msgctxt "Stock label"
msgid "_Find"
msgstr "_Tap"

#: gtk/gtkstock.c:340
#, fuzzy
msgctxt "Stock label"
msgid "Find and _Replace"
msgstr "Tap we _Ewez Et"

#: gtk/gtkstock.c:341
#, fuzzy
msgctxt "Stock label"
msgid "_Floppy"
msgstr "_Disket"

#: gtk/gtkstock.c:342
msgctxt "Stock label"
msgid "_Fullscreen"
msgstr ""

#: gtk/gtkstock.c:343
msgctxt "Stock label"
msgid "_Leave Fullscreen"
msgstr ""

#. This is a navigation label as in "go to the bottom of the page"
#: gtk/gtkstock.c:345
#, fuzzy
msgctxt "Stock label, navigation"
msgid "_Bottom"
msgstr "_Ast"
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#: gtk/gtkstock.c:368
#, fuzzy
msgctxt "Stock label"
msgid "_Jump to"
msgstr "_Bök"

#. This is about text justification, "centered text"
#: gtk/gtkstock.c:370
#, fuzzy
msgctxt "Stock label"
msgid "_Center"
msgstr "_Orta"

#. This is about text justification
#: gtk/gtkstock.c:372
#, fuzzy
msgctxt "Stock label"
msgid "_Fill"
msgstr "_FaÄ±llar"

#. This is about text justification, "left-justified text"
#: gtk/gtkstock.c:374
#, fuzzy
msgctxt "Stock label"
msgid "_Left"
msgstr "_Ã½#135,ep"

#. This is about text justification, "right-justified text"
#: gtk/gtkstock.c:376
#, fuzzy
msgctxt "Stock label"
msgid "_Right"
msgstr "_Sag"

#. Media label, as in "fast forward"
#: gtk/gtkstock.c:379
#, fuzzy
msgctxt "Stock label, media"
msgid "_Forward"
msgstr "_Ew"

#. Media label, as in "next song"
#: gtk/gtkstock.c:381
#, fuzzy
msgctxt "Stock label, media"
msgid "_Next"
msgstr "_TÃ¤ze"
# Media label, as in "pause music"
#: gtk/gtkstock.c:383
#: fuzzy
msgctxt "Stock label, media"
msgid "P_ause"
msgstr "ÃabÅŸyr"

# Media label, as in "play music"
#: gtk/gtkstock.c:385
#: fuzzy
msgctxt "Stock label, media"
msgid "_Play"
msgstr "_Adyny Ewez Et"

# Media label, as in "previous song"
#: gtk/gtkstock.c:387
msgctxt "Stock label, media"
msgid "Pre_vious"
msgstr ""

# Media label
#: gtk/gtkstock.c:389
#: fuzzy
msgctxt "Stock label, media"
msgid "_Record"
msgstr "_Gyzyl"

# Media label
#: gtk/gtkstock.c:391
#: fuzzy
msgctxt "Stock label, media"
msgid "R_ewind"
msgstr "_Tap"

# Media label
#: gtk/gtkstock.c:393
#: fuzzy
msgctxt "Stock label, media"
msgid "_Stop"
msgstr "_Dur"

#: gtk/gtkstock.c:394
#: fuzzy
msgctxt "Stock label"
msgid "_Network"
msgstr "_&#158;ebekte"
#: gtk/gtkstock.c:395
#, fuzzy
msgctxt "Stock label"
msgid "_New"
msgstr "_TÄtzê"

#: gtk/gtkstock.c:396
#, fuzzy
msgctxt "Stock label"
msgid "_No"
msgstr "_Ãok"

#: gtk/gtkstock.c:397
#, fuzzy
msgctxt "Stock label"
msgid "_OK"
msgstr "_BolÃ½ar"

#: gtk/gtkstock.c:398
#, fuzzy
msgctxt "Stock label"
msgid "_Open"
msgstr "_AÃ’

#. Page orientation
#: gtk/gtkstock.c:400
msgctxt "Stock label"
msgid "Landscape"
msgstr ""

#. Page orientation
#: gtk/gtkstock.c:402
#, fuzzy
msgctxt "Stock label"
msgid "Portrait"
msgstr "Ã&#135;ap Et"

#. Page orientation
#: gtk/gtkstock.c:404
msgctxt "Stock label"
msgid "Reverse landscape"
msgstr ""

#. Page orientation
#: gtk/gtkstock.c:406
msgctxt "Stock label"
msgid "Reverse portrait"
msgstr ""
#: gtk/gtkstock.c:407
#: fuzzy
msgctxt "Stock label"
msgid "Page Set up"
msgstr "%u sahpasy"

#: gtk/gtkstock.c:408
#: fuzzy
msgctxt "Stock label"
msgid "_Paste"
msgstr "_ÃabÅŸyr"

#: gtk/gtkstock.c:409
#: fuzzy
msgctxt "Stock label"
msgid "_Preferences"
msgstr "_SeÃ’enekler"

#: gtk/gtkstock.c:410
#: fuzzy
msgctxt "Stock label"
msgid "_Print"
msgstr "_Çap Et"

#: gtk/gtkstock.c:411
#: fuzzy
msgctxt "Stock label"
msgid "Print Pre_view"
msgstr "Çapyň _Ön Namaýyşy"

#: gtk/gtkstock.c:412
#: fuzzy
msgctxt "Stock label"
msgid "_Properties"
msgstr "_Häsiýetler"

#: gtk/gtkstock.c:413
#: fuzzy
msgctxt "Stock label"
msgid "_Quit"
msgstr "_Çyk"

#: gtk/gtkstock.c:414
#: fuzzy
msgctxt "Stock label"
msgid "_Redo"
msgstr "_Ãene Et"
#: gtk/gtkstock.c:415
#: fuzzy
msgid "Refresh"
msgstr "Ãene Ä¼kle"

#: gtk/gtkstock.c:416
#: fuzzy
msgid "Remove"
msgstr "Çykar"

#: gtk/gtkstock.c:417
#: fuzzy
msgid "Revert"
msgstr "Ewir"

#: gtk/gtkstock.c:418
#: fuzzy
msgid "Save"
msgstr "Gaýd Et"

#: gtk/gtkstock.c:419
#: fuzzy
msgid "Select All"
msgstr "Ehlini Saýla"

#: gtk/gtkstock.c:420
#: fuzzy
msgid "Color"
msgstr "Renk"

#: gtk/gtkstock.c:421
#: fuzzy
msgid "Font"
msgstr "Kalam"
#. Sorting direction
#: gtk/gtkstock.c:424
#: fuzzy
msgctxt "Stock label"
msgid "_Ascending"
msgstr "_Artan"

#. Sorting direction
#: gtk/gtkstock.c:426
#: fuzzy
msgctxt "Stock label"
msgid "_Descending"
msgstr "_Azalan"

#: gtk/gtkstock.c:427
#: fuzzy
msgctxt "Stock label"
msgid "_Spell Check"
msgstr "_Ymlany Barla"

#: gtk/gtkstock.c:428
#: fuzzy
msgctxt "Stock label"
msgid "_Stop"
msgstr "_Dur"

#. Font variant
#: gtk/gtkstock.c:430
#: fuzzy
msgctxt "Stock label"
msgid "_Strikethrough"
msgstr "_ÂŠ#/156:sti ÂŠ#/135;yzyk"

#: gtk/gtkstock.c:431
#: fuzzy
msgctxt "Stock label"
msgid "_Undelete"
msgstr "_Pozmagy Izine Ewir"

#. Font variant
#: gtk/gtkstock.c:433
#: fuzzy
msgctxt "Stock label"
msgid "_Underline"
msgstr "_Asty ÂŠ#/135;yzyk"
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msgstr "" 

#: gtk/gtktextbufferserialize.c:1857
msgid ""
"Serialized data is malformed. First section isn't GTKTEXTBUFFERCONTENTS-0001"
msgstr "" 

#: gtk/gtktextutil.c:61
msgid "LRM _Left-to-right mark"
msgstr "LRM _Soldan-saga alamat"

#: gtk/gtktextutil.c:62
msgid "RLM _Right-to-left mark"
msgstr "RLM _Sagdan sola alamat"

#: gtk/gtktextutil.c:63
msgid "LRE Left-to-right _embedding"
msgstr "LRE Soldan saga _geýdirme"

#: gtk/gtktextutil.c:64
msgid "RLE Right-to-left _embedding"
msgstr "RLKE Sagdan sola g_eýdirme"

#: gtk/gtktextutil.c:65
msgid "LRO Left-to-right _override"
msgstr ""

#: gtk/gtktextutil.c:66
msgid "RLO Right-to-left _override"
msgstr ""

#: gtk/gtktextutil.c:67
msgid "PDF _Pop directional formatting"
msgstr ""

#: gtk/gtktextutil.c:68
msgid "ZWS _Zero width space"
msgstr ""

#: gtk/gtktextutil.c:69
msgid "ZWJ Zero width _joiner"
msgstr ""

#: gtk/gtktextutil.c:70
msgid "ZWNJ Zero width _non-joiner"
msgstr ""

#: gtk/gtkthemes.c:71
msgid "Unable to locate theme engine in module_path: \"%s\","
msgstr ""

#: gtk/gtktipsquery.c:188
msgid "--- No Tip ---"
msgstr ""

#: gtk/gtkuimanager.c:1505
#, c-format
msgid "Unexpected start tag '%%s' on line %d char %d"
msgstr ""

#: gtk/gtkuimanager.c:1595
#, c-format
msgid "Unexpected character data on line %d char %d"
msgstr ""

#: gtk/gtkuimanager.c:2427
msgid "Empty"
msgstr ""

#: gtk/gtkvolumebutton.c:73
#, fuzzy
msgid "Volume"
msgstr "_Mykdar:"

#: gtk/gtkvolumebutton.c:75
msgid "Turns volume down or up"
msgstr ""

#: gtk/gtkvolumebutton.c:78
msgid "Adjusts the volume"
msgstr ""

#: gtk/gtkvolumebutton.c:81 gtk/gtkvolumebutton.c:84
msgid "Volume Down"
msgstr ""

#: gtk/gtkvolumebutton.c:83
msgid "Decreases the volume"
msgstr ""

#: gtk/gtkvolumebutton.c:87 gtk/gtkvolumebutton.c:90
msgid "Volume Up"
msgstr ""

#: gtk/gtkvolumebutton.c:89
msgid "Increases the volume"
msgstr ""

#: gtk/gtkvolumebutton.c:147
msgid "Muted"
msgstr ""

#: gtk/gtkvolumebutton.c:151
msgid "Full Volume"
msgstr ""

#. Translators: this is the percentage of the current volume,
#. * as used in the tooltip, eg. "49 %".
#. * Translate the "%d" to "%ld" if you want to use localised digits,
#. * or otherwise translate the "%d" to "%d".
#
#: gtk/gtkvolumebutton.c:164
#, c-format
msgctxt "volume percentage"
msgid "%d %%"
msgstr ""

#: gtk/paper_names_offsets.c:4
#, fuzzy
msgctxt "paper size"
msgid "asme_f"
msgstr "Ad"

#: gtk/paper_names_offsets.c:5
msgctxt "paper size"
msgid "A0x2"
msgstr ""

#: gtk/paper_names_offsets.c:6
msgctxt "paper size"
msgid "A0"
msgstr ""

#: gtk/paper_names_offsets.c:7
msgctxt "paper size"
msgid "A0x3"
msgstr ""

#: gtk/paper_names_offsets.c:8
msgctxt "paper size"
msgid "A1"
msgstr ""
#: gtk/paper_names_offsets.c:9
msgctxt "paper size"
msgid "A10"
msgstr ""

#: gtk/paper_names_offsets.c:10
msgctxt "paper size"
msgid "A1x3"
msgstr ""

#: gtk/paper_names_offsets.c:11
msgctxt "paper size"
msgid "A1x4"
msgstr ""

#: gtk/paper_names_offsets.c:12
msgctxt "paper size"
msgid "A2"
msgstr ""

#: gtk/paper_names_offsets.c:13
msgctxt "paper size"
msgid "A2x3"
msgstr ""

#: gtk/paper_names_offsets.c:14
msgctxt "paper size"
msgid "A2x4"
msgstr ""

#: gtk/paper_names_offsets.c:15
msgctxt "paper size"
msgid "A2x5"
msgstr ""

#: gtk/paper_names_offsets.c:16
msgctxt "paper size"
msgid "A3"
msgstr ""

#: gtk/paper_names_offsets.c:17
msgctxt "paper size"
msgid "A3 Extra"
msgstr ""

#: gtk/paper_names_offsets.c:18
msgctxt "paper size"
msgid "A3x3"
msgctxt "paper size"
msgid "JB3"
msgstr ""

#: gtk/paper_names_offsets.c:77
msgctxt "paper size"
msgid "JB4"
msgstr ""

#: gtk/paper_names_offsets.c:78
msgctxt "paper size"
msgid "JB5"
msgstr ""

#: gtk/paper_names_offsets.c:79
msgctxt "paper size"
msgid "JB6"
msgstr ""

#: gtk/paper_names_offsets.c:80
msgctxt "paper size"
msgid "JB7"
msgstr ""

#: gtk/paper_names_offsets.c:81
msgctxt "paper size"
msgid "JB8"
msgstr ""

#: gtk/paper_names_offsets.c:82
msgctxt "paper size"
msgid "JB9"
msgstr ""

#: gtk/paper_names_offsets.c:83
msgctxt "paper size"
msgid "jis exec"
msgstr ""

#: gtk/paper_names_offsets.c:84
msgctxt "paper size"
msgid "Choukei 2 Envelope"
msgstr ""

#: gtk/paper_names_offsets.c:85
msgctxt "paper size"
msgid "Choukei 3 Envelope"
msgstr ""
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msgid "10x15"
msgstr ""

#: gtk/paper_names_offsets.c:97
msgctxt "paper size"
msgid "11x12"
msgstr ""

#: gtk/paper_namesOffsets.c:98
msgctxt "paper size"
msgid "11x15"
msgstr ""

#: gtk/paper_names_offsets.c:99
msgctxt "paper size"
msgid "12x19"
msgstr ""

#: gtk/paper_names_offsets.c:100
msgctxt "paper size"
msgid "5x7"
msgstr ""

#: gtk/paper_namesOffsets.c:101
msgctxt "paper size"
msgid "6x9 Envelope"
msgstr ""

#: gtk/paper_namesOffsets.c:102
msgctxt "paper size"
msgid "7x9 Envelope"
msgstr ""

#: gtk/paper_namesOffsets.c:103
msgctxt "paper size"
msgid "9x11 Envelope"
msgstr ""

#: gtk/paper_namesOffsets.c:104
msgctxt "paper size"
msgid "a2 Envelope"
msgstr ""

#: gtk/paper_namesOffsets.c:105
msgctxt "paper size"
msgid "Arch A"
msgstr ""
#: gtk/paper_names_offsets.c:106
msgctxt "paper size"
msgid "Arch B"
msgstr ""

#: gtk/paper_names_offsets.c:107
msgctxt "paper size"
msgid "Arch C"
msgstr ""

#: gtk/paper_names_offsets.c:108
msgctxt "paper size"
msgid "Arch D"
msgstr ""

#: gtk/paper_names_offsets.c:109
msgctxt "paper size"
msgid "Arch E"
msgstr ""

#: gtk/paper_names_offsets.c:110
msgctxt "paper size"
msgid "b-plus"
msgstr ""

#: gtk/paper_names_offsets.c:111
msgctxt "paper size"
msgid "c"
msgstr ""

#: gtk/paper_names_offsets.c:112
msgctxt "paper size"
msgid "c5 Envelope"
msgstr ""

#: gtk/paper_names_offsets.c:113
msgctxt "paper size"
msgid "d"
msgstr ""

#: gtk/paper_names_offsets.c:114
msgctxt "paper size"
msgid "e"
msgstr ""

#: gtk/paper_names_offsets.c:115
msgctxt "paper size"
msgid "edp"
#: gtk/paper_names_offsets.c:125
msgctxt "paper size"
msgid "Index 4x6 (postcard)"
msgstr ""

#: gtk/paper_names_offsets.c:126
#, fuzzy
msgctxt "paper size"
msgid "Index 4x6 ext"
msgstr "_Indeks"

#: gtk/paper_names_offsets.c:127
#, fuzzy
msgctxt "paper size"
msgid "Index 5x8"
msgstr "_Indeks"

#: gtk/paper_names_offsets.c:128
msgctxt "paper size"
msgid "Invoice"
msgstr ""

#: gtk/paper_names_offsets.c:129
msgctxt "paper size"
msgid "Tabloid"
msgstr ""

#: gtk/paper_names_offsets.c:130
msgctxt "paper size"
msgid "US Legal"
msgstr ""

#: gtk/paper_namesOffsets.c:131
msgctxt "paper size"
msgid "US Legal Extra"
msgstr ""

#: gtk/paper_namesOffsets.c:132
msgctxt "paper size"
msgid "US Letter"
msgstr ""

#: gtk/paper_namesOffsets.c:133
msgctxt "paper size"
msgid "US Letter Extra"
msgstr ""
#: gtk/paper_names_offsets.c:153
msgid "Postfix Envelope"
msgstr ""

#: gtk/paper_names_offsets.c:154
msgid "Small Photo"
msgstr ""

#: gtk/paper_names_offsets.c:155
msgid "prc1 Envelope"
msgstr ""

#: gtk/paper_names_offsets.c:156
msgid "prc10 Envelope"
msgstr ""

#: gtk/paper_names_offsets.c:157
msgid "prc 16k"
msgstr ""

#: gtk/paper_names_offsets.c:158
msgid "prc2 Envelope"
msgstr ""

#: gtk/paper_namesOffsets.c:159
msgid "prc3 Envelope"
msgstr ""

#: gtk/paper_names_offsets.c:160
msgid "prc 32k"
msgstr ""

#: gtk/paper_names_offsets.c:161
msgid "prc4 Envelope"
msgstr ""

#: gtk/paper_namesOffsets.c:162
msgid "prc5 Envelope"
msgid "Failed to write folder index"
msgstr "Wagtlaýyn faýldan okamakda hata boldy"

#: gtk/updateiconcache.c:1394
#, c-format
msgid "Failed to rewrite header"
msgstr ""

#: gtk/updateiconcache.c:1463
#, fuzzy, c-format
msgid "Failed to open file %s : %s"
msgstr ""%s resimi Ä¿ä½l½klenip bilmedi: %s"

#: gtk/updateiconcache.c:1471
#, c-format
msgid "The generated cache was invalid."
msgstr ""

#: gtk/updateiconcache.c:1507
#, c-format
msgid "Could not rename %s to %s: %s, removing %s then."
msgstr ""

#: gtk/updateiconcache.c:1521
#, c-format
msgid "Could not rename %s to %s: %s"
msgstr "Faýlyň adyny "%s"-den "%s"-e ewez etmede bu hata doredi: %s"

#: gtk/updateiconcache.c:1545
#, fuzzy, c-format
msgid "Could not rename %s back to %s: %s"
msgstr "Faýlyň adyny %s-#136; adyny %s-den %s-e ewez etmede bu hata doredi: %s"

#: gtk/updateiconcache.c:1572
#, c-format
msgid "Cache file created successfully."
msgstr ""

#: gtk/updateiconcache.c:1611
msgid "Overwrite an existing cache, even if up to date"
msgstr ""
#: gtk/updateiconcache.c:1612
msgid "Don't check for the existence of index.theme"
msgstr ""

#: gtk/updateiconcache.c:1613
msgid "Don't include image data in the cache"
msgstr ""

#: gtk/updateiconcache.c:1614
msgid "Output a C header file"
msgstr ""

#: gtk/updateiconcache.c:1615
msgid "Turn off verbose output"
msgstr ""

#: gtk/updateiconcache.c:1616
msgid "Validate existing icon cache"
msgstr ""

#: gtk/updateiconcache.c:1683
#, c-format
msgid "File not found: %s\n"
msgstr ""

#: gtk/updateiconcache.c:1689
#, c-format
msgid "Not a valid icon cache: %s\n"
msgstr ""

#: gtk/updateiconcache.c:1702
#, c-format
msgid "No theme index file.\n"
msgstr ""

#: gtk/updateiconcache.c:1706
#, c-format
msgid ""
"No theme index file in %s\n"
"If you really want to create an icon cache here, use --ignore-theme-index.\n"
msgstr ""

#. ID
#: modules/input/imam-et.c:454
msgid "Amharic (EZ+)"
msgstr ""

#. ID
#: modules/printbackends/cups/gtkprintbackendcups.c:809
#: modules/printbackends/cups/gtkprintbackendcups.c:1018
#: _Adyny Ewez Et
msgid "Username:
msgstr "

#: modules/printbackends/cups/gtkprintbackendcups.c:810
#: modules/printbackends/cups/gtkprintbackendcups.c:1027
#: _Ön Namaýyş
msgid "Password:
msgstr "

#: modules/printbackends/cups/gtkprintbackendcups.c:848
#: c-format
msgid "Authentication is required to get a file from \%s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:852
#: modules/printbackends/cups/gtkprintbackendcups.c:1040
#: c-format
msgid "Authentication is required to print document \%s on printer \%s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:854
#: c-format
msgid "Authentication is required to print a document on \%s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:858
#: c-format
msgid "Authentication is required to get attributes of job \%s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:860
msgid "Authentication is required to get attributes of a job"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:864
#: c-format
msgid "Authentication is required to get attributes of printer \%s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:866
msgid "Authentication is required to get attributes of a printer"
msgstr ""
msgid "Authentication is required to get default printer of %s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:872
#, c-format
msgid "Authentication is required to get printers from %s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:875
#, c-format
msgid "Authentication is required on %s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1012
#, fuzzy
msgid "Domain:
msgstr "_.Äer"

#: modules/printbackends/cups/gtkprintbackendcups.c:1042
#, c-format
msgid "Authentication is required to print document '%s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1047
#, c-format
msgid "Authentication is required to print this document on printer %s"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1049
msgid "Authentication is required to print this document"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1670
#, c-format
msgid "Printer '%s' is low on toner."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1671
#, c-format
msgid "Printer '%s' has no toner left."
msgstr ""

#. Translators: "Developer" like on photo development context
#: modules/printbackends/cups/gtkprintbackendcups.c:1673
#, c-format
msgid "Printer '%s' is low on developer."
msgstr ""
#. Translators: "Developer" like on photo development context
#: modules/printbackends/cups/gtkprintbackendcups.c:1675
#, c-format
msgid "Printer '%s' is out of developer."
msgstr ""

#. Translators: "marker" is one color bin of the printer
#: modules/printbackends/cups/gtkprintbackendcups.c:1677
#, c-format
msgid "Printer '%s' is low on at least one marker supply."
msgstr ""

#. Translators: "marker" is one color bin of the printer
#: modules/printbackends/cups/gtkprintbackendcups.c:1679
#, c-format
msgid "Printer '%s' is out of at least one marker supply."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1680
#, c-format
msgid "The cover is open on printer '%s'."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1681
#, c-format
msgid "The door is open on printer '%s'."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1682
#, c-format
msgid "Printer '%s' is low on paper."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1683
#, c-format
msgid "Printer '%s' is out of paper."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1684
#, c-format
msgid "Printer '%s' is currently off-line."
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:1685
#, c-format
msgid "Printer '%s' may not be connected."
msgstr ""
#: modules/printbackends/cups/gtkprintbackendcups.c:2823
msgid "Miscellaneous"
msgstr ""

#. Translators: These strings name the possible values of the
#. * job priority option in the print dialog
#
#: modules/printbackends/cups/gtkprintbackendcups.c:3500
msgid "Urgent"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3500
msgid "High"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3500
msgid "Medium"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3500
msgid "Low"
msgstr ""

#. Cups specific, non-ppd related settings
#. Translators, this string is used to label the pages-per-sheet option
#. * in the print dialog
#
#: modules/printbackends/cups/gtkprintbackendcups.c:3524
#, fuzzy
msgid "Pages per Sheet"
msgstr "_Hã±siÃ±etler"

#. Translators, this string is used to label the job priority option
#. * in the print dialog
#
#: modules/printbackends/cups/gtkprintbackendcups.c:3561
msgid "Job Priority"
msgstr ""

#. Translators, this string is used to label the billing info entry
#. * in the print dialog
#
#: modules/printbackends/cups/gtkprintbackendcups.c:3572
msgid "Billing Info"
msgstr ""

#. Translators, these strings are names for various 'standard' cover
#. * pages that the printing system may support.
#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "None"
msgstr "hi"

#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "Classified"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "Confidential"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "Secret"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "Standard"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "Top Secret"
msgstr ""

#: modules/printbackends/cups/gtkprintbackendcups.c:3587
msgid "Unclassified"
msgstr ""

#. Translators, this is the label used for the option in the print
#. dialog that controls the front cover page.
#. 
#: modules/printbackends/cups/gtkprintbackendcups.c:3622
msgid "Before"
msgstr ""

#. Translators, this is the label used for the option in the print
#. dialog that controls the back cover page.
#. 
#: modules/printbackends/cups/gtkprintbackendcups.c:3637
msgid "After"
msgstr ""

#. Translators: this is the name of the option that controls when
#. a print job is printed. Possible values are 'now', a specified time,
#. or 'on hold'
#. 
#: modules/printbackends/cups/gtkprintbackendcups.c:3657
#: fuzzy
msgid "Print at"
msgstr "Çap Et"

#. Translators: this is the name of the option that allows the user
#. * to specify a time when a print job will be printed.
#
#: modules/printbackends/cups/gtkprintbackendcups.c:3668
#: fuzzy
msgid "Print at time"
msgstr "Çap Et"

#. Translators: this format is used to display a custom paper
#. * size. The two placeholders are replaced with the width and height
#. * in points. E.g: "Custom 230.4x142.9"
#
#: modules/printbackends/cups/gtkprintbackendcups.c:3703
#: c-format
msgid "Custom %sx%s"
msgstr ""

#: default filename used for print-to-file
#: modules/printbackends/file/gtkprintbackendfile.c:250
#: c-format
msgid "output.%s"
msgstr ""

#: modules/printbackends/file/gtkprintbackendfile.c:493
#: fuzzy
msgid "Print to File"
msgstr "Çap Et"

#: modules/printbackends/file/gtkprintbackendfile.c:570
msgid "PDF"
msgstr ""

#: modules/printbackends/file/gtkprintbackendfile.c:570
#: fuzzy
msgid "Postscript"
msgstr "Çap Et"

#: modules/printbackends/file/gtkprintbackendfile.c:570
msgid "SVG"
msgstr ""

#: modules/printbackends/file/gtkprintbackendfile.c:582
#: modules/printbackends/test/gtkprintbackendtest.c:503
#, fuzzy
#~ msgid "Media|_Stop"
#~ msgstr "_Dur"

#~ msgid "Group"
#~ msgstr "Topar"

#~ msgid "Invalid filename: %s"
#~ msgstr "Maýyp faýl ady: %s"

#~ msgid "%d byte"
#~ msgid_plural "%d bytes"
#~ msgstr[0] "%d baýt"
#~ msgstr[1] "%d baýt"

#~ msgid "Default"
#~ msgstr "Ã&#150;Å&#136; bellenen"

#, fuzzy
#~ msgid "_All"
#~ msgstr "_Doldur"

#~ msgid "Today"
#~ msgstr "Bugun"

#, fuzzy
#~ msgid "Location:"n
#~ msgstr "Ãer"

#, fuzzy
#~ msgid "Error getting information for '/': %s"
#~ msgstr "Faýlyň adyny "%s"-den "%s"-e ewez etmede bu hata doredi: %s"

#~ msgid "Select All"
#~ msgstr "Ehlini SaÂ³la"

#, fuzzy
#~ msgid "shortcut %s already exists"
#~ msgstr "%s gysga ýoly ýok"

#~ msgid "Folder"
#~ msgstr "Halta"

#, fuzzy
#~ msgid "Cannot change folder"
#~ msgstr "Bu haltaniÅ&#136; iÅinde bejer:"

#, fuzzy
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3897male.nam 4160offi.cia 4946fema.len 6213acro.nym 74550com.mon

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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Date: Sat, 08 Jul 2000 20:27:21 +0100
From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

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Date: Tue, 11 Jul 2000 19:31:34 +0100

> So are you saying your word list is also in the public domain?

That is the intention.

The 20 level includes frequency classes 7-15 from Brian's word list.

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The 60 level includes Brian's frequency class 0 and all words appearing in at least 2 of the 12 dictionaries as indicated by the 12Dicts package.

The 70 level includes the 74,550 common dictionary words from the MWords package. The common dictionary words, like those from the 12Dicts package, have had all likely inflections added. The 70 level also included the 5desk list from version 4.0 of the 12Dics package which is in the public domain.

The 80 level includes the ENABLE word list, all the lists in the ENABLE supplement package (except for ABLE), the "UK Advanced Cryptics Dictionary" (UKACD), the list of signature words in from YAWL package, and the 10,196 places list from the MWords package.

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The 95 level includes the 354,984 single words, 256,772 compound
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from the MWords package, ABLE.LST from the ENABLE Supplement, and some
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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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under the terms of Sections 1 and 2 above provided that you accompany
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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
distribute the source code, even though third parties are not
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5. A program that contains no derivative of any portion of the
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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
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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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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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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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Version 2, June 1991

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[This is the first released version of the library GPL.  It is
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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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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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/**
 * @test
 * @bug 7177216
@summary resulting file of native2ascii should have normal permission
*

import java.io.*;
import java.nio.file.*;
import java.nio.file.attribute.*;
import sun.tools.native2ascii.Main;

public class Permission {

    private static void cleanup(String... fnames) throws Throwable {
        for (String fname : fnames) {
            Files.deleteIfExists(Paths.get(fname));
        }
    }

    public static void realMain(String[] args) throws Throwable {
        if (!System.getProperty("os.name").startsWith("Windows")) {
            String src = "native2ascii_permtest_src";
            String dst = "native2ascii_permtest_dst";

            cleanup(src, dst);

            try {
                try (FileOutputStream fos = new FileOutputStream(src)) {
                    fos.write('a'); fos.write('b'); fos.write('c');
                }
                String[] n2aArgs = new String[] {"-encoding", "utf8", src, dst};
                if (!new Main().convert(n2aArgs)) {
                    fail("n2a failed.");
                }
                equal(Files.getPosixFilePermissions(Paths.get(src)),
                        Files.getPosixFilePermissions(Paths.get(dst)));
                String[] a2nArgs = new String[] {"-reverse", "-encoding", "utf8", dst, src};
                if (!new Main().convert(a2nArgs)) {
                    fail("a2n failed.");
                }
                equal(Files.getPosixFilePermissions(Paths.get(src)),
                        Files.getPosixFilePermissions(Paths.get(dst)));
            } finally {
                cleanup(src, dst);
            }
        }
    }

    //--------------------- Infrastructure ---------------------------
    static volatile int passed = 0, failed = 0;
    static void pass() {passed++;}
    static void fail() {failed++; Thread.dumpStack();}
static void fail(String msg) {System.out.println(msg); fail();}
static void unexpected(Throw t) {failed++; t.printStackTrace();}
static void check(boolean cond) {if (cond) pass(); else fail();}
static void equal(Object x, Object y) {
    if (x == null ? y == null : x.equals(y)) pass();
    else fail(x + " not equal to " + y);
}
public static void main(String[] args) throws Throwable {
    try {realMain(args);} catch (Throwable t) {unexpected(t);} System.out.println("Passed = " + passed + " failed = " + failed);
    if (failed > 0) throw new AssertionError("Some tests failed");
} /*
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 * questions.
 */
/*
 * @test
 * @bug 4193422
 * @summary Make sure NullPointerExceptions are thrown when null
 * is passed into permission names
 */
import java.security.*;
import java.util.PropertyPermission;

public class NullName {

    public static void main(String[] args) throws Exception {
        int count = 0;

try {

    try {
        PropertyPermission pp = new PropertyPermission(null, "read");
    } catch (NullPointerException e) {
        count++;  
    }

    try {
        java.io.FilePermission fp =
            new java.io.FilePermission(null, "read");
    } catch (NullPointerException e) {
        count++;  
    }

    try {
        java.net.SocketPermission sp =
            new java.net.SocketPermission(null, "connect");
    } catch (NullPointerException e) {
        count++;  
    }

    try {
        RuntimePermission rp = new RuntimePermission(null);
    } catch (NullPointerException e) {
        count++;  
    }

    try {
        UnresolvedPermission up = new UnresolvedPermission(null, "blah", "read", null);
    } catch (NullPointerException e) {
        count++;  
    }

} catch (Exception e) {
    throw new Exception("Test failed: Wrong exception thrown");
}

if (count != 5)
    throw new Exception("Test failed: didn't catch enough NullPointerExceptions");

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 * questions.
 */

/*
 * @test
 * @bug 6549506
 * @summary Specification of Permission.toString() method contradicts with
 * JDK implementation
 */

import java.security.*;

public class ToString {
    public static void main(String[] args) throws Exception {
        DummyWritePermission dummyPerm = new DummyWritePermission();
        NullActionPermission nullActionPerm = new NullActionPermission();
        System.out.println(dummyPerm.toString());
        System.out.println(dummyPerm.getDescription());
        System.out.println(nullActionPerm.toString());
        System.out.println(nullActionPerm.getDescription());
        if (!dummyPerm.toString().equals(dummyPerm.getDescription())) {
            throw new Exception("The expected permission.toString() is " +
                dummyPerm.getDescription() + ", but " +
                dummyPerm.toString() + ", returned!");
        }
        if (!nullActionPerm.toString().equals(nullActionPerm.getDescription())) {
            throw new Exception("The expected permission.toString() is " +
                nullActionPerm.getDescription() + ", but " +
                nullActionPerm.toString() + ", returned!");
private static abstract class SimplePermission extends Permission {
    public SimplePermission(String name) {
        super(name);
    }

    public boolean implies(Permission permission) {
        return false;
    }

    public boolean equals(Object obj) {
        return false;
    }

    public int hashCode() {
        return 13;
    }
}

private static class DummyWritePermission extends SimplePermission {
    public DummyWritePermission() {
        super("permit to");
    }

    public String getActions() {
        return "write";
    }

    public String getDescription() {
        return "(" + getClass().getName() + " " + getActions() + " " + getPermissionType() + ");"
    }
}

private static class NullActionPermission extends SimplePermission {
    public NullActionPermission() {
        super("permit to");
    }

    public String getActions() {
        return null;
    }

    public String getDescription() {
        return "(" + getClass().getName() + " " + getPermissionType() + ");"
    }
}
import java.rmi.Remote;
public interface Legal extends Remote {
    #
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platform=bsd
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# questions.
#
# Define public interface for libawt.so on Bsd.
# Bsd port does not use mawt, all public symbols are in libawt.so

SUNWprivate_1.1 {
  global:
  JNI_OnLoad;

  Java_java_awt_CheckboxMenuItem_initIDs;
  Java_java_awt_Color_initIDs;
Region_NextIteration;
Region_EndIteration;
GrPrim_CompGetXorInfo;
GrPrim_CompGetAlphaInfo;

img_makePalette;
initInverseGrayLut;
make_dither_arrays;
make_uns_ordered_dither_array;

# variables exported to libmawt
std_img_oda_red;
std_img_oda_blue;
std_img_oda_green;
std_odas_computed;
g_CMpDataID;
colorValueID;
jvm;

# CDE private entry point
    # This is in awt_LoadLibrary.c and falls through to libmawt.
    # Evidently CDE needs this for backward compatability.
Java_sun_awt_motif_XsessionWMcommand;

# Java Plugin
    # This is in awt_LoadLibrary.c and falls through to libmawt.
    # Evidently plugin needs this for backward compatability.
getAwtLockFunctions;
getAwtData;
getAwtDisplay;

# libfontmanager entry points
AWTIsHeadless;
GrPrim_Sg2dGetCompInfo;
GrPrim_Sg2dGetClip;
GetNativePrim;
SurfaceData_IntersectBounds;
SurfaceData_GetOps;
Disposer_AddRecord;
GrPrim_Sg2dGetEaRGB;
GrPrim_Sg2dGetPixel;
GrPrim_Sg2dGetLCDTextContrast;

#Java_sun_awt_motif_MComponentPeer_restoreFocus;
Java_sun_awt_DefaultMouseInfoPeer_fillPointWithCoords;
Java_sun_awt_DefaultMouseInfoPeer_isWindowUnderMouse;
Java_java_awt_AWTEvent_nativeSetSource;
Java_java_awt_Checkbox_initIDs;
Java_java_awt_Component_initIDs;
Java_java_awt_Dialog_initIDs;
Java_java_awt_Font_initIDs;
Java_sun_awt_KeyboardFocusManagerPeerImpl_clearNativeGlobalFocusOwner;
Java_sun_awt_KeyboardFocusManagerPeerImpl_getNativeFocusOwner;
Java_sun_awt_KeyboardFocusManagerPeerImpl_getNativeFocusedWindow;
Java_java_awt_KeyboardFocusManager_initIDs;
Java_java_awt_Menu_initIDs;
Java_java_awt_MenuComponent_initIDs;
Java_java_awt_MenuItem_initIDs;
Java_java_awt_Scrollbar_initIDs;
Java_java_awt_ScrollPane_initIDs;
Java_java_awt_TextArea_initIDs;
Java_sun_awt_FontDescriptor_initIDs;
#Java_sun_awt_motif_MButtonPeer_create;
#Java_sun_awt_motif_MButtonPeer_setLabel;
#Java_sun_awt_motif_MCanvasPeer_create;
#Java_sun_awt_motif_MCanvasPeer_initIDs;
#Java_sun_awt_motif_MCanvasPeer_setTargetGC;
#Java_sun_awt_motif_MCheckboxMenuItemPeer_pSetState;
#Java_sun_awt_motif_MCheckboxPeer_create;
#Java_sun_awt_motif_MCheckboxPeer_setCheckboxGroup;
#Java_sun_awt_motif_MCheckboxPeer_setLabel;
#Java_sun_awt_motif_MCheckboxPeer_setState;
#Java_sun_awt_motif_MCheckboxPeer_setitem;
#Java_sun_awt_motif_MChoicePeer_addItem;
#Java_sun_awt_motif_MChoicePeer_appendItems;
#Java_sun_awt_motif_MChoicePeer_create;
#Java_sun_awt_motif_MChoicePeer_pReshape;
#Java_sun_awt_motif_MChoicePeer_remove;
#Java_sun_awt_motif_MChoicePeer_removeAll;
#Java_sun_awt_motif_MChoicePeer_setBackground;
#Java_sun_awt_motif_MChoicePeer_pSelect;
#Java_sun_awt_motif_MChoicePeer_setFont;
#Java_sun_awt_motif_MChoicePeer_setForeground;
#Java_sun_awt_motif_MComponentPeer_addNativeDropTarget;
#Java_sun_awt_motif_MComponentPeer_createBackBuffer;
#Java_sun_awt_motif_MComponentPeer_destroyBackBuffer;
#Java_sun_awt_motif_MComponentPeer_getNativeColor;
#Java_sun_awt_motif_MComponentPeer_getWindow;
#Java_sun_awt_motif_MComponentPeer_pDisable;
#Java_sun_awt_motif_MComponentPeer_pDispose;
#Java_sun_awt_motif_MComponentPeer_pEnable;
#Java_sun_awt_motif_MComponentPeer_pGetLocationOnScreen;
#Java_sun_awt_motif_MComponentPeer_pGetLocationOnScreen2;
#Java_sun_awt_motif_MComponentPeer_pHide;
#Java_sun_awt_motif_MComponentPeer_pInitialize;
#Java_sun_awt_motif_MComponentPeer_pMakeCursorVisible;
#Java_sun_awt_motif_MComponentPeer_pReshape;

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#Java_sun_awt_motif_MListPeer_deselect;
#Java_sun_awt_motif_MListPeer_isSelected;
#Java_sun_awt_motif_MListPeer_makeVisible;
#Java_sun_awt_motif_MListPeer_select;
#Java_sun_awt_motif_MListPeer_setMultipleSelections;
#Java_sun_awt_motif_MMenuBarPeer_create;
#Java_sun_awt_motif_MMenuItemPeer_createMenuItem;
#Java_sun_awt_motif_MMenuItemPeer_pDisable;
#Java_sun_awt_motif_MMenuItemPeer_pDispose;
#Java_sun_awt_motif_MMenuItemPeer_pEnable;
#Java_sun_awt_motif_MMenuItemPeer_pSetLabel;
#Java_sun_awt_motif_MMenuPeer_createMenu;
#Java_sun_awt_motif_MMenuPeer_createSubMenu;
#Java_sun_awt_motif_MMenuPeer_pDispose;
#Java_sun_awt_motif_MPpopupMenuPeer_createMenu;
#Java_sun_awt_motif_MPopupMenuPeer_pDispose;
#Java_sun_awt_motif_MPopupMenuPeer_pShow;
#Java_sun_awt_motif_MRobotPeer_getRGBPixelsImpl;
#Java_sun_awt_motif_MRobotPeer_keyPressImpl;
#Java_sun_awt_motif_MRobotPeer_keyReleaseImpl;
#Java_sun_awt_motif_MRobotPeer_mouseMoveImpl;
#Java_sun_awt_motif_MRobotPeer_mousePressImpl;
#Java_sun_awt_motif_MRobotPeer_mouseReleaseImpl;
#Java_sun_awt_motif_MRobotPeer_mouseWheelImpl;
#Java_sun_awt_motif_MRobotPeer_setup;
#Java_sun_awt_motif_MScrollbarPeer_create;
#Java_sun_awt_motif_MScrollbarPeer_setLineIncrement;
#Java_sun_awt_motif_MScrollbarPeer_setPageIncrement;
#Java_sun_awt_motif_MScrollbarPeer_pSetValues;
#Java_sun_awt_motif_MScrollPanePeer_create;
#Java_sun_awt_motif_MScrollPanePeer_pGetBlockIncrement;
#Java_sun_awt_motif_MScrollPanePeer_pGetScrollbarSpace;
#Java_sun_awt_motif_MScrollPanePeer_pGetShadow;
#Java_sun_awt_motif_MScrollPanePeer_pInsets;
#Java_sun_awt_motif_MScrollPanePeer_pSetIncrement;
#Java_sun_awt_motif_MScrollPanePeer_pSetScrollChild;
#Java_sun_awt_motif_MScrollPanePeer_setScrollPosition;
#Java_sun_awt_motif_MTextAreaPeer_initIDs;
#Java_sun_awt_motif_MTextAreaPeer_pCreate;
#Java_sun_awt_motif_MTextAreaPeer_getCaretPosition;
#Java_sun_awt_motif_MTextAreaPeer_getExtraHeight;
#Java_sun_awt_motif_MTextAreaPeer_getExtraWidth;
#Java_sun_awt_motif_MTextAreaPeer_getSelectionEnd;
#Java_sun_awt_motif_MTextAreaPeer_getSelectionStart;
#Java_sun_awt_motif_MTextAreaPeer_getText;
#Java_sun_awt_motif_MTextAreaPeer_insert;
#Java_sun_awt_motif_MTextAreaPeer_pMakeCursorVisible;
#Java_sun_awt_motif_MTextAreaPeer_pSetEditable;
#Java_sun_awt_motif_MMenuitemPeer_initIDs;
#Java_sun_awt_motif_MMenuitemPeer_pSetShortcut;
#Java_sun_awt_motif_MPIpupMenuPeer_initIDs;
#Java_sun_awt_motif_MScrollBarPeer_initIDs;
#Java_sun_awt_motif_MScrollPanePeer_initIDs;
#Java_sun_awt_motif_MTextAreaPeer_pSetcursor;
Java_sun_awt_motif_MTtoolkit_shutdown;
#Java_sun_awt_motif_MWindowPeer_initIDs;
#Java_sun_awt_motif_MWindowPeer_pCreate;
Java_sun_awt_motif_X11FontMetrics_initIDs;
Java_sun_awt_X11InputMethod_initIDs;
Java_sun_awt_motif_X11OffScreenImage_updateBitmask;
#Java_sun_awt_motif_X11Selection_initIDs;
Java_sun_awt_motif_MTtoolkitThreadBlockedHandler_enter;
Java_sun_awt_motif_MTtoolkitThreadBlockedHandler_exit;
Java_sun_awt_X11GraphicsConfig_init;
Java_sun_awt_X11GraphicsConfig_initIDs;
Java_sun_awt_X11GraphicsConfig_makeColorModel;
Java_sun_awt_X11GraphicsDevice_getConfigVisualId;
Java_sun_awt_X11PMBlitLoops_Blit;
Java_sun_awt_X11PMBlitBgLoops_nativeBlitBg;
Java_sun_awt_X11Renderer_devFillSpans;
Java_sun_awt_X11Renderer_doDrawArc;
Java_sun_awt_X11Renderer_doDrawLine;
Java_sun_awt_X11Renderer_doDrawOval;
Java_sun_awt_X11Renderer_doDrawPoly;
Java_sun_awt_X11Renderer_doDrawRect;
Java_sun_awt_X11Renderer_doDrawRoundRect;
Java_sun_awt_X11Renderer_doFillArc;
Java_sun_awt_X11Renderer_doFillPoly;
Java_sun_awt_X11Renderer_doFillRect;
Java_sun_awt_X11Renderer_doFillRoundRect;
Java_sun_awt_X11Renderer_devCopyArea;
Java_sun_awt_X11SurfaceData_initIDs;
Java_sun_awt_X11SurfaceData_initOps;
Java_sun_awt_X11SurfaceData_initSurface;
Java_sun_awt_X11SurfaceData_isDgaAvailable;
Java_sun_awt_X11SurfaceData_setInvalid;
Java_sun_awt_X11SurfaceData_flushNativeSurface;
#Java_sun_awt_motif_MEmbedCanvasPeer_initXEmbedServer;
#Java_sun_awt_motif_MEmbedCanvasPeer_destroyXEmbedServer;
#Java_sun_awt_motif_MEmbedCanvasPeer_isXEmbedActive;
#Java_sun_awt_motif_MEmbedCanvasPeer_initDispatching;
#Java_sun_awt_motif_MEmbedCanvasPeer_endDispatching;
#Java_sun_awt_motif_MEmbedCanvasPeer_embedChild;
#Java_sun_awt_motif_MEmbedCanvasPeer_childDestroyed;
awt_display;
awt_lock;
awt_Unlock;
    awt_GetDrawingSurface;
    awt_FreeDrawingSurface;
    awt_GetComponent;

X11SurfaceData_GetOps;
getDefaultConfig;
    Java_sun_font_FontConfigManager_getFontConfig;
    Java_sun_font_FontConfigManager_getFontConfigAASettings;
Java_sun_awt_X11FontManager_getFontPathNative;
Java_sun_font_SunFontManager_populateFontFileNameMap;

# CDE private entry point
Java_sun_awt_motif_XsessionWMcommand;

# Java Plugin
getAwtLockFunctions;
getAwtData;
getAwtDisplay;

# libfontmanager entry points
AWTIsHeadless;
AWTCountFonts;
    AWTLoadFont;
    AWTFreeFont;
    AWTFontMinByte1;
    AWTFontMaxByte1;
    AWTFontMinCharOrByte2;
    AWTFontMaxCharOrByte2;
    AWTFontDefaultChar;
    AWTFontPerChar;
    AWTFontMaxBounds;
AWTFontTextExtents16;
AWTFreeChar;
AWTFontGenerateImage;
AWTCharAdvance;
AWTCharL Bearing;
AWTCharR Bearing;
AWTCharAscent;
AWTCharDescent;
AWTDrawGlyphList;
AccelGlyphCache_RemoveAllCellInfos;

local:
  *,
};

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# questions.
#
# Define public interface.

SUNWprivate_1.1 {
  global:
    Java_sun_tools_attach_BsdVirtualMachine_checkPermissions;
    Java_sun_tools_attach_BsdVirtualMachine_close;
    Java_sun_tools_attach_BsdVirtualMachine_connect;
    Java_sun_tools_attach_BsdVirtualMachine_open;
    Java_sun_tools_attach_BsdVirtualMachine_sendQuitTo;
}
Java_sun_tools_attach_BsdVirtualMachine_socket;
Java_sun_tools_attach_BsdVirtualMachine_read;
Java_sun_tools_attach_BsdVirtualMachine_write;
Java_sun_tools_attach_BsdVirtualMachine_createAttachFile;

local:
  *
};
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#
SUNWprivate_1.1 {
  global:
    Java_java_nio_MappedByteBuffer_force0;
    Java_java_nio_MappedByteBuffer_isLoaded0;
    Java_java_nio_MappedByteBuffer_load0;
    Java_sun_nio_ch_DatagramChannelImpl_disconnect0;
    Java_sun_nio_ch_DatagramChannelImpl_initIDs;
    Java_sun_nio_ch_DatagramChannelImpl_receive0;
    Java_sun_nio_ch_DatagramChannelImpl_send0;
    Java_sun_nio_ch_DatagramDispatcher_read0;
    Java_sun_nio_ch_DatagramDispatcher_readv0;
    Java_sun_nio_ch_DatagramDispatcher_write0;
    Java_sun_nio_ch_DatagramDispatcher_writev0;
    Java_sun_nio_ch_FileChannelImpl_close0;
    Java_sun_nio_ch_FileChannelImpl_initIDs;
    Java_sun_nio_ch_FileChannelImpl_map0;
Java_sun_nio_ch_FileChannelImpl_position0;
Java_sun_nio_ch_FileChannelImpl_transferTo0;
Java_sun_nio_ch_FileChannelImpl_unmap0;
Java_sun_nio_ch_FileDispatcherImpl_close0;
Java_sun_nio_ch_FileDispatcherImpl_closeIntFD;
Java_sun_nio_ch_FileDispatcherImpl_force0;
Java_sun_nio_ch_FileDispatcherImpl_init;
Java_sun_nio_ch_FileDispatcherImpl_lock0;
Java_sun_nio_ch_FileDispatcherImpl_preClose0;
Java_sun_nio_ch_FileDispatcherImpl_pread0;
Java_sun_nio_ch_FileDispatcherImpl_pwrite0;
Java_sun_nio_ch_FileDispatcherImpl_read0;
Java_sun_nio_ch_FileDispatcherImpl_readv0;
Java_sun_nio_ch_FileDispatcherImpl_release0;
Java_sun_nio_ch_FileDispatcherImpl_size0;
Java_sun_nio_ch_FileDispatcherImpl_truncate0;
Java_sun_nio_ch_FileDispatcherImpl_write0;
Java_sun_nio_ch_FileDispatcherImpl_writev0;
Java_sun_nio_ch_FileKey_init;
Java_sun_nio_ch_FileKey_initIDs;
Java_sun_nio_ch_InheritedChannel_close0;
Java_sun_nio_ch_InheritedChannel_dup;
Java_sun_nio_ch_InheritedChannel_dup2;
Java_sun_nio_ch_InheritedChannel_open0;
Java_sun_nio_ch_InheritedChannel_peerAddress0;
Java_sun_nio_ch_InheritedChannel_peerPort0;
Java_sun_nio_ch_InheritedChannel_soType0;
Java_sun_nio_ch_IOUtil_configureBlocking;
Java_sun_nio_ch_IOUtil_drain;
Java_sun_nio_ch_IOUtil_fdVal;
Java_sun_nio_ch_IOUtil_initIDs;
Java_sun_nio_ch_IOUtil_makePipe;
Java_sun_nio_ch_IOUtil_randomBytes;
Java_sun_nio_ch_IOUtil_setfdVal;
Java_sun_nio_ch_KQueue_kqueue;
Java_sun_nio_ch_KQueue_keventRegister;
Java_sun_nio_ch_KQueue_keventPoll;
Java_sun_nio_ch_KQueue_keventSize;
Java_sun_nio_ch_KQueue_identOffset;
Java_sun_nio_ch_KQueue_filterOffset;
Java_sun_nio_ch_KQueue_flagsOffset;
Java_sun_nio_ch_KQueuePort_socketpair;
Java_sun_nio_ch_KQueuePort_interrupt;
Java_sun_nio_ch_KQueuePort_drain1;
Java_sun_nio_ch_KQueuePort_close0;
Java_sun_nio_ch_NativeThread_current;
Java_sun_nio_ch_NativeThread_init;
Java_sun_nio_ch_NativeThread_signal;
Java_sun_nio_ch_Net_canIPv6SocketJoinIPv4Group0;
Java_sun_nio_ch_Net_canJoin6WithIPv4Group0;
Java_sun_nio_ch_Net_socket0;
Java_sun_nio_ch_Net_bind0;
Java_sun_nio_ch_Net_connect0;
Java_sun_nio_ch_Net_listen;
Java_sun_nio_ch_Net_localPort;
Java_sun_nio_ch_Net_localInetAddress;
Java_sun_nio_ch_Net_getIntOption0;
Java_sun_nio_ch_Net_setIntOption0;
Java_sun_nio_ch_Net_initIDs;
Java_sun_nio_ch_Net_isIPv6Available0;
Java_sun_nio_ch_Net_joinOrDrop4;
Java_sun_nio_ch_Net_blockOrUnblock4;
Java_sun_nio_ch_Net_joinOrDrop6;
Java_sun_nio_ch_Net_blockOrUnblock6;
Java_sun_nio_ch_Net_setInterface4;
Java_sun_nio_ch_Net_getInterface4;
Java_sun_nio_ch_Net_setInterface6;
Java_sun_nio_ch_Net_getInterface6;
Java_sun_nio_ch_Net_shutdown;
Java_sun_nio_ch_Net_isExclusiveBindAvailable;
Java_sun_nio_ch_PollArrayWrapper_interrupt;
Java_sun_nio_ch_PollArrayWrapper_poll0;
Java_sun_nio_ch_ServerSocketChannelImpl_accept0;
Java_sun_nio_ch_ServerSocketChannelImpl_initIDs;
Java_sun_nio_ch_ServerSocketChannelImpl_checkConnect;
Java_sun_nio_ch_SocketChannelImpl_sendOutOfBandData;
Java_sun_nio_ch_UnixAsynchronousServerSocketChannelImpl_accept0;
Java_sun_nio_ch_UnixAsynchronousServerSocketChannelImpl_initIDs;
Java_sun_nio_ch_UnixAsynchronousSocketChannelImpl_checkConnect;
Java_sun_nio_fs_BsdNativeDispatcher_initIDs;
Java_sun_nio_fs_BsdNativeDispatcher_getfstat;
Java_sun_nio_fs_BsdNativeDispatcher_fstatEntry;
Java_sun_nio_fs_BsdNativeDispatcher_endfsstat;
Java_sun_nio_fs_UnixNativeDispatcher_init;
Java_sun_nio_fs_UnixNativeDispatcher_getcwd;
Java_sun_nio_fs_UnixNativeDispatcher_strerror;
Java_sun_nio_fs_UnixNativeDispatcher_dup;
Java_sun_nio_fs_UnixNativeDispatcher_access0;
Java_sun_nio_fs_UnixNativeDispatcher_stat0;
Java_sun_nio_fs_UnixNativeDispatcher_lstat0;
Java_sun_nio_fs_UnixNativeDispatcher_fstat;
Java_sun_nio_fs_UnixNativeDispatcher_fstatat0;
Java_sun_nio_fs_UnixNativeDispatcher_chmod0;
Java_sun_nio_fs_UnixNativeDispatcher_fchmod;
Java_sun_nio_fs_UnixNativeDispatcher_chown0;
Java_sun_nio_fs_UnixNativeDispatcher_lchown0;
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Glenn Randers-Pehrson
glennrp at users.sourceforge.net
July 7, 2011
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package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     *
     * @return the string representation of the permission.
     */
    public String toString();

}

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 */
package java.security;

/**
 * Abstract class for representing access to a system resource.
 * All permissions have a name (whose interpretation depends on the subclass),
 * as well as abstract functions for defining the semantics of the
 * particular Permission subclass.
 *
 * <p>Most Permission objects also include an "actions" list that tells the actions
 * that are permitted for the object. For example,
 * for a <code>java.io.FilePermission</code> object, the permission name is
 * the pathname of a file (or directory), and the actions list
 * (such as "read, write") specifies which actions are granted for the
 * specified file (or for files in the specified directory).
 * The actions list is optional for Permission objects, such as
 * <code>java.lang.RuntimePermission</code>,
 * that don't need such a list; you either have the named permission (such
 * as "system.exit") or you don't.
 *
 * <p>An important method that must be implemented by each subclass is
 * the <code>implies</code> method to compare Permissions. Basically,
 * "permission p1 implies permission p2" means that
 * if one is granted permission p1, one is naturally granted permission p2.
 * Thus, this is not an equality test, but rather more of a
 * subset test.
 *
 * <p>Permission objects are similar to String objects in that they
 * are immutable once they have been created. Subclasses should not
 * provide methods that can change the state of a permission
 * once it has been created.
 *
 * @see Permissions
 * @see PermissionCollection
 *
 * @author Marianne Mueller
 * @author Roland Schemers
 */
public abstract class Permission implements Guard, java.io.Serializable {

    private static final long serialVersionUID = -5636570222231596674L;

    private String name;

    /**
     * Constructs a permission with the specified name.
     * @param name name of the Permission object being created.
     */
    public Permission(String name) {
        this.name = name;
    }

    /**
     * Implements the guard interface for a permission. The
     * <code>SecurityManager.checkPermission</code> method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *        if a security manager exists and its
     *        <code>checkPermission</code> method doesn't allow access.
     *
     * @see Guard
     * @see GuardedObject
     * @see SecurityManager#checkPermission
     */
    public void checkGuard(Object object) throws SecurityException {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) sm.checkPermission(this);
    }

    /**
     * Checks if the specified permission's actions are "implied by"
     * this object's actions.
     * 
     * This must be implemented by subclasses of Permission, as they are the
     * only ones that can impose semantics on a Permission object.
     */

* The `<code>implies</code>` method is used by the AccessController to determine
* whether or not a requested permission is implied by another permission that
* is known to be valid in the current execution context.
* 
* @param permission the permission to check against.
* 
* @return true if the specified permission is implied by this object,
* false if not.
 */

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <P>
 * Do not use the `<code>equals</code>` method for making access control
 * decisions; use the `<code>implies</code>` method.
 * 
 * @param obj the object we are testing for equality with this object.
 * 
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <P>
 * The required `<code>hashCode</code>` behavior for Permission Objects is
 * the following: <p>
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * `<code>hashCode</code>` method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application. <p>
 * <li>If two Permission objects are equal according to the
 * `<code>equals</code>` method, then calling the `<code>hashCode</code>` method on each of the
 * two Permission objects must produce the same integer result.
 * </ul>
 * 
 * @return a hash code value for this object.
 */

public abstract int hashCode();
public final String getName() {
    return name;
}

public abstract String getActions();

/**
 * Returns the name of this Permission.
 * For example, in the case of a <code>java.io.FilePermission</code>,
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 *
 */

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the <code>getActions</code> method is invoked.
 *
 * @return the actions of this Permission.
 *
 */

/*
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the <code>PermissionCollection.implies</code> method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */
public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: '("ClassName" "name" "actions")', or
 * '("ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */
public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + " " + name + ")";
    } else {
        return "(" + getClass().getName() + " " + name + " " + actions + ")";
    }
}

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#
# Version
#
# Uses Fedora Core 6 fonts and file paths.
version=1
#
# Component Font Mappings

dialog.plain.latin-1=DejaVu LGC Sans
dialog.plain.japanese-x0208=Sazanami Gothic
dialog.plain.korean=Baekmuk Gulim
dialog.plain.chinese-big5=AR PL ShanHeiSun Uni
dialog.plain.chinese-gb18030=AR PL ShanHeiSun Uni
dialog.bold.latin-1=DejaVu LGC Sans Bold
dialog.bold.japanese-x0208=Sazanami Gothic
dialog.bold.korean=Baekmuk Gulim
dialog.bold.chinese-big5=AR PL ShanHeiSun Uni
dialog.bold.chinese-gb18030=AR PL ShanHeiSun Uni
dialoginput.bold,japanese-x0208=Sazanami Gothic
dialoginput.bold.korean=Baekmuk Gulim
dialoginput.bold.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.bold.chinese-gb18030=AR PL ShanHeiSun Uni

dialoginput.italic.latin-1=DejaVu LGC Sans Mono Oblique
dialoginput.italic.japanese-x0208=Sazanami Gothic
dialoginput.italic.korean=Baekmuk Gulim
dialoginput.italic.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.italic.chinese-gb18030=AR PL ShanHeiSun Uni

dialoginput.bolditalic.latin-1=DejaVu LGC Sans Mono Bold Oblique
dialoginput.bolditalic.japanese-x0208=Sazanami Gothic
dialoginput.bolditalic.korean=Baekmuk Gulim
dialoginput.bolditalic.chinese-big5=AR PL ShanHeiSun Uni
dialoginput.bolditalic.chinese-gb18030=AR PL ShanHeiSun Uni

# Search Sequences

sequence.allfonts=latin-1
sequence.allfonts.Big5=chinese-big5,latin-1
sequence.allfonts.x-euc-jp-bsd=japanese-x0208,latin-1
sequence.allfonts.EUC-KR=korean,latin-1
sequence.allfonts.GB18030=chinese-gb18030,latin-1
sequence.fallback=chinese-big5,chinese-gb18030,japanese-x0208,korean

# Font File Names

filename.DejaVu_LGC_Sans=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans.ttf
filename.DejaVu_LGC_Sans_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Bold.ttf
filename.DejaVu_LGC_Sans_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-Oblique.ttf
filename.DejaVu_LGC_Sans_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSans-BoldOblique.ttf
filename.DejaVu_LGC_Sans_Mono=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono.ttf
filename.DejaVu_LGC_Sans_Mono_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Bold.ttf
filename.DejaVu_LGC_Sans_Mono_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-Oblique.ttf
filename.DejaVu_LGC_Sans_Mono_Bold_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSansMono-BoldOblique.ttf
filename.DejaVu_LGC_Serif=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif.ttf
filename.DejaVu_LGC_Serif_Bold=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Bold.ttf
filename.DejaVu_LGC_Serif_Oblique=/usr/share/fonts/dejavu-lgc/DejaVuLGCSerif-Oblique.ttf
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filename.AR_PL_ShанHeиSun_Uni=/usr/share/fonts/chinese/TrueType/uming.ttf
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*/

package java.lang;

import java.io.BufferedInputStream;
import java.io.BufferedOutputStream;
import java.io.ByteArrayInputStream;
import java.io.FileDescriptor;
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.InputStream;
import java.io.OutputStream;
import java.util.Arrays;
import java.util.concurrent.Executors;
import java.util.concurrent.Executor;
import java.util.concurrent.ThreadFactory;
import java.security.AccessController;
import static java.security.AccessController.doPrivileged;
import java.security.PrivilegedAction;
import java.security.PrivilegedExceptionAction;
final class UNIXProcess extends Process {
    private static final sun.misc.JavaIOFileDescriptorAccess fdAccess
        = sun.misc.SharedSecrets.getJavaIOFileDescriptorAccess();
    private final int pid;
    private int exitcode;
    private boolean hasExited;
    private /* final */ OutputStream stdin;
    private /* final */ InputStream stdout;
    private /* final */ InputStream stderr;

    /* this is for the reaping thread */
    private native int waitForProcessExit(int pid);

    /**
     * Create a process using fork(2) and exec(2).
     *
     * @param fds an array of three file descriptors.
     * Indexes 0, 1, and 2 correspond to standard input,
     * standard output and standard error, respectively. On
     * input, a value of -1 means to create a pipe to connect
     * child and parent processes. On output, a value which
     * is not -1 is the parent pipe fd corresponding to the
     * pipe which has been created. An element of this array
     * is -1 on input if and only if it is &lt;em&gt;not&lt;/em&gt; -1 on
     * output.
     * @return the pid of the subprocess
     */
    private native int forkAndExec(byte[] prog,
        byte[] argBlock, int argc,
        byte[] envBlock, int envc,
        byte[] dir,
        int[] fds,
        boolean redirectErrorStream)
        throws IOException;

    /**
     * The thread factory used to create "process reaper" daemon threads.
     */
    private static class ProcessReaperThreadFactory implements ThreadFactory {

private final static ThreadGroup group = getRootThreadGroup();

private static ThreadGroup getRootThreadGroup() {
    return doPrivileged(new PrivilegedAction<ThreadGroup>() {
        public ThreadGroup run() {
            ThreadGroup root = Thread.currentThread().getThreadGroup();
            while (root.getParent() != null)
                root = root.getParent();
            return root;
        }
    });
}

public Thread newThread(Runnable grimReaper) {
    // Our thread stack requirement is quite modest.
    Thread t = new Thread(group, grimReaper, "process reaper", 32768);
    t.setDaemon(true);
    // A small attempt (probably futile) to avoid priority inversion
    t.setPriority(Thread.MAX_PRIORITY);
    return t;
}

/**
 * The thread pool of "process reaper" daemon threads.
 */
private static final Executor processReaperExecutor =
    doPrivileged(new PrivilegedAction<Executor>() {
        public Executor run() {
            return Executors.newCachedThreadPool
                (new ProcessReaperThreadFactory());
        }
    });

UNIXProcess(final byte[] prog,
            final byte[] argBlock, final int argc,
            final byte[] envBlock, final int envc,
            final byte[] dir,
            final int[] fds,
            final boolean redirectErrorStream)
    throws IOException {

    pid = forkAndExec(prog,
                      argBlock, argc,
                      envBlock, envc,
                      dir,
                      fds,
                      redirectErrorStream);

    try {


doPrivileged(new PrivilegedExceptionAction<Void>() {
    public Void run() throws IOException {
        initStreams(fds);
        return null;
    }
})
} catch (PrivilegedActionException ex) {
    throw (IOException) ex.getException();
}

static FileDescriptor newFileDescriptor(int fd) {
    FileDescriptor fileDescriptor = new FileDescriptor();
    fdAccess.set(fileDescriptor, fd);
    return fileDescriptor;
}

void initStreams(int[] fds) throws IOException {
    stdin = (fds[0] == -1) ?
        ProcessBuilder.NullOutputStream.INSTANCE :
        new ProcessPipeOutputStream(fds[0]);

    stdout = (fds[1] == -1) ?
        ProcessBuilder.NullInputStream.INSTANCE :
        new ProcessPipeInputStream(fds[1]);

    stderr = (fds[2] == -1) ?
        ProcessBuilder.NullInputStream.INSTANCE :
        new ProcessPipeInputStream(fds[2]);

    processReaperExecutor.execute(new Runnable() {
        public void run() {
            int exitcode = waitForProcessExit(pid);
            UNIXProcess.this.processExited(exitcode);
        }
    });
}

void processExited(int exitcode) {
    synchronized (this) {
        this.exitcode = exitcode;
        hasExited = true;
        notifyAll();
    }
}

if (stdout instanceof ProcessPipeInputStream)
    ((ProcessPipeInputStream) stdout).processExited();

if (stderr instanceof ProcessPipeInputStream)
    ((ProcessPipeInputStream) stderr).processExited();
if (stdin instanceof ProcessPipeOutputStream)
    ((ProcessPipeOutputStream) stdin).processExited();
}

public OutputStream getOutputStream() {
    return stdin;
}

public InputStream getInputStream() {
    return stdout;
}

public InputStream getErrorStream() {
    return stderr;
}

public synchronized int waitFor() throws InterruptedException {
    while (!hasExited) {
        wait();
    }
    return exitcode;
}

public synchronized int exitValue() {
    if (!hasExited) {
        throw new IllegalThreadStateException("process hasn't exited");
    }
    return exitcode;
}

private static native void destroyProcess(int pid);
public void destroy() {
    // There is a risk that pid will be recycled, causing us to
    // kill the wrong process! So we only terminate processes
    // that appear to still be running. Even with this check,
    // there is an unavoidable race condition here, but the window
    // is very small, and OSes try hard to not recycle pids too
    // soon, so this is quite safe.
    synchronized (this) {
        if (!hasExited)
            destroyProcess(pid);
    }
    try { stdin.close(); } catch (IOException ignored) {}
    try { stdout.close(); } catch (IOException ignored) {}
    try { stderr.close(); } catch (IOException ignored) {}
}
private static native void initIDs();

static {
    initIDs();
}

/**
 * A buffered input stream for a subprocess pipe file descriptor
 * that allows the underlying file descriptor to be reclaimed when
 * the process exits, via the processExited hook.
 *
 * This is tricky because we do not want the user-level InputStream to be
 * closed until the user invokes close(), and we need to continue to be
 * able to read any buffered data lingering in the OS pipe buffer.
 */
static class ProcessPipeInputStream extends BufferedInputStream {
    ProcessPipeInputStream(int fd) {
        super(new FileInputStream(newFileDescriptor(fd)));
    }
}

private static byte[] drainInputStream(InputStream in)
    throws IOException {
    if (in == null) return null;
    int n = 0;
    int j;
    byte[] a = null;
    while ((j = in.available()) > 0) {
        a = (a == null) ? new byte[j] : Arrays.copyOf(a, n + j);
        n += in.read(a, n, j);
    }
    return (a == null || n == a.length) ? a : Arrays.copyOf(a, n);
}

/** Called by the process reaper thread when the process exits. */
synchronized void processExited() {
    // Most BufferedInputStream methods are synchronized, but close()
    // is not, and so we have to handle concurrent racing close().
    try {
        InputStream in = this.in;
        if (in != null) {
            byte[] stragglers = drainInputStream(in);
            in.close();
            this.in = (stragglers == null) ? ProcessBuilder.NullInputStream.INSTANCE :
                new ByteArrayInputStream(stragglers);
            if (buf == null) // asynchronous close()
                this.in = null;
        } else {
            // ProcessBuilder.NullInputStream.INSTANCE otherwise cannot close()
            in.close();
            this.in = null;
        }
    }
}
static class ProcessPipeOutputStream extends BufferedReader {
    ProcessPipeOutputStream(int fd) {
        super(new FileOutputStream(newFileDescriptor(fd)));
    }
}

/**
 * Called by the process reaper thread when the process exits. */
synchronized void processExited() {
    OutputStream out = this.out;
    if (out != null) {
        try {
            out.close();
        } catch (IOException ignored) {
            // We know of no reason to get an IOException, but if
            // we do, there's nothing else to do but carry on.
        }
        this.out = ProcessBuilder.NullOutputStream.INSTANCE;
    }
}

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# accompanied this code).
# Definitions for Bsd.

# Default for COMPILER_WARNINGS_FATAL on Bsd (C & C++ compiler warnings)
ifndef COMPILER_WARNINGS_FATAL
    COMPILER_WARNINGS_FATAL = false
endif

# Bsd should use parallel compilation for best build times
ifndef COMPILE_APPROACH
    COMPILE_APPROACH = parallel
endif

# Indication that we are doing an incremental build.
#    This may trigger the creation of make depend files.
ifndef INCREMENTAL_BUILD
    INCREMENTAL_BUILD = false
endif

# FullPath just makes sure it never ends with a / and no duplicates
define FullPath
$(shell cd $1 2> $(DEV_NULL) && pwd)
endef

# OptFullPath: Absolute path name of a dir that might not initially exist.
define OptFullPath
$(shell if [ "$1" != "" -a -d "$1" ]; then (cd $1 && pwd); else echo "$1"; fi)
endef

# Location on system where jdk installs might be
USRJDKINSTANCES_PATH =$(PACKAGE_PATH)

# UNIXCOMMAND_PATH: path to where the most common Unix commands are.
#    NOTE: Must end with / so that it could be empty, allowing PATH usage.
ifndef ALT_UNIXCOMMAND_PATH
    ALT_UNIXCOMMAND_PATH := undefined
endif
UNIXCOMMAND_PATH :=$(call PrefixPath,$(ALT_UNIXCOMMAND_PATH))
else
    UNIXCOMMAND_PATH = /bin/
endif
ifndef "$(origin ALT_USRBIN_PATH)" "undefined"
USRBIN_PATH := $(call PrefixPath,$(ALT_USRBIN_PATH))
else
USRBIN_PATH = /usr/bin/
endif

# UNIXCCS_PATH: path to where the Solaris ported UNIX commands can be found
# NOTE: Must end with / so that it could be empty, allowing PATH usage.
ifndef "$(origin ALT_UNIXCCS_PATH)" "undefined"
UNIXCCS_PATH := $(call PrefixPath,$(ALT_UNIXCCS_PATH))
else
UNIXCCS_PATH = /usr/ccs/bin/
endif

# SLASH_JAVA: location of all network accessible files
ifndef ALT_SLASH_JAVA
SLASH_JAVA := $(ALT_SLASH_JAVA)
else
SLASH_JAVA := $(call DirExists,/java,/java,/NOT-SET)
endif

# JDK_DEVTOOLS_DIR: common path for all the java devtools
ifndef ALT_JDK_DEVTOOLS_DIR
JDK_DEVTOOLS_DIR = $(SLASH_JAVA)/devtools
else
JDK_DEVTOOLS_DIR = $(ALT_JDK_DEVTOOLS_DIR)
endif

# DEVTOOLS_PATH: for other tools required for building (such as zip, etc.)
# NOTE: Must end with / so that it could be empty, allowing PATH usage.
ifndef "$(origin ALT_DEVTOOLS_PATH)" "undefined"
DEVTOOLS_PATH := $(call PrefixPath,$(ALT_DEVTOOLS_PATH))
else
DEVTOOLS_PATH := $(PACKAGE_PATH)/bin/
endif

# _BOOTDIR1: First choice for a Bootstrap JDK, previous released JDK.
# _BOOTDIR2: Second choice
ifndef ALT_BOOTDIR
_BOOTDIR1 = $(SLASH_JAVA)/jdk/$(PREVIOUS_JDK_VERSION)/archive/fcs/binaries/$(PLATFORM)-$ARCH
_BOOTDIR2 = $(USRJDKINSTANCES_PATH)/jdk$(PREVIOUS_JDK_VERSION)
endif
# Import JDK images allow for partial builds, components not built are imported (or copied from) these import areas when needed.

# BUILD_JDK_IMPORT_PATH: location of JDK install trees to import for multiple platforms, e.g. windows-i586, solaris-sparc, bsd-586, etc.
ifdef ALT_BUILD_JDK_IMPORT_PATH
    BUILD_JDK_IMPORT_PATH :=$(call FullPath,$(ALT_BUILD_JDK_IMPORT_PATH))
else
    BUILD_JDK_IMPORT_PATH = $(PROMOTED_BUILD_BINARIES)
endif
BUILD_JDK_IMPORT_PATH:=$(call AltCheckValue,BUILD_JDK_IMPORT_PATH)

# JDK_IMPORT_PATH: location of JDK install tree (this version) to import
ifdef ALT_JDK_IMPORT_PATH
    JDK_IMPORT_PATH :=$(call FullPath,$(ALT_JDK_IMPORT_PATH))
else
    JDK_IMPORT_PATH = $(BUILD_JDK_IMPORT_PATH)/$(PLATFORM)-$(ARCH)_$(JDK_IMPORT_VARIANT)
endif
JDK_IMPORT_PATH:=$(call AltCheckValue,JDK_IMPORT_PATH)

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#
# Makefile to specify compiler flags for programs and libraries targeted to BSD. Should not contain any rules.
# Warning: the following variables are overridden by Defs.gmk. Set
# values will be silently ignored:
# CFARGS          (set $(OTHER_CFLAGS) instead)
# CPPFLAGS        (set $(OTHER_CPPFLAGS) instead)
# CXXFLAGS        (set $(OTHER_CXXFLAGS) instead)
# LDFFLAGS         (set $(OTHER_LDFAGS) instead)
# LDFLAGS          (set $(EXTRA_LIBS) instead)
# LDLIBS           (set $(EXTRA_LIBS) instead)
# LDLIBS_COMMON    (set $(EXTRA_LIBS) instead)

Get shared JDK settings
include $(BUILDDIR)/common/shared/Defs.gmk

ifdef PLATFORM_SRC
PLATFORM_SRC = $(TOPDIR)/src/solaris
endif # PLATFORM_SRC

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
   "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=us-ascii" />
<title>W3C IPR SOFTWARE NOTICE</title>
<style type="text/css">
<!--
html, body { background: #fff; color: #000; } /* body for Windows IE3 */
-->
</style>
</head>
<body>
<h1>
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<h3>
</h3>
<p>
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<one line to give the program's name and a brief idea of what it does.>
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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.

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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.

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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That's all there is to it!

1.131 java_cup_script 0.10k :5.el6

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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 distributer'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.

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1.138 jersey-core-common 2.5.1

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1.143 jline 0.9.94 :0.8.el6

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1.144 jpackage-utils 1.7.5 :3.12.el6

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for the or51211 and or51132 frontend drivers, and
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single nxt200x frontend driver.

(If you think you should be in this list, but you are not, drop a
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Version 1.0

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
* 
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
* http://www.hypermall.com/
* 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
interrupts us (except possibly for removal/insertion of the cable?)
* 10/4/97 - began heavy inline documentation of the code. Corrected typos
* and spelling mistakes.
* 10/5/97 - added code to handle PHY interrupts, disable PHY on
* loss of link, and correctly re-enable PHY when link is
* re-established. (put back CFG_PHYIE)
*
* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
* combined, allow nicstar_free_rx_skb to be called to
* recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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1.149 keyutils 1.4 :4.el6
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Version 2.1, February 1999

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany
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If 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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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
and the initial implementation of incremental propagation, including the following new or changed files:

@smallexample
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c
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lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
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lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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1.158 libdrm 2.4.45 :2.el6

1.158.1 Available under license :

/* xf86drmHash.c -- Small hash table support for integer -> integer mapping
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 *
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 *
 * Authors: Rickard E. (Rik) Faith <faith@valinux.com>

1.159 libedit 2.11 :4.20080712cvs.1.el6
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# Please send patches to <config-patches@gnu.org>. Submit a context
# diff and a properly formatted ChangeLog entry.
#
# Configuration subroutine to validate and canonicalize a configuration type.
# Supply the specified configuration type as an argument.
# If it is invalid, we print an error message on stderr and exit with code 1.
# Otherwise, we print the canonical config type on stdout and succeed.

# This file is supposed to be the same for all GNU packages
# and recognize all the CPU types, system types and aliases
# that are meaningful with *any* GNU software.
# Each package is responsible for reporting which valid configurations
# it does not support. The user should be able to distinguish
# a failure to support a valid configuration from a meaningless
# configuration.
#
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 */

1.160 libevent 1.4.13 :4.el6

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# 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’.)])

# 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_ifdef([AC_PROVIDE_IFELSE],
    [],
    [m4_define([AC_PROVIDE_IFELSE],
        [m4_ifdef([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 ])])
dnl 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 ])])

dnl Quote A][M_PROG_GCJ so that aclocal doesn't bring it in needlessly.
dnl If either AC_PROG_GCJ or A][M_PROG_GCJ have already been expanded, run
dnl 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],
   [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])]
AC_BEFORE([[$0], [AC_LIBTOOL_CXX]])
AC_BEFORE([[$0], [AC_LIBTOOL_F77]])
AC_BEFORE([[$0], [AC_LIBTOOL_GCJ]])

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

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

# Prevent multiple expansion
define([AC_PROG_LIBTOOL], [])
J# _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])

AC_LIBTOOL_SYS_MAX_CMD_LEN
AC_LIBTOOL_SYS_GLOBAL_SYMBOL_PIPE
AC_LIBTOOL_OBJDIR

# 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_OBJDIR

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

# 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"

# Global variables:
default_ofile=libtool
can_build_shared=yes

# 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 "$AR" && AR=ar
test -z "SAR_FLAGS" && AR_FLAGS=cru
test -z "$AS" && AS=as
test -z "$CC" && CC=cc
test -z "$LTCC" && LTCC=$CC
test -z "$LTCCFLAGS" && LTCCFLAGS=$CFLAGS
test -z "$DLLTOOL" && DLLTOOL=dlltool
test -z "$LD" && LD=ld
test -z "$SLN_S" && LN_S="ln -s"
test -z "$SMAGIC_CMD" && MAGIC_CMD=file
test -z "$NM" && NM=nm
test -z "$SED" && SED=sed
test -z "$SOBJDUMP" && OBJDUMP=objdump
test -z "$SRANLIB" && RANLIB=:
test -z "$STRIP" && STRIP=:
test -z "$Sac_objext" && ac_objext=o

# 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 $host_os in
  openbsd*)
    old_postinstall_cmds="old_postinstall_cmds="$old_arch
    ::
    *)
    old_postinstall_cmds="old_postinstall_cmds="$old_arch
    ::
    esac
esac

old_archive_cmds='old_archive_cmds="$old_arch'

fi

_LT_CC_BASENAME([$compiler])

# Only perform the check for file, if the check method requires it
if test "$file_magic_cmd" = '$MAGIC_CMD'; then
    AC_PATH_MAGIC
fi

_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_SETUP

# _LT_AC_SYS_COMPILER
# -------------------
AC_DEFUN([_LT_AC_SYS_COMPILER],
   [AC_REQUIRE([AC_PROG_CC])dnl

# 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
)# _LT_AC_SYS_COMPILER

# _LT_CC_BASENAME(CC)
# -------------------
# Calculate cc_basename.  Skip known compiler wrappers and cross-prefix.
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
c

c_c_basename='$echo "X$cc_temp" | $Xsed -e ’s%.*/%%’ -e ”s^$host_alias-%%”'

)# _LT_COMPILER_BOILERPLATE
#
# Check for compiler boilerplate output or warnings with
# the simple compiler test code.
AC_DEFUN([_LT_COMPILER_BOILERPLATE],
[AC_REQUIRE([LT_AC_PROG_SED])dnl
ac_outfile=conftest.$ac_objext
echo "$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*
])# _LT_COMPILER_BOILERPLATE

)# _LT_LINKER_BOILERPLATE
#
# Check for linker boilerplate output or warnings with
# the simple linker 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], [:])

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
SLTCC SLTCCFLAGS SLDFLAGS -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 $host_os in
   rhapsody* | darwin1.[0123])
      _lt_dar_allow_undefined='$(wl)-undefined $(wl)supply';
      darwin1.*)
      _lt_dar_allow_undefined='$(wl)-flat_namespace $(wl)-undefined $(wl)supply' ;
      darwin*)
      # if running on 10.5 or later, the deployment target defaults
      # to the OS version, if on x86, and 10.4, the deployment
      # target defaults to 10.4. Don't you love it?
      case ${MACOSX_DEPLOYMENT_TARGET-10.0},$host in
         10.0,*86*-darwin8*|10.0,*-darwin91*10.0,.[0123])
            _lt_dar_allow_undefined='$(wl)-undefined $(wl)dynamic_lookup' ;
            10.0,[[0123]])
            _lt_dar_allow_undefined='$(wl)-flat_namespace $(wl)-undefined $(wl)supply' ;
            10.*)
            _lt_dar_allow_undefined='$(wl)-undefined $(wl)dynamic_lookup' ;
            esac
      esac
      # if test "$lt_cv_apple_cc_single_mod" = "yes"; then
      _lt_dar_single_mod='$single_module'
      fi
      if test "$lt_cv ld_exported_symbols_list" = "yes"; then
         _lt_dar_export_syms="$(wl)-exported_symbols_list,$output_objdir/$libname-symbols.exp
      else
         _lt_dar_export_syms="~$NMEDIT -s "$output_objdir/$libname-symbols.exp" "$lib"
      fi
      if test "$DSYMUTIL" != ":"; then

 lt_dsymutil=""$DSYMUTIL \$lib \":")
else
   lt_dsymutil=
fi
::
esac
)

# _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/ {
   s/^0  *\([^]*\)$\s\s/\1/
   p
   }
   "]
   aix_libpath='dump -H conftest$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_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,\\[$\],"'
      ::
      esac

      echo=${ECHO-echo}
      if test "X$[1]" = X--no-reexec; then
        # Discard the --no-reexec flag, and continue.
        shift
      elif test "X$[1]" = X--fallback-echo; then
        # Avoid inline document here, it may be left over
        :
      else
        # Restart under the correct shell.
        exec $SHELL "[$0] --no-reexec "$[1]+"[$@]"
      fi

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

      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 "$0"' 'sed 20q "$0"' 'sed 10q "$0"' 'sed 2q "$0"' '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

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.

  lt_save_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 SCONFIG_SHELL "[$]0" --no-reexec $(1+"[$]@")
    else
      #
    fi
  fi
fi

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 "$echo_test_string") 2>/dev/null" &&
test "X$echo_testing_string" = "X$echo_test_string"; then
    CONFIG_SHELL=$ORIGINAL_CONFIG_SHELL
    export CONFIG_SHELL
    SHELL="$CONFIG_SHELL"
    export SHELL
    echo="$CONFIG_SHELL "$echo_test_string"
    elif echo_testing_string="($CONFIG_SHELL "$echo_test_string") 2>/dev/null" &&
test "X$echo_testing_string" = "X$echo_test_string"; then
      echo="$CONFIG_SHELL "$echo_test_string"
    else
      # maybe with a smaller string...
      prev=:
      for cmd in 'echo test' 'sed 2q "$cmd"' 'sed 10q "$cmd"' 'sed 20q "$cmd"' 'sed 50q "$cmd"'; do
        if (test "X$echo_test_string" = "X'eval $cmd'" 2>/dev/null)
          break
        fi
        prev=$cmd
      done
      if test "$prev" != 'sed 50q "$cmd"'; then
        echo_test_string='eval $prev'
        export echo_test_string
        exec $(ORIGINAL_CONFIG_SHELL-$[CONFIG_SHELL=/bin/sh]) "$cmd"
      else
        # Oops. We lost completely, so just stick with echo.
        echo=echo
      fi
    fi
  fi
fi
fi
fi
fi
# Copy echo and quote the copy suitably for passing to libtool from # the Makefile, instead of quoting the original, which is used later.
ECHO=$echo
if test "X$ECHO" = "X$CONFIG_SHELL [${$}]0 --fallback-echo"; then
  ECHO="$CONFIG_SHELL \${$}0 --fallback-echo"
fi

AC_SUBST(ECHO)

# __LT_AC_PROG_ECHO_BACKSLASH

#__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} -melf32bmi32n32"
        esac
      fi
    esac
  esac
  esac
)
LD=""
case $host in
x86_64-*kfreebsd*-gnu)
  LD="${LD-ld} -m elf_x86_64_fbsd"
;;
x86_64-*linux*)
  LD="${LD-ld} -m elf_x86_64"
;;
ppc*.-*linux*|powerpc*.-*linux*)
  LD="${LD-ld} -m elf64ppc"
;;
s390*.-*linux*)
  LD="${LD-ld} -m elf64_s390"
;;
sparc*.-*linux*)
  LD="${LD-ld} -m elf64_sparc"
;;
esac
esac
fi
rm -rf conftest*
;;

*.-*-sco3.2v5*)
  # 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
    ;;
  sparcs.*-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 ${LD-ld} -64 -r -o conftest2.o conftest.o >/dev/null 2>&1; then
            LD="${LD-ld} -64"
            fi
            ;;
          esac
        esac
      esac
    esac
  esac
  esac
fi
esac

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)

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" | $SED \n     -e's:.*FLAGS\{0,1\}:&$lt_compiler_flag :\t' \n     -e's: [^ ]*conftest\. : $lt_compiler_flag&:\t' \n     -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" | $Xsed -e '/^$/d' >conftest.exp
$SED '/^$/d; /^ *+/d' conftest.err >conftest.er2
if test ! -s conftest.er2 || diff conftest.exp conftest.er2 >/dev/null; then
    $2=yes
fi
fi
$rm conftest*
}

if test x"[$$][$$]$$2" = xyes; then
    ifelse([$$5], , :, [$$5])
else
    ifelse([$$6], , :, [$$6])
fi
)

)#{ AC_LIBTOOL_COMPILER_OPTION

# AC_LIBTOOL_LINKER_OPTION(MESSAGE, VARIABLE-NAME, FLAGS,
#                          [ACTION-SUCCESS], [ACTION-FAILURE])
# ------------------------------------------------------------
# Check whether the given compiler option works
AC_DEFUN([AC_LIBTOOL_LINKER_OPTION],
[AC_REQUIRE([LT_AC_PROG_SED]dnl
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.
      lt_cv_sys_max_cmd_len=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 line length 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* | freebsd* | 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 \ div 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)
lv_cv_sys_max_cmd_len=196608
::

osf*)
# 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 lets avoid the loop below.
# First set a reasonable default.
lv_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*)
lv_cv_sys_max_cmd_len=102400
::
sysv5* | sco5v6* | sysv4.2uw2*)
kargmax='grep ARG_MAX /etc/conf/cf.d/stune 2>/dev/null'
if test -n "$kargmax"; then
    lt_cv_sys_max_cmd_len='echo $kargmax | sed \'s /[ ]/\0/\''
else
    lt_cv_sys_max_cmd_len=32768
fi
::
*)
lv_cv_sys_max_cmd_len='(getconf ARG_MAX) 2> /dev/null'
if test -n "$lt_cv_sys_max_cmd_len"; then
  lt_cv_sys_max_cmd_len='expr $lt_cv_sys_max_cmd_len \* 3'
else
  SHELL=${SHELL-/${CONFIG_SHELL-/bin/sh}}
  while (test "X""$SHELL [$]0 --fallback-echo "X$teststring" 2>/dev/null \n    = "XX$teststring") >/dev/null 2>&1 &&
    new_result='expr "X$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
teststring=
# 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.
lterror=
  lt_cv_sys_max_cmd_len='expr $lt_cv_sys_max_cmd_len \/ 2'
fi
::
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_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"

#if HAVE_DLFCN_H
#include <dlfcn.h>
#endif
#include <stdio.h>

#ifdef RTLD_GLOBAL
  #define LT_DLGLOBAL	RTLD_GLOBAL
#else
  #ifdef DL_GLOBAL
    #define LT_DLGLOBAL	DL_GLOBAL
  #else
    #define LT_DLGLOBAL	0
  #endif
#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
#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_dlnoscore;
    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$[ac_exeext] 2>/dev/null; then
    ./conftest; exit; ) >&AS_MESSAGE_LOG_FD 2>/dev/null
    lt_status=$?
    case x$lt_status in
        x$lt_dlnoscore) $1 ;;
        x$lt dlneed_uscore) $2 ;;
        x$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"
            esac
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
    )
    ;;
    *)
    AC_CHECK_FUNC([shl_load],
        [lt_cv_dlopen="shl_load"],
        [AC_CHECK_LIB([dld], [shl_load],
         [lt_cv_dlopen="shl_load" lt_cv_dlopen_libs="-ldld"],
         [AC_CHECK_FUNC([dlopen],
            [lt_cv_dlopen="dlopen"],
            [AC_CHECK_LIB([dld], [dlopen],
                [lt_cv_dlopen="dlopen" lt_cv_dlopen_libs="-ldl"],
                [AC_CHECK_LIB([svld], [dlopen],
                    [lt_cv_dlopen="dlopen" lt_cv_dlopen_libs="-lsvld"],
                    [AC_CHECK_LIB([dld], [dld_link],
                        [lt_cv_dlopen="dld_link" lt_cv_dlopen_libs="-ldld"]
                        )]
                    )]
                )]
            )]
         )]
     )
    ;;
esac

if test "x$lt_cv_dlopen" != xno; then
    enable_dlopen=yes
else

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enable_dlopen=no
fi

case $lt_cv_dlopen in
dlopen)
  save_CPPFLAGS="$CPPFLAGS"
  test "x$sac_cv_header_dllfcn_h" = xyes && CPPFLAGS="$CPPFLAGS -DHAVE_DLLFCN_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$slt_cv_dlopen_self" = xyes; then
    wl=$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
)

#endif 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])]
[AC_REQUIRE([_LT_AC_SYS_COMPILER])]
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 $ac_compile itself does not contain backslashes and begins
# with a dollar sign (not a hyphen), so the echo should work correctly.
lrt_compile="$ac_compile" | $SED \n- e '.*FLAGS}\{0,1\} :&$lt_compiler_flag ; ' \
- e ' $ac_compile\: $lt_compiler_flag\&; ' \
- e ': $lt_compiler_flag:'
(eval echo "\"$as_me:__oline__: $lt_compile\"" >AS_MESSAGE_LOG_FD)
(eval "$lt_compile" 2>out/conftest.err)
ac_status=$?
cat out/conftest.err >&AS_MESSAGE_LOG_FD
echo "$as_me:__oline__: $? = $ac_status" >&AS_MESSAGE_LOG_FD
if (exit $ac_status) && test -s out/conftest2.$ac_object
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 's\$/\$d\'/^d\' > out/conftest.exp
$SED /^$/d; /^ +$/d' out/conftest.err > out/conftest.err2
if test ! -s out/conftest.err2 || diff out/conftest.exp out/conftest.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 conftest
# 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 ..
rm
dir
conftest
$rm conftest*
)
)
)# 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])]

hard_links="not tested"
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
  $rm conftest*
  ln conftest.a conftest.b 2>/dev/null && hard_links=no
  touch conftest.a
  ln conftest.a conftest.b 2>&5 || hard_links=no
  ln conftest.a conftest.b 2>/dev/null && hard_links=no
  AC_MSG_RESULT([hard_links])
  if test "$hard_links" = no; then
    AC_MSG_WARN(["$CC" does not support '-c -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],
[rmdir .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])
objdir=$lt_cv_objdir
)# 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, $1)])
else
if test "$_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_PROG_LD_HARDCODE_LIBPATH

# 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_LIBTOOL_SYS_LIB_STRIP

# AC_LIBTOOL_SYS_DYNAMIC_LINKER
# -----------------------------
# PORTME Fill in your ld.so characteristics
AC_DEFUN([AC_LIBTOOL_SYS_DYNAMIC_LINKER],
  [AC_REQUIRE([LT_AC_PROG_SED])dnl
  AC_MSG_CHECKING([dynamic linker characteristics])
  library_names_spec=
  libname_spec='lib$name'
  soname_spec=
  shrext_cmds=".so"
  postinstall_cmds=
  postuninstall_cmds=
  finish_cmds=
  finish_eval=
  shlibpath_var=
  shlibpath_overrides_runpath=unknown
  version_type=none
  dynamic_linker="$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 "$lt_search_path_spec" | grep ':' > /dev/null ; then
# if the path contains ":" then we assume it to be the separator
# otherwise default to the standard path separator (i.e. ":") - it is
# assumed that no part of a normal pathname contains ":" but that should
# okay in the real world where ":" in dirpaths is itself problematic.
ltno_search_path_spec='echo "$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.
ltmp lt_search_path spec=
l_multi_os_dir='$CC $CPPFLAGS $CFLAGS $LDFLAGS -print-multi-os-directory 2>/dev/null'
for l_sys_path in $lt_search_path_spec; do
  if test -d "$l_sys_path/$lt_multi_os_dir"; then
    ltmp lt_search_path_spec="$ltmp lt_search_path_spec $l_sys_path/$lt_multi_os_dir"
  else
    test -d "$l_sys_path" & & 
    ltmp lt_search_path_spec="$ltmp lt_search_path_spec $l_sys_path"
  fi
done
lt_search_path_spec='echo $ltmp lt_search_path_spec | awk ''
BEGIN {RS=" "; FS="/|\n"} {
  lt_\_foo="";
  lt_\_count=0;
  for (lt_\_i = NF; lt_\_i > 0; lt_\_i--) {
    if ($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} $libname.a'
    shlibpath_var=LIBPATH
    # AIX 3 has no versioning support, so we append a major version to the name.
    soname_spec='${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'; } | ${CC} -E - | grep yes > /dev/null; then
            : ;
          else
            can_build_shared=no
          fi
        ;;
        esac
      # AIX (on Power*) has no versioning support, so currently we can not hardcode correct
      # soname into executable. Probably we can add versioning support to
      # collect2, so additional links can be useful in future.
      if test "$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}.ixlibrary $libname.a'
  # Create ${libname}_ixlibrary.a entries in /sys/libs.
  finish_eval='for lib in "ls $libdir/*.ixlibrary 2>/dev/null" do libname="echo "$X$lib" | $Xsed -e "s%^[/]*%/\1%v""; test $rm /sys/libs/${libname}_ixlibrary.a; $show "cd /sys/libs && $LN_S $lib ${libname}_ixlibrary.a"; cd /sys/libs && $LN_S $lib ${libname}_ixlibrary.a || exit 1; done'
  ::: 
beos*)
  library_names_spec=${libname}${shared_ext}'
  dynamic_linker="$host_os ld.so"
  shlibpath_var=LIBRARY_PATH
  ::
::
bsdi[[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 '". $dir/'"\${base_file}'~
dldir=$destdir/'dirname $dlpath'~
test -d $dldir || mkdir -p $dldir~
install_prog $dir/$sdlname $dldir/$sdlname~
chmod a+x $dldir/sdlname'
postuninstall_cmds='dldll='$SHELL 2>&1 -c '". $file; echo $sdlname'~
dlpath=$dir/$sdlldll~
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\}'
sys_lib_search_path_spec="/usr/lib /lib/w32api /lib /usr/local/lib"
::

mingw*)
# MinGW DLLs use traditional 'lib' prefix
soname_spec='echo ${libname} | echo ${release} | $SED -e 's/[.]/-/g"$\{versuffix\}$\{shared_ext\}'
sys_lib_search_path_spec="lib -print-search-dirs | grep "^libraries:" | $SED -e "s/\ libraries://" -e "s,=/,/,g""
if echo "$sys_lib_search_path_spec" | grep -c [a-zA-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/\S/\S\PATH_SEPARATOR/ /g"
fi
::
pw32*)
# pw32 DLLs use 'pw' prefix rather than 'lib'
library_names_spec='echo ${libname} | sed -e 's/\^lib/pw/"echo ${release} | $SED -e 's/[.]/-/g"$\{versuffix\}$\{shared_ext\}'
::

esac
::
*)
  library_names_spec=${libname} echo ${release} | $SED -e 's/[.]/-/g' ${versuffix} ${shared_ext} ${libname}.lib'
  ;;
  esac
dynamic_linker=\"Win32 ld.exe\"
# FIXME: first we should search . and the directory the executable is in
shlibpath_var=PATH
;
;
darwin* | rhapsody*)
dynamic_linker="\$host_os dyld"
version_type=darwin
need_lib_prefix=no
need_version=no
library_names_spec=${libname}${release}${versuffix}${shared_ext} ${libname}${release}${major}${shared_ext} ${libname}${shared_ext}'
soname_spec=${libname}${release}${major}${shared_ext}'
shlibpath_var=DYLD_LIBRARY_PATH
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")
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 ;;
  fi
  ;
esac
fi

version_type=freebsd-$objformat

case $version_type in
  freebsd-elf*)
    library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}
$libname$[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
  ;;
  freebsd.[01]* | freebsdelf.[01]*
    shlibpath_overrides_runpath=yes
    hardcode_into_libs=yes
  ;;
  freebsd.[2-9]* | freebsdelf.[2-9]* | \ 
  freebsd4.[0-5] | freebsdelf4.[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
    soname_spec=${libname}${release}${shared_ext}$major
    if test "XSHPUPX_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_dlsearch_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
    soname_spec=${libname}${release}${shared_ext}$major
    sys_lib_search_path_spec="/usr/lib/pa20_64 /usr/ccs/lib/pa20_64"
    sys_lib_dlsearch_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
    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*)
  libsuff= shlibsuff=
  ;;
  *)
case $LD in # libtool.m4 will add one of these switches to LD
  *-32|*-32 "'-melf32bsmip"'-melf32bsmip")
  libsuff= shlibsuff= libmagic=32-bit;;
  *-n32|*'=-n32 "'-melf32mipn32"'-melf32mipn32")
  libsuff=32 shlibsuff=N32 libmagic=N32;;
  *-64|'*=-64 "'-melf64bmip"'-melf64bmip")
  libsuff=64 shlibsuff=64 libmagic=64-bit;;
  *)
  libsuff= shlibsuff= libmagic=never-match;;
esac
;;
esac
shlibpath_var=LD\_LIBRARY$\{shlibsuff\}\_PATH
shlibpath_overrides_runpath=no
sys\_lib\_search\_path\_spec="/usr\/lib$\{shlibsuff\} /lib$\{shlibsuff\} /usr/local\/lib$\{shlibsuff\}" sys\_lib\_dl\_search\_path\_spec="/usr\/lib$\{shlibsuff\} /lib$\{shlibsuff\}"
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}${shared_ext}${versuffix ${libname}${shared_ext}${major
finish_cmds='PATH="/sbin/ldconfig -m $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
  let 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/g' -e 's/=/\t/g' -e 's/^[ 	]*\t/\n/g' | \tr \n'
  sys_lib_dlsearch_path_spec="/lib /usr/lib $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="/sbin/ldconfig -m $libdir"'}
dynamic_linker='NetBSD (a.out) ld.so'
else
  library_names_spec='${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

newsos6)
  version_type=linux
  library_names_spec='${libname}${release}${shared_ext}$versuffix ${libname}${release}${shared_ext}$major
  $libname${shared_ext}'
  shlibpath_var=LD_LIBRARY_PATH
  shlibpath_overrides_runpath=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] | openbsd2.[89].*)
    shlibpath_overrides_runpath=no
    ;;
    openbsd2.[89] | openbsd2.[89].*)
  shlibpath_overrides_runpath=no
  ;;
shlibpath_overrides_runpath=yes

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=osf
   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
   $libname${shared_ext}"
   shlibpath_var=LIBRARY_PATH
   sys_lib_search_path_spec="/usr/shlib /usr/ccs/lib /usr/lib/cmplrs/cc /usr/lib /usr/local/lib /var/shlib"
   sys_lib_dlsearch_path_spec="$sys_lib_search_path_spec"

rdos*)
   dynamic_linker=no

solaris*)
   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=LIBRARY_PATH
   shlibpath_overrides_runpath=yes
   hardcode_into_libs=yes
   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 ${libname}${release}${shared_ext}${shared_ext}$major
  $libname${shared_ext}'
  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}${shared_ext}$
$libname${shared_ext}"
soname_spec="${libname}${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_dlsearch_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" = 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])

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# Update the list of available tags.
if test -n "Stagename"; then
    echo appending configuration tag \"Stagename\" to $ofile

    case $Stagename in
        CXX)
            if test -n "$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$F77" != "Xno"; then
                AC_LIBTOOL_LANG_F77_CONFIG
            else
                tagname=""
            fi
        ;;
        GCJ)
            if test -n "$GCJ" && test "X$GCJ" != "Xno"; then
                AC_LIBTOOL_LANG_GCJ_CONFIG
            else
                tagname=""
            fi
        ;;
        RC)
            AC_LIBTOOL_LANG_RC_CONFIG
        ;;
        *)
            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 /^available_tags=.*/$available_tags="$available_tags/" "$ofile" > "$ofile""; then
  mv "$ofile" "$ofile".T
  chmod +x "$ofile"
else
  rm -f "$ofile".T
  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_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 $enableval in
  yes) enable_shared=yes ;;
  no) enable_shared=no ;;
  *)
  enable_shared=no
# Look at the argument we got.  We use all the common list separators.
lt_save_ifs="$IFS"; IFS="$IFS"$PATH_SEPARATOR,"
for pkg in $enableval; do
IFS="$lt_save_ifs"
if test "X$pkg" = "X$p"; then
  enable_shared=yes
fi
done
IFS="$lt_save_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 $enableval in
  yes) enable_static=yes ;
  no) enable_static=no ;
  *)
    enable_static=no
    # Look at the argument we got. We use all the common list separators.
    lt_save_ifs="$IFS"; IFS="$IFS$PATH_SEPARATOR,"
    for pkg in $enableval; do
      IFS="$lt_save_ifs"
      if test "X$pkg" = "X$p"; then
        enable_static=yes
      fi
      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([S0],[AC_LIBTOOL_SETUP])]
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($1, no, no, yes))]
AC_ARG_ENABLE([fast-install],
[AC_HELP_STRING([--enable-fast-install@<:@=PKGS@:>@],
optimize for fast installation @<:@default=@:>@)],
[p=${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([S0],[AC_LIBTOOL_SETUP])]
AC_ENABLE_FAST_INSTALL(no)
# 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([S0],[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'
   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,
[cas e $MAGIC_CMD in
[\W*] | *[\W]*)
l t_cv_path_MAGIC_CMD="$MAGIC_CMD" # Let the user override the test with a path.
::
*)
l t_save_MAGIC_CMD="$MAGIC_CMD"
l t_save_ifs="SIFS"; IFS=$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 |
                    $EGREP "$file_magic_regex" > /dev/null; then
                    :
                else
                    cat <<EOF 1>&2
                    *** Warning: the command libtool uses to detect shared libraries,
                    *** $file_magic_cmd, produces output that libtool cannot recognize.
                    *** The result is that libtool may fail to recognize shared libraries
                    *** as such. This will affect the creation of libtool libraries that
                    *** depend on shared libraries, but programs linked with such libtool
                    *** libraries will work regardless of this problem. Nevertheless, you
                    *** may want to report the problem to your system manager and/or to
                    *** bug-libtool@gnu.org
                    EOF
                    fi
                esac
            esac
        esac
    fi
    done
    IFS="$lt_save_ifs"
    MAGIC_CMD="$lt_save_MAGIC_CMD"
}]
]# 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@:>@],
[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 $host in
        *-mingw*)
            # gcc leaves a trailing carriage return which upsets mingw
            ac_prog="($CC -print-prog-name=ld) 2>&5 | tr -d '\015' ;;
        *
            ac_prog="($CC -print-prog-name=ld) 2>&5' ;;
esac
case $ac_prog in
        # Accept absolute paths.
        [!/]* | ?:[!/]*
            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
    esac

    ## Check if gcc -print-prog-name=ld gives a path.
    AC_MSG_CHECKING([for ld used by $CC])
case $host in
        *-mingw*)
            # gcc leaves a trailing carriage return which upsets mingw
            ac_prog="($CC -print-prog-name=ld) 2>&5 | tr -d '\015' ;;
        *
            ac_prog="($CC -print-prog-name=ld) 2>&5' ;;
esac
case $ac_prog in
        # Accept absolute paths.
        [!/]* | ?:[!/]*
            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
    esac
# If it is relative, then search for the first ld in PATH.
with_gnu_ld=unknown
#
else
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/$ac_prog" || test -f "$ac_dir/$ac_prog$ac_exeext"; then
lt_cv_path_LD="$ac_dir/$ac_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])])dnl

AC_CACHE_CHECK([if the linker ($LD) is GNU ld], lt_cv_prog_gnu_ld,
[## I'd rather use --version here, but apparently some GNU lds only accept -v.
case 'LD -v 2>&1 <dev/null' in
 *GNU* | *'with BFD'*)
 lt_cv_prog_gnu_ld=yes
 ;; *
 *)
 lt_cv_prog_gnu_ld=no
 ;; esac)
with_gnu_ld=$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 $host_os in
darwin*)
 if test "$GCC" = yes; then
  reload_cmds='$LTCC $LTCFLAGS -nostdlib ${wl}-r -o $output$reload_objs'
 else
  reload_cmds='$LDS$reload_obj -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( 
lt_cv_deplibs_check_method, 
 lt_cv_file_magic_cmd=$MAGIC_CMD' 
lt_cv_file_magic_test_file=
 lt_cv_deplibs_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 $host_os in
  aix[[4-9]]*)
  lt_cv_deplibs_check_method=pass_all
   ;;
  beos*)
  lt_cv_deplibs_check_method=pass_all
   ;;
  bsdi[[45]]*)
  lt_cv_deplibs_check_method='file_magic ELF [[0-9][0-9]]*-bit [[ML]]SB (shared object[dynamic lib]'
  lt_cv_file_magic_cmd=/usr/bin/file -L'
  lt_cv_file_magic_test_file=/shlib/libc.so
   ;;
  cygwin*)
  # func_win32_libid is a shell function defined in ltmain.sh 
  lt_cv_deplibs_check_method='file_magic ^x86 archive import|^x86 DLL' 
  lt_cv_file_magic_cmd='func_win32_libid'
   ;;
  mingw* | pw32*)
  # Base MSYS/MinGW do not provide the 'file' command needed by 
  # func_win32_libid shell function, so use a weaker test based on 'objdump'. 
  # unless we find 'file', for example because we are cross-compiling. 
  if ( file / ) > /dev/null 2>&1; then 
  lt_cv_deplibs_check_method='file_magic ^x86 archive import|^x86 DLL' 
  lt_cv_file_magic_cmd='func_win32_libid'
  else 
  lt_cv_deplibs_check_method='file_magic file format pei*-i386(.architecture: i386)?' 
  lt_cv_file_magic_cmd='$OBJDUMP -f'
  fi
::

darwin* | rhapsody*)
lt_cv_deplibs_check_method=pass_all
::

freebsd* | dragonfly*)
if echo __ELF__ | $CC -E - | grep __ELF__ > /dev/null; then
case $host_cpu in
  i*86
    ;
    lt_cv_deplibs_check_method='file_magic (FreeBSD|OpenBSD|DragonFly)/i|[3-9]86 (compact )?demand paged shared library'
    lt_cv_file_magic_cmd=/usr/bin/file
    lt_cv_file_magic_test_file='echo /usr/lib/libc.so.*'
    ;
    esac
else
  lt_cv_deplibs_check_method=pass_all
fi
::

gnu*)
lt_cv_deplibs_check_method=pass_all
::

hpux10.20* | hpux11*)
lt_cv_file_magic_cmd=/usr/bin/file
case $host_cpu in
  ia64*)
    lt_cv_deplibs_check_method='file_magic (s[0-9][0-9][0-9][0-9]|ELF-[0-9][0-9][0-9][0-9]) shared object file - IA64'
    lt_cv_file_magic_test_file=/usr/lib/hpux32/libc.so
    ;
  hppa*64*)
    lt_cv_deplibs_check_method='file_magic (s[0-9][0-9][0-9][0-9]|PA-RISC [0-9][0-9][0-9][0-9]) shared file'
    lt_cv_file_magic_test_file=/usr/lib/pa20_64/libc.sl
    ;
  *)
    lt_cv_deplibs_check_method='file_magic (s[0-9][0-9][0-9][0-9]|PA-RISC[0-9][0-9][0-9][0-9]) shared library'
    lt_cv_file_magic_test_file=/usr/lib/libc.sl
    ;
    esac
::

interix*[3-9]*)
  # PIC code is broken on Interix 3.x, that's why \a not \_pic\a here

---

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rdos*)
  lt_cv_deplibs_check_method=pass_all
;;

solaris*)
  lt_cv_deplibs_check_method=pass_all
;;

(sysv4 | sysv4.3*)
  case $host_vendor in
    motorola)
      lt_cv_deplibs_check_method='file_magic ELF [[0-9]][[0-9]]*-bit [[ML]]SB (shared object|dynamic lib) M[[0-
         9]][[0-9]]* Version [[0-9]]'
      lt_cv_file_magic_test_file='echo /usr/lib/libc.so*' 
    ;;
    ncr)
      lt_cv_deplibs_check_method=pass_all
    ;;
    sequent)
      lt_cv_file_magic_cmd='/bin/file'
      lt_cv_deplibs_check_method='file_magic ELF [[0-9]][[0-9]]*-bit [[LM]]SB (shared object|dynamic lib)'
    ;;
    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)
      lt_cv_deplibs_check_method=pass_all
    ;;
    pc)
      lt_cv_deplibs_check_method=pass_all
    ;;
  esac
  ;;
  esac
;;

(sysv5* | sco3.2v5* | sco5v6* | unixware* | OpenUNIX* | sysv4*uw2*)
  lt_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 $lt_nm_to_check; do
lt_save_ifs="$IFS"; IFS=$PATH_SEPARATOR
for ac_dir in $PATH /usr/ccs/bin/elf /usr/ccs/bin /usr/ucb /bin; do
IFS="$lt_save_ifs"
test -z "$ac_dir" && ac_dir=.
tmp_nm="$ac_dir/$lt_tmp_nm"
if test -f "$tmp_nm" || test -f "$tmp_nm$ac_exeext" ; 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
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
;;
*)
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])]
LIBM=
case $host in
  *-beos* | *-cygwin* | *-pw32* | *-darwin*)
    LIBM=
    # These system don't have libm, or don't need it
  ;;
  *-ncr-sysv4.3*)
    AC_CHECK_LIB(mw, __mwvalidcheckl, LIBM="-lmw"
    AC_CHECK_LIB(m, cos, LIBM="$LIBM -lm"
  ;;
  *)
    AC_CHECK_LIB(m, cos, LIBM="-lm"
  ;;
esac
)

# AC_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
# "/libltdc.la" 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_build_dir and top_src_dir appropriately in
# the Makefiles.
AC_DEFUN([AC_LIBLTDL_CONVENIENCE],
[AC_BEFORE([$0],[AC_LIBTOOL_SETUP])]
case $enable_ltdl_convenience in
  no) AC_MSG_ERROR([this package needs a convenience libltdl]) ;;
  *)
    enable_ltdl_convenience=yes
    ac_configure_args="--enable-ltdl-convenience"
  esac
LIBLTDL="/libltdc.la"
LTDLINCL="/libltdl"
)

J# AC_LIBLTDL_CONVENIENCE
AC_LIBLTDL_INSTALLABLE([DIRECTORY])

# sets LIBLTDL to the link flags for the libltldl installable library and
# LTDLINCL to the include flags for the libltldl header and adds
# --enable-ltdl-install to the configure arguments. Note that
# AC_CONFIG_SUBDIRS is not called here. If DIRECTORY is not provided,
# and an installed libltldl is not found, it is assumed to be 'libltldl'.
# 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])]
        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([libltldl not installed, but installation disabled])
            else
                enable_ltdl_install=yes
            fi]
        )
        if test x"enable_ltdl_install" = x"yes"; then
            ac_configure_args="${ac_configure_args} --enable-ltdl-install"
            LIBLTDL="${top_builddir}/libltldl.la"
            LTDLINCL="-I${top_srcdir}/libltldl.la"
        else
            ac_configure_args="${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_LIBTOOL_CXX
AC_DEFUN([LT_AC_LANG_CXX],

[AC_REQUIRE([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([AC_PROG_CXX])
if test -n "$CXX" && ( test "$XSCXX" != "Xno" &&
 ( (test "$XSCXX" = "Xg++" && 'g++ -v >/dev/null 2>&1' ) ||
 (test "$X$CXX" != "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_LIBTOOL_F77

# _LT_AC_LANG_F77
# -------------
AC_DEFUN([_LT_AC_LANG_F77],
[AC_REQUIRE([AC_PROG_F77])
_LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}F77])
)# _LT_AC_LANG_F77

# AC_LIBTOOL_GCJ
# --------------
# enable support for GCJ libraries
AC_DEFUN([AC_LIBTOOL_GCJ],
[AC_REQUIRE([_LT_AC_LANG_GCJ])]
)# AC_LIBTOOL_GCJ

# _LT_AC_LANG_GCJ
# ---------------
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])],

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# AC_LIBTOOL_RC
#
# enable support for Windows resource files
AC_DEFUN([AC_LIBTOOL_RC],
[AC_REQUIRE([LT_AC_PROG_RC])]
_LT_AC_SHELL_INIT([tagnames=${tagnames+${tagnames},}RC])
))# AC_LIBTOOL_RC

# AC_LIBTOOL_LANG_C_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_C_CONFIG], [_LT_AC_LANG_C_CONFIG])
AC_DEFUN([_LT_AC_LANG_C_CONFIG],
[lt_save_CC="$CC"
AC_LANG_PUSH(C)

# Source file extension for C test sources.
aext=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([Scan_build_shared])

AC_MSG_CHECKING([whether to build shared libraries])
test "Scan_build_shared" = "no" && enable_shared=no

# On AIX, shared libraries and static libraries use the same namespace, and
# are all built from PIC.
case $host_os in
  aix3*)
    test "enable_shared" = yes && enable_static=no
    if test -n "$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_C_CONFIG

# 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)=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

# Dependencies to place before and after the object being linked:
_LT_AC_TAGVAR(predep_objects, $1)=
_LT_AC_TAGVAR(postdep_objects, $1)=
_LT_AC_TAGVAR(predeps, $1)=
_LT_AC_TAGVAR(postdeps, $1)=
_LT_AC_TAGVAR(compiler_lib_search_path, $1)=
_LT_AC_TAGVAR(compiler_lib_search_dirs, $1)=

# Source file extension for C++ test sources.
ac_ext=cpp

# 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(int, char *[[[]]) { return(0); }'
# 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=$CC
lt_save_LD=$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
    $as_unset lt_cv_path_LD
fi
if test "$GXX" = yes; then
    # Set up default GNU C++ configuration
    AC_PROG_LD
    if test "$with_gnu_ld" = yes; then
        _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld -soname $wl$soname -o $lib"
    else
        _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $wl-soname $wl$soname -o $lib"
    fi
else
    # We don't want -fno-exception when compiling C++ code, so set the
    # no_builtin_flag separately
    if test "$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 "$GXX" = yes; then
        # Check if GNU C++ uses GNU ld as the underlying linker, since the
        # archiving commands below assume that GNU ld is being used.
        if test "$with_gnu_ld" = yes; then
            _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld -soname $wl$soname -o $lib"
        else
            _LT_AC_TAGVAR(archive_cmds, $1)="/usr/bin/ld $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $wl-soname $wl$soname -o $lib"
        fi
    fi
_LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $wl$soname $wl$sptobjs $wl$soname $wl$retain-symbols-file $wl$export_symbols -o $lib"

_LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="$wl$libdir"
_廖_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
    wlarc=

# 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.
_廖_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])
_廖_LT_AC_TAGVAR(ld_slshlibs, $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
   # 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
            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-toc to
   # CXFFLAGS/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 "$SGXX" = 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, $1)=
fi
::
  esac
  shared_flag=':-shared'
  if test "$aix_use_runtimelinking" = yes; then
    shared_flag="shared -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.
_LT_AC_TAGVAR(always_export_symbols, $1)=yes
if test "$aix_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"
if test "$host_cpu" = ia64; then
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="-R $libdir:/usr/lib:/lib"
else
    if test "$host_cpu" = ia64; then
        _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-R $libdir:$aix_libpath'
    fi
    # Exported symbols can be pulled into shared objects from archives
    _LT_AC_TAGVAR(whole_archive_flag_spec, $1)='$convenience'
    # This is similar to how AIX traditionally builds its shared libraries.
    _LT_AC_TAGVAR(archive_cmds, $1)='$CC -nostart $libobjs $deplibs $compiler_flags $shared_flag
        -bnoentry $compiler_flags $wl$soname -o $lib'
fi
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
        -E:$export_symbols$allow_undefined_flag "$AR $AR_FLAGS
        $output_objdir/$libname$release.a $output_objdir/$soname"
else
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
fi
::;
chorus*)
    case $cc_basename in
        *)
            # FIXME: insert proper C++ library support
            _LT_AC_TAGVAR(ld_shlibs, $1)=no
            ;;
            esac
    esac
# _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 \{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
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
  fi
if

  _LT_AC_TAGVAR(archive_cmds, $1)='$CC -dynamiclib $allow_undefined_flag -o $lib $libobjs $deplibs
  $compiler_flags -install_name $rpath/$soname $verstring $Lt_dar_allow_undefined
  if test "$GXX" = yes ; then
    output_verbose_link_cmd='echo'
  fi

  _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,\^\^,\^,g' < $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\_symns]$[Lt_dsymutil]"
  _LT_AC_TAGVAR(module_expsym_cmds, $1)="sed -e 's,\^\^,\^,g' < $export_symbols >

  \$output_objdir/$libname-symbols.expsym\$CC $allow_undefined_flag -o $lib -bundle $libobjs $deplibs
if test "$lt_cv_apple_cc_single_mod" != "yes"; then
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -r -keep_privateexterns -nostdlib -o ${lib}-master.o \\
  $libobjs-$SCC -dynamiclib $allow_undefined_flag -o ${lib}-master.o $deplibs $compiler_flags -install_name $rpath/$soname $verstring$[\pc_mutil]"

  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -dynamiclib -o $lib ${lib}-master.o $deplibs $compiler_flags -install_name $rpath/$soname $verstring$[\pc_mutil]"

  $compiler_flag$[\lt_dar_export_syms]$[\lt_dsymutil]"

else
  case $cc_basename in
    xlc*)
    output_verbose_link_cmd='echo'

    _LT_AC_TAGVAR(archive_cmds, $1)='$CC -qmkshrobj ${wl}-single_module $allow_undefined_flag -o \\
    $lib $libobjs $deplibs $compiler_flags ${wl}-install_name $rpath/$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 -qmkshrobj ${wl}-single_module \\
    $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags ${wl}-install_name $rpath/$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 $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
";

# 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
";

# 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*)
::
hpux9*)
_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
_LT_AC_TAGVAR(hardcode_minus_L, $1)=yes # Not in the search PATH,
# but as the default
# location of the library.

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 $wl$libdir -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 $z"; *) list="$list $z"; esac; done; echo $list'
::
*)
if test "$GXX" = yes; then

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_LT_AC_TAGVAR(archive_cmds, $1)='$rm $output_objdir/$soname -SC -shared -nostdlib -fPIC $[w1]+b $[w1]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
  # FIXME: insert proper C++ library support
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi
::
esac
::
hpux10*|hpux11*)
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*)
      # Not in the search PATH, but as the default location of the library.
    ;;
    esac
  fi
case $host_cpu in
    hppa*64*|ia64*)
      _LT_AC_TAGVAR(archive_cmds, $1)='$$CC -b ${wl}+h $$soname -o $$lib $$predep_objects $$deplibs $$postdep_objects $$compiler_flags'::
      esac
    ;;
case $host_cpu in
      hppa*64*|ia64*)
      _LT_AC_TAGVAR(archive_cmds, $1)='$$CC -b ${wl}+h $$soname -nodefaultrpath $$deplibs $$postdep_objects $$compiler_flags'::
      esac
    ;;
$predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'

::*

_\LT_AC_TAGVAR(archive_cmds, $1)="$CC -b $wl\$soname $wl\$install_libdir -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'

::*

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.

templist='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\$soname ${wl}+b ${wl}\$install_libdir -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'

::*

    ia64*)
            _\LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib -fPIC $wl\$soname $wl\$defaultrpath -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'

::*

        *)
            _\LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib -fPIC $wl\$soname $wl\$defaultrpath -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'

::*

        esac
    fi
else
    # FIXME: insert proper C++ library support
    _\LT_AC_TAGVAR(id_shlibs, $1)=no
fi

::*

esac

::*

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, $1)=${wl}\$install_libdir -o $lib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags'

::*

_\LT_AC_TAGVAR(export_dynamic_flag_spec, $1)=${wl}\-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 $wl-h,$soname $wl--image-base,expr $(RANDOM-$$$) % 4096 / 2 * 262144 + 1342177280' -o $lib'
LT_AC_TAGVAR(archive_expsym_cmds, $1)="sed "s,\^,," $export_symbols
>$output_objdir/$soname.expsym~$CC -shared $pic_flag $libobjs $deplibs $compiler_flags $wl-h,$soname $wl--retain-symbols-file,$output_objdir/$soname.expsym $wl--image-base,expr $(RANDOM-$$$) % 4096 / 2 * 262144 + 1342177280' -o $lib'
"

irix5* | irix6*)
case $cc_basename in 
CC*)
LT_AC_TAGVAR(archive_cmds, $1)="/CC -ar -all -multigot $predep_objects $libobjs $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.
LT_AC_TAGVAR(old_archive_cmds, $1)="$CC -ar -WR,,-u -o $oldlib $oldobjs'
"

if test "$GXX" = yes; then
if test "Swith_gnu_ld" = no; then
LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags -soname $wl$soname 'test -n "$verstring" && echo $wl-set_version $wl$verstring' $wl-update_registry $wl$wl$wl$wl$wl$wl-foutput_objdir/fso_locations -o $lib'
else
LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared -nostdlib $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags -soname $wl$soname 'test -n "$verstring" && echo $wl-set_version $wl$verstring' -o $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 $ccasename 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/\([^()0-9A-Za-z{}]\)/\\\1/g\"";
    $CC $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname -o $templib; mv $templib $lib'

LT_AC_TAGVAR(archive_expsym_cmds, $1)=tempext=echo $shared_ext | $SED -e "\"s/\([^()0-9A-Za-z{}]\)/\\\1/g\"";
templib='echo $lib | $SED -e "s/\([^()0-9A-Za-z{}]\)/\\\1/g\"";
    $CC $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname -o $templib; 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 $z in conftest.$objext) list="list $z";;
    *.$objext) list="list $z";; *) list="list $z";; esac; done; echo $list'

LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}--rpath,$libdir'
LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}--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_ld=yes
# version 8.0 and above of icpc choke on multiply defined symbols
# if we add $predep_objects and $postdep_objects, however 7.1 and
# earlier do not add the objects themselves.
case '$CC -V 2>&1' in
    *"Version 7.1")
    _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 $wl$retain-symbols-file $wl$export_symbols -o $lib'
    ;;
    *) # Version 8.0 or newer
        tmp_idyn=
        case $host_cpu in
ia64*) tmp_idyn=' -i_dynamic';
else
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared "$tmp_idyn" $libobjs $deplibs $compiler_flags $[wl]-soname $wl$soname -o $lib'
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared "$tmp_idyn" $libobjs $deplibs $compiler_flags $[wl]-soname $wl$soname $[wl]-retain-symbols-file $wl$export_symbols -o $lib'

pgCC* | pgcpp*)
  # Portland Group C++ compiler
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $[wl]-soname $[wl]$soname -o $lib'
  _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $[wl]-soname $[wl]$soname $[wl]-retain-symbols-file $[wl]$export_symbols -o $lib'

runpath_var=LD_RUN_PATH
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-rpath $[wl]$libdir'
  _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='-export-dynamic'
  _LT_AC_TAGVAR(whole_archive_flag_spec, $1)='-whole-archive$convenience --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 $[wl]-soname $[wl]$soname $[wl]-retain-symbols-file $[wl]$export_symbols -o $lib'

  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-rpath $[wl]$libdir'
  _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='-export-dynamic'
  _LT_AC_TAGVAR(whole_archive_flag_spec, $1)='-whole-archive$convenience --no-whole-archive'

  __pgc? __pgcpp)
  # 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_cmds, $1)="$CC -shared $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $[wl]-soname $wl$soname -o $lib'

  runpath_var=LD_RUN_PATH
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-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""; templist="$ echo $templist | sed "s/\(^.*ld.*\)(.*ld.*\)/\1/"; list=""; for z in $templist; do case $z in $convenience; do 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_cmds, $1)="$CC -shared $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags $[wl]-soname $wl$soname -o $lib'

  runpath_var=LD_RUN_PATH
  _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-rpath $[wl]$libdir'
  _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
case 'SCC -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 $depobjs $postdep_objects $compiler_flags $libraries $export_symbols'
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -G${allow_undefined_flag} -h$soname -o $lib $predep_objects $libobjs $depobjs $postdep_objects $compiler_flags $libraries ${wl}-retain-symbols-file $libraries $export_symbols'
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='-R$libdir'
    _LT_AC_TAGVAR(whole_archive_flag_spec, $1)='${wl}--whole-archive'new_convenience=; for conv in
        "$new_convenience"
      do test -z "$conv" || new_convenience="$new_convenience,$conv"; done; $echo "$new_convenience" $libraries $export_symbols
    # Not sure whether something based on
    # $CC $CFLAGS -v conftest.$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(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 $deplibs
$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_expsym_cmds, $1)="$CC -shared $pic_flag $predep_objects $libobjs $deplibs
$postdep_objects $compiler_flags $[wl]-retain-symbols-file,$export_symbols -o $lib

   _LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='${wl}-E'
   _LT_AC_TAGVAR(whole_archive_flag_spec, $1)="$wlarc"--whole-archive$convenience "$wlarc"--no-whole-archive"
   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.
   ;;
# Archives containing C++ object files must be created using
# "CC -Bstatic", where "CC" is the KAI C++ compiler.

.lt_ac_tagvar(archive_cmds, $1)="/\ \$S\ \S\ \S\ .\ .\ so/\"";
\$CC\ $predep_objects\ $libobjs\ $deplibs\ $postdep_objects
\$compiler\flags\ \-soname\ $soname\ \-o\ \$\templib;\ \mv\ \\$\templib\ $lib'
# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.
output_verbose_link_cmd='$CC -shared $CFLAGS -v conftest.$objext 2>&1 | grep "^-L"'
else
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(id_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/\($\(\text{tempext}\)\..*/.so/";
    $CC $predep_objects $libobjs $deplibs $postdep_objects $compiler_flags --soname $soname $allow_undefined_flag -Wl,-input -Wl,$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, $1)='${wl}-rpath,$libdir'
    _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
    # Archives containing C++ object files must be created using
    # the KAI C++ compiler.
  esac
;
RCC*)
# FIXME: insert proper C++ library support
_LT_AC_TAGVAR(id_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 $\(\-{\w}l\)\-{msym} $\(\-{\w}l\)\-{soname} $\(\-{\w}l\)\-{soname} 'test -n "$verstring" &&
\$echo $\(\-{\w}l\)\-{set_version} $\(\-{\w}l\)\-{verstring}" $\(\-{\w}l\)\-{update_registry} $\(\-{\w}l\)\-${output_objdir}\-so\-{locations} -o $\(\-{\w}l\)'

LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-rpath ${wl}$libdir'
LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:

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

# 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
;
"

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'
   _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$[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(old_archive_cmds, $1)="$CC -xar -o $oldlib $oldobjs"
   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
The C++ compiler must be used to create the archive.

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'
fi

# Commands to make compiler produce verbose output that lists
# what "hidden" libraries, object files and flags are used when
# linking a shared library.

Case $host_os in
  solaris2.* | solaris2.*.*)
    *)
  *)
   _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='${wl}-R $wl$libdir'
   case $host_os in
     solaris2.* | solaris2.*.*)
       *)
     *)
   esac
fi
esac
;
sysv4*uw2* | 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'

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 $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 $compiler_flags'
    ;;
  esac
;
  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.
    # 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.
    _LT_AC_TAGVAR(no_undefined_flag, $1)='${wl}-z,defs'
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='${wl}-z,nodefs'
    _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='test -z "$SCOABSPATH" && echo $wl-R,$Slibdir'
    _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'

  esac
;

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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_basename 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)
public class foo {
    private int a;
    public void bar (void) {
        a = 0;
    }
}
EOF

dnl Parse the compiler output and extract the necessary 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

    # The "*" in the case matches for architectures that use 'case' in
    # $output_verbose_cmd can trigger glob expansion during the loop
    # eval without this substitution.
    output_verbose_link_cmd='$echo "X$output_verbose_link_cmd" | $Xsed -e "$no_glob_subst"

    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
            # 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, $1)"; then
            EOF
if test -z "$_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
   fi

   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

   *); ;; # 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_path, $1))" | $(SED) -e 's! -L! !g' -e 's!^ !!'"
fi

# PORTME: override above test on systems where it is broken
ifelse([$1], [CXX],
  [case $host_os in
    interix[[3-9]]*)
      # Intex 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, $1)=
    ;;
    linux*)
      case "$CC -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
      ;;
    ;;
    esac
  ;;
  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

# Adding this requires a known-good setup of shared libraries for
# Sun compiler versions before 5.6, else PIC objects from an old
# archive will be linked into the output, leading to subtle bugs.
if test "$solaris_use_stlport4" != yes; then
  _LT_AC_TAGVAR(postdeps,$1)=:-library=Cstd -library=Crun'
fi
;;
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_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_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.
ac_ext=f

# Object file extension for compiled f77 test sources.
objext=o
_LT_AC_TAGVAR(objext, $1)=$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.
lt_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([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 $host_os in
    aix3*)
        test "enable_shared" = yes && enable_static=no
        if test -n "$RANLIB"; then
            archive_cmds="Sarchive_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])

_LT_AC_TAGVAR(GCC, $1)="$G77"
_LT_AC_TAGVAR(LD, $1)="$LD"

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_AC_LANG_GCJ_CONFIG(GCJ)])

# 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.
ltr_save_CC="$CC"
CC=$GCJ"gcj"
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_libc, $1)=no

_LT_AC_TAGVAR(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_dlsearch_path_spec \ 
  old_postinstall_cmds old_postuninstall_cmds \ 
  _LT_AC_TAGVAR(compiler, $1) \ 
  _LT_AC_TAGVAR(CC, $1) \ 
  _LT_AC_TAGVAR(LD, $1) \ 
  _LT_AC_TAGVAR(lt_prog_compiler_wl, $1) \ 
  _LT_AC_TAGVAR(lt_prog_compiler_pic, $1) \ 
  _LT_AC_TAGVAR(lt_prog_compiler_static, $1) \ 
  _LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1) \ 
  _LT_AC_TAGVAR(export_dynamic_flag_spec, $1) \ 
  _LT_AC_TAGVAR(thread_safe_flag_spec, $1) \ 
  _LT_AC_TAGVAR(whole_archive_flag_spec, $1) \ 
  _LT_AC_TAGVAR(enable_shared_with_static_runtimes, $1) \ 
  _LT_AC_TAGVAR(old_archive_cmds, $1) \ 
  _LT_AC_TAGVAR(old_archive_from_new_cmds, $1) \ 
  _LT_AC_TAGVAR(predep_objects, $1) \ 
  _LT_AC_TAGVAR(postdep_objects, $1) \ 
  _LT_AC_TAGVAR(predeps, $1) \ 
  _LT_AC_TAGVAR(postdeps, $1) \ 
  _LT_AC_TAGVAR(compiler_lib_search_path, $1) \ 
  _LT_AC_TAGVAR(compiler_lib_search_dirs, $1) \ 
  _LT_AC_TAGVAR(archive_cmds, $1) \ 
  _LT_AC_TAGVAR(archive_expsym_cmds, $1) \ 
  _LT_AC_TAGVAR(postinstall_cmds, $1) \ 
  _LT_AC_TAGVAR(postuninstall_cmds, $1) \ 
  _LT_AC_TAGVAR(old_archive_from_expsyms_cmds, $1) \ 
  _LT_AC_TAGVAR(allow_undefined_flag, $1) \ 
)
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_expsyms_cmds, $1) | 
  _LT_AC_TAGVAR(export_symbols_cmds, $1) | 
  extract_expsyms_cmds | reload_cmds | finish_cmds | 
  postinstall_cmds | postuninstall_cmds | 
  old_postinstall_cmds | old_postuninstall_cmds | 
  sys_lib_search_path_spec | sys_lib_dlsearch_path_spec)
    # Double-quote double-evaled strings.
    eval "lt_$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
  esac
done

case $lt_echo in
  *\[$\]0 --fallback-echo"
    lt_echo=$echo "XS$lt_echo" | $Xsed -e 's/\\\\[$\]0 --fallback-echo"\[$\]/\[$\]0 --fallback-echo"/'
      ;;
    esac
ifelse([S1], [],
  [cfgfile="$ofile"T]
  trap "$rm "$cfgfile"; exit 1 2 15
  $rm -f "$cfgfile"
  AC_MSG_NOTICE([creating $ofile]),
  [cfgfile="$ofile"]
)
cat "<$__EOF__>> "$cfgfile"
ifelse([$1], [],
[#! $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
#
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# 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]
# 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.
build_libtool_libs=$enable_shared

# Whether or not to build static libraries.
build_old_libs=$enable_static

# Whether or not to add -lc for building shared libraries.
build_libtool_need_lc=$_LT AC_TAGVAR(archive_cmds_need_lc, $1)

# Whether or not to disallow shared libs when runtime libs are static
allow_libtool_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=$MAGIC_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.
no_builtin_flag=$lt_[[]]_LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)

# Compiler flag to allow reflexive dloppens.
export_dynamic_flag_spec=$lt_[[]]_LT_AC_TAGVAR(export_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.

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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_deplibs_check_method

# Command to use when 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[]_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[]_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[]_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[]_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[]_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__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.
include_expsyms=$lt_[]_LT_AC_TAGVAR(include_expsyms, $1)

ifelse([$1],[],[
# ### END LIBTOOL CONFIG],
[# ### END LIBTOOL TAG CONFIG: $tagname])

__EOF__

ifelse([$1],[], [
case $host_os in
aix3*)
cat <<\EOF >> "$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 's"$ltmain" "$cfgfile" || (rm -f "$cfgfile"; exit 1)

mv -f "$cfgfile" "Sofile" || \

(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 $ltmain | sed -e 's/\.sh$/.in/''
if test -f "$ltmain_in"; then
test -f Makefile && make "$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])dnl
_LT_AC_TAGVAR(lt_prog_compiler_no_builtin_flag, $1)=
if test "$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_PROG_COMPILER_NO_RTTI

# 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?!! ;)]

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# Character class describing NM global symbol codes.
symcode='[BCDEGRST]'

# Regexp to match symbols that can be accessed directly from C.
sympat='\([\_[A-Za-z]]\[[A-Za-z0-9-9]\]\)'

# Transform an extracted symbol line into a proper C declaration
lt_cv_sys_global_symbol_to_cdecl="sed -n -e \'s/\.* \(.*\)/extern int \1;/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) 0,./p' -e \'s/\.*symcode\(\[[^ ]\]*\)\(\[[^ ]\]*\)/\2, (lt_ptr) \&2./p'"

# Define system-specific variables.
case $host_os in
  aix*)
    symcode='[BCDT]'
    ;;
  cygwin* | mingw* | pw32*)
    symcode='[ABCDGISTW]'
    ;;
  hpush*) # Its linker distinguishes data from code symbols
    if test "$host_cpu" = ia64; then
      symcode='[ABCDEGRST]'
      fi
    lt_cv_sys_global_symbol_to_cdecl="sed -n -e \'s/\.* \(.*\)/\1;/p' -e \'s/\.*symcode\* \(\[[^ ]\]*\)\(\[[^ ]\]*\)/\2;/p'"
    lt_cv_sys_global_symbol_to_c_name_address="sed -n -e \'s/\.* \(.*\)/\1, (lt_ptr) 0,./p' -e \'s/\.*symcode\* \(\[[^ ]\]*\)\(\[[^ ]\]*\)/\2;/p'"
    ;;
  linux* | k*bsd*-gnu)
    if test "$host_cpu" = ia64; then
      symcode='[ABCDEGRSTW]'
      fi
    lt_cv_sys_global_symbol_to_cdecl="sed -n -e \'s/\.* \(.*\)/\1;/p' -e \'s/\.*symcode\* \(\[[^ ]\]*\)\(\[[^ ]\]*\)/\2;/p'"
    lt_cv_sys_global_symbol_to_c_name_address="sed -n -e \'s/\.* \(.*\)/\1, (lt_ptr) 0,./p' -e \'s/\.*symcode\* \(\[[^ ]\]*\)\(\[[^ ]\]*\)/\2;/p'"
    ;;
  irix* | nonstopux*)
    symcode='[BCDEGRST]'
    ;;
  osf*)
    symcode='[BCDEGQRST]'
    ;;
  solaris*)
    symcode='[BDRT]'
    ;;
  *)
    ;;
  esac

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]\t\015' # option cr in regexp
    ;;
esac

# If we're using GNU nm, then use its standard symbol codes.
case `NM -V 2>&1` in
  *GNU* | *'with BFD'*)
    symcode='[[ABCDGIRSTW]]' ;;
esac

# Try without a prefix underscore, then with it.
for ac_symprfx in "" "; do

  # Transform symcode, sympat, and symprfx into a raw symbol and a C symbol.
symxfrm="\1 $ac_symprfx\2 \2"

  # Write the raw and C identifiers.
lc_cv_sys_global_symbol_pipe="sed -n -e /[^ ]\$symcode$symcode*[ ][ ]\$ac_symprfx$symprfx\015"# option cr in regexp
  lt_cv_=sed -n -e /[^ ]\$symcode$symcode*[ ][ ]\$ac_symprfx$symprfx$opt_cr$/$symxfrm/p"

  # Check to see that the pipe works correctly.
  pipe_works=no

  rm -f conftest*
  cat > conftest.$ac_ext <<EOF
  #ifdef __cplusplus
  extern "C" { 
  #endif
  char nm_test_var;
  void nm_test_func(); 
  EOF
  rm -f conftest*
  cat > conftest.$ac_ext <<EOF
  #ifdef __cplusplus
  extern "C" { 
  #endif
  char nm_test_var;
  void nm_test_func(); 
  EOF

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" { 
            EOF
         # Now generate the symbol file.
         eval "$lt_cv_sys_global_symbol_to_cdecl"'' < "$nlist" | grep -v main >> conftest.$ac_ext'

         cat <<EOF >> conftest.$ac_ext
            #ifdef __cplusplus
            #endif
            EOF
         # Now generate the symbol file.
         eval "$lt_cv_sys_global_symbol_to_cdecl"'' < "$nlist" | grep -v main >> conftest.$ac_ext'

         # 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
   #ifdef __cplusplus
   #endif
{0, (lt_ptr_t) 0}:

#ifdef __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 $nlst" >&AS\_MESSAGE\_LOG\_FD
  fi
  else
  echo "cannot find nm\_test\_var in $nlst" >&AS\_MESSAGE\_LOG\_FD
  fi
else
  echo "cannot run $lt\_cv\_sys\_global\_symbol\_pipe" >&AS\_MESSAGE\_LOG\_FD
  fi
else
  echo "$progname: failed program was:" >&AS\_MESSAGE\_LOG\_FD
  cat conftest.$ac\_ext >&5
  fi
rm -rf conftest* conftst*

# 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$lt\_cv\_sys\_global\_symbol\_to\_cdecl$”; 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([$1],[CXX],[
 # C++ specific cases for pic, static, wl, etc.
 if test "$SGXX" = 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([$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'
  ;;
*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.
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_pic, $1)='-fPIC'
fi
;;

*)
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
;;

esac
;;

*)
_LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
;;

esac
else

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 -bf:/lib/syscalls.exp'
fi
;;

chorus*)
case "$cc_basename" in

cxpath8*)
# Green Hills C++ Compiler
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)="--no_auto_instantiation -u __main -u __premain -u __abort -r $COOL_DIR/lib/libOrb.a $MVME_DIR/lib/CC/libC.a $MVME_DIR/lib/classix/libcx.s.a"
;;

esac
;;
# 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*)
  esac
  ;;
  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*)
  esac
  ;;
  hpux9* | hpux10* | hpux11*)
  esac
  ;;
  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
        ;;
        *)
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

 case $cc_basename in
  linux* | k*bsd*-gnu
    case $cc_basename in
    KCC*)
      # KAI C++ Compiler
      _LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='--backend -Wl,'
      _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)='-fPIC'
    ;;
    icpc* | ecpc*)
      # Intel C++
      _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* | 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_wl, $1)=
      _LT_AC_TAGVAR(lt_prog_compiler_pic, $1)= '-non_shared'
    ;;
    *)
    esac
)
_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*)
::
osf3* | osf4* | osf5*)
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*)
# Lucid
_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
;
else

fi
[
if test "$GCC" = yes; then
_LT_AC_TAGVAR(lt_prog_compiler_wl, $1)='-Wl,'
_LT_AC_TAGVAR(lt_prog_compiler_static, $1)='-static'

else

if test "$host_os" in
   aix*)
   # All AIX code is PIC.
   if test "$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'
   ;;
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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
            ;;
    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'
    ;;
    *)
      _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'
  ;;

  newsos6)
  _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*)
  # 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 'SCE -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\ F*)
  # Sun Fortran 8.3 passes all unrecognized flags to the linker
_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

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
;;
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_compil_pic, $1)])

# Check to make sure the PIC flag actually works.
if test -n "$LT_AC_TAGVAR(lt_compil_pic, $1)"
then
    AC_LIBTOOL_COMPILER_OPTION([if $compiler PIC flag $LT_AC_TAGVAR(lt_compil_pic, $1) works],
        $LT_AC_TAGVAR(lt_cv_compil_pic_woks, $1),
        [case $LT_AC_TAGVAR(lt_compil_pic, $1) in
            "" | "")
            $LT_AC_TAGVAR(lt_compil_pic, $1)="$LT_AC_TAGVAR(lt_compil_pic, $1)"
            esac,
        $LT_AC_TAGVAR(lt_compil_pic, $1)=
        $LT_AC_TAGVAR(lt_compil_can_build_shared, $1)=no)
fi

# For platforms which do not support PIC, -DPIC is meaningless:
*djgpp*)
    
    $LT_AC_TAGVAR(lt_compil_pic, $1)="$LT_AC_TAGVAR(lt_compil_pic, $1)"
    esac

# Check to make sure the static flag actually works.
wl=$LT_AC_TAGVAR(lt_compil_wl, $1) eval
lt_tmp_static_flag="$LT_AC_TAGVAR(lt_compil_static, $1)"
AC_LIBTOOL_LINKER_OPTION([if $compiler static flag $lt_tmp_static_flag works],
    $lt_tmp_static_flag,
    [case $LT_AC_TAGVAR(lt_compil_static, $1) in
        "" | "")
        $LT_AC_TAGVAR(lt_compil_static, $1)="$LT_AC_TAGVAR(lt_compil_pic, $1)"
        esac,
    $LT_AC_TAGVAR(lt_compil_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])]
    AC_MSG_CHECKING([whether the $compiler linker ($LD) supports shared libraries])
    ifelse([$1],[CXX],[
        $LT_AC_TAGVAR(lt_cv_compil_pic, $1),
        [case $LT_AC_TAGVAR(lt_compil_can_build_shared, $1) in
            "" | "")
            $LT_AC_TAGVAR(lt_compil_can_build_shared, $1)=no)
        [%]
        $LT_AC_TAGVAR(lt_compil_can_build_shared, $1)=
    ]
)
_LT_AC_TAGVAR(export_symbols_cmds, $1)="$NM $libobjs $convenience | $global_symbol_pipe | $SED "s/.*//" | sort | uniq > $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 $convenience | awk '{ if ((([$S][2] == "T") || ([S][2] == "B") && ([substr]([S][3],1,1) != ".")) { print [S][3] } }" | sort -u > $export_symbols'
    else
      _LT_AC_TAGVAR(export_symbols_cmds, $1)='$NM -BCpg $libobjs $convenience | awk '{ if ((([$S][2] == "T") || ([S][2] == "D") || ([S][2] == "B") && ([substr]([S][3],1,1) != ".")) { print [S][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 's/.*//" | sort | uniq > $export_symbols"
  ;;
  esac

runpath_var= '
  _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(archive_expsyms_cmds, $1)= 
  _LT_AC_TAGVAR(old_archive_From_new_cmds, $1)= 
  _LT_AC_TAGVAR(old_archive_from_expsyms_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(module_expsym_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/.*\n\n" 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.

LT_AC_TAGVAR(exclude_expsyms, $1)=[_GLOBAL_OFFSET_TABLE_[_GLOBAL__F[ID|_.*]

# Just being paranoid about ensuring that cc_basename is set.
LT_CC_BASENAME([$compiler])
case $host_os in
cygwin* | mingw* | pw32*)
  # FIXME: the MSVC++ port hasn't been tested in a looong time
  # When not using gcc, we currently assume that we are using
  # Microsoft Visual C++.
  if test "$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, $1)="$wlarc" --whole-archive convenience "$wlarc" --no-whole-archive"
else
    _LT_AC_TAGVAR(whole_archive_flag_spec, $1)=
fi

supports_anon_versioning=no

case "$LD -v 2>/dev/null" in
    *\[[01].* | *\[2.\[0-9].* | *\[2.10.]* \) ;; # catch versions < 2.11
    *\[2.11.93.0.2 *) supports_anon_versioning=yes ;; # RH7.3 ...
    *\[2.11.92.0.12 *) supports_anon_versioning=yes ;; # Mandrake 8.2 ...
    *\[2.11.*) ;; # other 2.11 versions
    *) supports_anon_versioning=yes ;;
esae

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 ~Secho " #define NAME $libname"

# 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.

```bash
_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'
  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 "^/\[[BCDGRS]\]\[[ ]/\[[ ](\[^[ ])*\]/\\[DATA/\' -e \"^/\[[AIWT]\]\[[ ]/\[[ ]/\" | sort | uniq > $export_symbols'

  if $LD --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 $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, $1)='if test "x$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 $wl--enable-auto-image-base -Xlinker --out-implib -Xlinker $lib'
  else
    _LT_AC_TAGVAR(ld_shlibs, $1)=no
    fi
  ;;
```
interix[[3-9]]*)
  _LT_AC_TAGVAR(hardcode_direct, $1)=no
  _LT_AC_TAGVAR(hardcode_shlibpath_var, $1)=no
  _LT_AC_TAGVAR(hardcode_libdir_flagspec, $1)="$wl-rpath,$libdir"
  _LT_AC_TAGVAR(export_dynamic_flagspec, $1)="${wl}-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 ${wl}-h,$soname \$(wl)-image-base,\$expr \$(RANDOM-$$$) \% 4096 / 2 \* 262144 + 1342177280' -o $lib'
  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $pic_flag $libobjs $deplibs $compiler_flags ${wl}-h,$soname \$(wl)-retain-symbols-file,$output_objdir/$soname.expsym \$wl-262144 + 1342177280' -o $lib'
  "
  GNU* | Linux* | K*BSD*-GNU)
    if $LD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
      tmp_addflag= case $cc_basename,$host_cpu in
        pgcc*)
          # Portland Group C compiler
          _LT_AC_TAGVAR(whole_archive_flagspec, $1)="$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_flagspec, $1)="$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=' $pic_flag -Mnomain' '';
          ifc* | ifort*)
            # Intel Fortran compiler
            tmp_addflag=' -i_dynamic -nofor_main' '';
          esac
        esac
      esac
      case "$CC -V 2>&1 | sed 5q" in
        *Sun/C*)
          # Sun C 5.9
          _LT_AC_TAGVAR(whole_archive_flagspec, $1)="$wl--whole-archive\"new_convenience\"=; 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
          esac
    esac
  esac
"
tmp_sharedflag='-G' ;;
*)
tmp_sharedflag='shared' ;;
esac
_LT_AC_TAGVAR(archive_cmds, $1)="$CC "$tmp_sharedflag""$tmp_addflag" $libobjs $deplibs $compiler_flags $wl-sname $wl$soname $wl$export_symbols -o $lib"

if test $supports_anon_versioning = yes; then
  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$echo " [ global:" > $output_objdir/$libname.ver~
  cat $export_symbols | sed -e "s/\([^/\n]+/\1/" >> $output_objdir/$libname.ver~
  $echo "local: *; };" >> $output_objdir/$libname.ver~
  $CC "$tmp_sharedflag""$tmp_addflag" $libobjs $deplibs $compiler_flags $wl-sname $wl$soname $wl-version-script $wl$output_objdir/$libname.ver -o $lib"
fi
else
  _LT_AC_TAGVAR(ld_shlibs, $1)=no
fi

netbsd*)
  if echo __ELF__ | $CC -E - | grep __ELF__ >/dev/null; then
    _LT_AC_TAGVAR(archive_cmds, $1)="$LD -Bshareable $libobjs $deplibs $linker_flags -o $lib"
  else
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags $wl-sname -o $lib"
  fi

solaris*)
  if SLD -v 2>&1 | grep 'BFD 2\.[0-9]' > /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
    else
      _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags $wl-sname $wl$soname $wl$export_symbols -o $lib"
    fi

EOF
  elif SLD --help 2>&1 | grep ': supported targets:.* elf' > /dev/null; then
    _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags $wl-sname -o $lib"
  fi

  _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags $wl-sname -o $lib"
$wl$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, $1)="test -z "$SCOABSPATH" && echo ${wl}-rpath,$libdir"
   _LT_AC_TAGVAR(archive_cmds, $1)="$CC -shared $libobjs $deplibs $compiler_flags ${wl}-soname,${SCOABSPTH:+$install_libdir}$/soname -o $lib'
   _LT_AC_TAGVAR(archive_expsym_cmds, $1)="/CC -shared $libobjs $deplibs $compiler_flags $wl-soname,${SCOABSPTH:+$install_libdir}$/soname,retain-symbols-file,$export_symbols -o $lib'
   else
   _LT_AC_TAGVAR(ld_shlibs, $1)=no
   fi
   ;;
   esac
   ;;

   sunos4*)
   _LT_AC_TAGVAR(archive_cmds, $1)="/SLD -assert pure-text -Bshareable -o $lib $libobjs $deplibs
   $lib$soname $wl$soname $wl-retain-symbols-file $wl$export_symbols -o $lib'
   _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)="/SCC -shared $libobjs $deplibs $compiler_flags $wl-soname
   $wl$soname -o $lib'
   _LT_AC_TAGVAR(archive_expsym_cmds, $1)=="/SCC -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
::
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
      # are no directories specified by -L.
      _LT_AC_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.
        _LT_AC_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 2>&1 | grep 'GNU' > /dev/null; then
          _LT_AC_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
          _LT_AC_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
      fi
  # 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
      # are no directories specified by -L.
      _LT_AC_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.
        _LT_AC_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 2>&1 | grep 'GNU' > /dev/null; then
          _LT_AC_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
          _LT_AC_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
      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.[0-9]*|aix4.[0-9].*)
    for ld_flag in $LDFLAGS; do
      if (test $ld_flag = "-brtl" || test $ld_flag = ":Wl,-brtl"); then
        aix_use_runtimelinking=yes
        break
      fi
    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-toc 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 $host_os in
  aix4.[0-9]*|aix4.[0-9].*)
  # We only want to do this on AIX 4.2 and lower, the check
  # below for broken collect2 doesn't work under 4.3+
  collect2name='${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'
  fi
  ;;
esac


if test "aix_use_runtimelinking" = yes; then
    shared_flag="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 -W1,-G. The following line is correct:
        shared_flag='G'
    else
        if test "aix_use_runtimelinking" = yes; then
            shared_flag='G'
        else
            shared_flag='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 "aix_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, $1)="-blibpath:$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 $shared_flag"
    else :: fi
    """$[wl]$exp_sym_flag:export_symbols"
else
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)="-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, $1)="-blibpath:$libdir:""aix_libpath"
    # Warning - without using the other runtime 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}-bnoentry $compiler_flags {wl}-bE:$export_symbols{allow_undefined_flag}~$AR $AR_FLAGS
 $output_objdir/$libname$release.a $output_objdir/$soname'
fi
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

bsdi[]*)
LT_AC_TAGVAR(export_dynamic_flag_spec, $1)= -rdynamic

;c

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 $libobjs Scompiler_flags 'echo "$deplibs" | SSED -e \"s/\-lc$/\-W/\" -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'
_廖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]"
_廖AC_TAGVAR(module_cmds, $1)="$CC $allow_undefined_flag -o $lib -bundle $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
_廖AC_TAGVAR(archive_expsym_cmds, $1)="sed 's,^,_,' < $export_symbols > $output_objdir/${libname}-symbols.expsym~$CC -dynamiclib $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
_廖AC_TAGVAR(module_expsym_cmds, $1)="sed 's,^,_,' < $export_symbols > $output_objdir/${libname}-symbols.expsym~$CC -dynamiclib $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
else
  case $cc_basename in
    xlc*)
output_verbose_link_cmd='echo'
_廖AC_TAGVAR(archive_cmds, $1)="$CC -qmkshrobj $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags $wl-install_name $wl'echo $rpath/$soname' $xlcverstring' $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
_廖AC_TAGVAR(module_cmds, $1)="$CC $allow_undefined_flag -o $lib -bundle $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
  esac
fi
else
  case $cc_basename in
    xlc*)
output_verbose_link_cmd='echo'
_廖AC_TAGVAR(archive_cmds, $1)="$CC -qmkshrobj $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags $wl-install_name $wl'echo $rpath/$soname' $xlcverstring' $allow_undefined_flag -o $lib $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
_廖AC_TAGVAR(module_cmds, $1)="$CC $allow_undefined_flag -o $lib -bundle $libobjs $deplibs $compiler_flags$[lt_dsymutil]"
  esac
fi
dgux*)
  _LT_AC_TAGVAR(archive_cmds, $1)=$LD -G -h $soname -o $lib $libobjs $deplib $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 $deplib $linker_flags
  /usr/lib/c++rt0.o'
  _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
  ;;

  # Unfortunately, older versions of FreeBSD 2 do not have this feature.
  freebsd2*)
  _LT_AC_TAGVAR(archive_cmds, $1)=$LD -Bshareable -o $lib $libobjs $deplib $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* | dragonfly*)
  _LT_AC_TAGVAR(archive_cmds, $1)=CC -shared -o $lib $libobjs $deplib $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
  ;;

  hpux9*)
  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 $lib $deplib $compiler_flags -test $output_objdir/soname = $lib || mv $output_objdir/soname $lib'
  else
    _LT_AC_TAGVAR(archive_cmds, $1)=$rm $output_objdir/soname -S LD -b +b $install_libdir -o $output_objdir/soname $lib $deplib $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)=:
_LT_AC_TAGVAR(hardcode_direct, $1)=yes

# 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
_LT_AC_TAGVAR(export_dynamic_flag_spec, $1)='\$\{wl\}\-E'

;

hpux10*)
  if test "$GCC" = yes -a "$with_gnu ld" = no; then
    _LT_AC_TAGVAR(archive_cmds, $1)="\$CC -shared -fPIC \$\{wl\}+h \$\{wl\}$soname \$\{wl\}+b \$\{wl\}$install_libdir
-\$\{wl\}lib $\{wl\}$install_libdir -o $\{wl\}lib $\{wl\}$install_libdir
-\$\{wl\}$slibobjs $\{wl\}$sdeplibs $\{wl\}$scompiler_flags"
      else
    _LT_AC_TAGVAR(archive_cmds, $1)="\$LD -\$\{wl\}lib -b +h $\{wl\}$soname +b $\{wl\}$install_libdir
-\$\{wl\}lib $\{wl\}$install_libdir -o $\{wl\}lib $\{wl\}$slibobjs $\{wl\}$sdeplibs
$\{wl\}$slinker_flags"
      fi
  else
    _LT_AC_TAGVAR(archive_cmds, $1)="\$LD -b +h $\{wl\}$soname +b $\{wl\}$install_libdir
-\$\{wl\}lib $\{wl\}$install_libdir -o $\{wl\}lib $\{wl\}$slibobjs $\{wl\}$sdeplibs
$\{wl\}$slinker_flags"
    fi
  fi
  if test "$GCC" = yes -a "$with_gnu ld" = no; then
    _LT_AC_TAGVAR(hardcode_libdir_flag_spec, $1)='\$\{wl\}+b \$\{wl\}$libdir'
    _LT_AC_TAGVAR(hardcode_libdir_separator, $1)=:
    _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
  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 $\{wl\}$slibobjs $\{wl\}$sdeplibs
$\{wl\}$scompiler_flags"
          ::
      ia64*)
        _LT_AC_TAGVAR(archive_cmds, $1)="\$CC -shared \$\{wl\}+h \$\{wl\}$soname \$\{wl\}+nodefaultpath -o $\{wl\}$slibobjs $\{wl\}$sdeplibs $\{wl\}$scompiler_flags"
          ::
      *)
        _LT_AC_TAGVAR(archive_cmds, $1)="\$CC -shared -fPIC \$\{wl\}+h \$\{wl\}$soname \$\{wl\}+b
$\{wl\}$install_libdir -o $\{wl\}$slibobjs $\{wl\}$sdeplibs $\{wl\}$scompiler_flags"
          ::
    esac
  esac
  case $\{host_cpu\} in
    hppa*64*)
      _LT_AC_TAGVAR(archive_cmds, $1)="\$CC -shared \$\{wl\}+h \$\{wl\}$soname -o $\{wl\}$slibobjs $\{wl\}$sdeplibs
$\{wl\}$scompiler_flags"
        ::
    ia64*)
      _LT_AC_TAGVAR(archive_cmds, $1)="\$CC -shared \$\{wl\}+h \$\{wl\}$soname \$\{wl\}+nodefaultpath -o $\{wl\}$slibobjs $\{wl\}$sdeplibs $\{wl\}$scompiler_flags"
        ::
    *)
      _LT_AC_TAGVAR(archive_cmds, $1)="\$CC -shared -fPIC \$\{wl\}+h \$\{wl\}$soname \$\{wl\}+b
$\{wl\}$install_libdir -o $\{wl\}$slibobjs $\{wl\}$sdeplibs $\{wl\}$scompiler_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}+nodefaultpath -o $lib $libobjs $deplibs $compiler_flags"
      ;;
    *)
      _LT_AC_TAGVAR(archive_cmds, $1)="$CC -b ${wl}+h ${wl}${soname} ${wl}+b ${wl}$install_libdir -o $lib $libobjs $deplibs $compiler_flags"
      ;;
    esac
    fi
  esac
  if test "$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*)
        _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'
      esac
  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 $wl$soname $wl$output_objdir}/so_locations -o $lib"
  else
    _LT_AC_TAGVAR(archive_cmds, $1)="$LD -shared $libobjs $deplibs $linker_flags -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $wl$output_objdir}/so_locations -o $lib"
  esac
fi

# hardcode_minus_L: Not really in the search PATH,
# but as the default location of the library.
_LT_AC_TAGVAR(hardcode_minus_L, $1)="$wl-E"

# hardcode_minus_L: Not really in the search PATH,
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)="Secho "LIBRARY $libname INITINSTANCE" > $output_objdir/$libname.def-$Secho "DESCRIPTION "$libname"
  _LT_AC_TAGVAR(old_archive_From_new_cmds, $1)="emximp -o $output_objdir/$libname.a $output_objdir/$libname.def"

osf3*)
  if test "$GCC" = yes; then
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='${wl}-expect_unresolved ${wl}\*'
    _LT_AC_TAGVAR(archive_cmds, $1)='${wl}$CC -shared${allow_undefined_flag} $Libobjs $Sdeplibs $Scompiler_flags $wl}-soname $wl}$soname 'test -n "$verstring" && echo ${wl}-set_version $wl}$verstring' $wl} -update_registry $wl}$wl}[$output_objdir]/so_locations -o $Lib'
    else
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='-expect_unresolved \*'
    _LT_AC_TAGVAR(archive_cmds, $1)='${wl}$LD -shared${allow_undefined_flag} $Libobjs $Sdeplibs $Slinker_flags -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $wl}${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)=:
  fi

osf4* | osf5*)
# as osf3* with the addition of -msym flag
  if test "$GCC" = yes; then
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='${wl}-expect_unresolved $wl}^\*
    _LT_AC_TAGVAR(archive_cmds, $1)='${wl}$CC -shared${allow_undefined_flag} $Libobjs $Sdeplibs $Scompiler_flags $wl}-msym $wl}$soname 'test -n "$verstring" && echo $wl} -set_version $wl}$verstring' $wl} -update_registry $wl}${output_objdir}/so_locations -o $Lib'
    else
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='-expect_unresolved \*'
    _LT_AC_TAGVAR(archive_cmds, $1)='${wl}$LD -shared${allow_undefined_flag} $Libobjs $Sdeplibs $Slinker_flags -msym -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $wl}${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)=:
    ;;

os4* | os5*)
# as osf3* with the addition of -msym flag
  if test "$GCC" = yes; then
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='${wl}-expect_unresolved $wl}^\*
    _LT_AC_TAGVAR(archive_cmds, $1)='${wl}$CC -shared${allow_undefined_flag} $Libobjs $Sdeplibs $Scompiler_flags $wl}-msym $wl}$soname 'test -n "$verstring" && echo $wl} -set_version $wl}$verstring' $wl} -update_registry $wl}${output_objdir}/so_locations -o $Lib'
    else
    _LT_AC_TAGVAR(allow_undefined_flag, $1)='-expect_unresolved \*'
    _LT_AC_TAGVAR(archive_cmds, $1)='${wl}$LD -shared${allow_undefined_flag} $Libobjs $Sdeplibs $Slinker_flags -msym -soname $soname 'test -n "$verstring" && echo -set_version $verstring' -update_registry $wl}${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)=:
    ;;

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# 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_expsym_cmds, $1)="$echo '{ global:" > $lib.exp~cat $export_symbols | $SED -e "s/(\.*)/\1:/" >> $lib.exp~$echo "local: *; }" >> $lib.exp~
    $CC -shared ${wl}-M ${wl}$lib.exp ${wl}-h ${wl}$soname -o $lib $libobjs $deplibs $scomp_flags~$rm
    $lib.exp'"
else
    wlarc=""
    _LT_AC_TAGVAR(archive_cmds, $1)="$LD -G${allow_undefined_flag} -h $soname -o $lib $libobjs $deplibs
    $linker_flags"
    _LT_AC_TAGVAR(archive_expsym_cmds, $1)="$echo '{ global:" > $lib.exp~cat $export_symbols | $SED -e "s/(\.*)/\1:/" >> $lib.exp~$echo "local: *; }" >> $lib.exp~
    $LD -G${allow_undefined_flag} -M $lib.exp -h $soname -o $lib $libobjs $deplibs $slinker_flags~$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 $wl$soname $wl$deplibs $convenience $wl$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.

```bash
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

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 -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

;;

```
sysv4*uw2* | sysv5OpenUNIX* | sysv5UnixWare7.[[01]].[[10]]* | unixware7* | sco3.2v5.0.[[024]]*

```
/sysv4*uw2* | 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 "$GCC" = 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)='

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 ${wl}-h,${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'
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_shlibpath_var, $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|xyes)
  _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, $1)
        compiler_flags=-v
        linker_flags=-v
        verstring=
        output_objdir=
        libname=conftest
      fi
      fi
lt_save_allow_undefined_flag=${_LT_AC_TAGVAR(allow_undefined_flag, $1)}

_LT_AC_TAGVAR(allow_undefined_flag, $1)=
if AC_TRY_EVAL(_LT_AC_TAGVAR(archive_cmds, $1) 2>&1 \&1 \| grep -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
)

# __LT_AC_FILE_LTDLL__C
# -------------------
# Be careful that the start marker always follows a newline.
AC_DEFUN([__LT_AC_FILE_LTDLL__C], [
  /* ldlc starts here */
  #define WIN32_LEAN_AND_MEAN
  #include <windows.h>
  #undef WIN32_LEAN_AND_MEAN
  #include <stdio.h>
  #ifdef __CYGWIN__
  #  ifdef __CYGWIN32__
  #    define __CYGWIN__ __CYGWIN32__
  #  endif
  #endif
  #ifdef __cplusplus
  #  extern "C" {
  #    #ifndef __cplusplus
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 */
#endif

#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],

```bash
[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 $PATH
        IFS=$as_save_IFS
        test -z "as_dir" && as_dir=.
        for lt_ac_prog in sed gsed; do
            IFS=$as_save_IFS
            for ac_exec_ext in "$ac_executable_extensions"; do
                test -z "as_dir/$lt_ac_prog$ac_exec_ext" &&
                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$ac_exec_ext"
                fi
            done
            done
        done
    done
    IFS=$as_save_IFS
    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
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 >> conftest.nl
  $lt_ac_sed -e 's/a$//' < 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
    lt_cv_path_SED=$lt_ac_sed
  fi
done
done
)
SED=$lt_cv_path_SED
AC_SUBST([SED])
AC_MSG_RESULT([$SED])
)

#
# This file is free software; the Free Software Foundation
# gives unlimited permission to copy and/or distribute it,
# with or without modifications, as long as this notice is preserved.
#
# 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]).])
)

# _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]),
_AM_AUTOCONF_VERSION(AC_AUTOCONF_VERSION)])

# AM_AUX_DIR_EXPAND

"^- Autoconf -^-

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#
# For projects using AC_CONFIG_AUX_DIR([foo]), Autoconf sets
# $ac_aux_dir to '$srsdir/foo'. In other projects, it is set to
# '$srsdir', '$srdir/..', or '$srdir/./..'.
#
# Of course, Automake must honor this variable whenever it calls a
# tool from the auxiliary directory. The problem is that $srsdir (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
# $srsdir/$ac_aux_dir/missing
# fails if $ac_aux_dir is absolute,
# $srsdir/./../$ac_aux_dir
# fails when called from a subdirectory in a VPATH build with
# a relative $ac_aux_dir
#
# The reason of the latter failure is that $srsdir 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,
# if 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 CDPATH properly.
AC_PREREQ([2.50])dnl
# expand $ac_aux_dir to an absolute path
am_aux_dir='cd $ac_aux_dir && pwd'
}

# AM_CONDITIONAL                                            -*- Autoconf -*-
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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
# 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=],
  [$1], CXX, [depcc="SCXX" am_compiler_list=],
  [$1], OBJC, [depcc="SOBJC" am_compiler_list='gcc3 gcc'],
  [$1], UPC, [depcc="UPC" am_compiler_list=],
)
AC_CACHE_CHECK([dependency style of $depcc],
    [am_cv_$1_dependencies_compiler_type],
    [if test -z "$AMDEP_TRUE" && test -f "$am_decomp"; then
      # We make a subdir and do the tests there. Otherwise we can end up
      # making bogus files that we don't know about and never remove. For
      # instance it was reported that on HP-UX the gcc test will end up
      # making a dummy file named 'D' -- because '-MD' means 'put the output
      # in D'.
      mkdir conftest.dir
      # Copy decomp to subdir because otherwise we won't find it if we're
      # using a relative directory.
      cp "$am_decomp" 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_$1_dependencies_compiler_type=none
    fi
    for depmode in "$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 decomp 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 "confst$i.h"' >> sub/conftest.c
        # Using ': > sub/confst$i.h' creates only sub/confst1.h with
        # Solaris 8's /usr, /bin/sh.
        touch sub/confst$i.h
      done
      echo "${am__include} ${am__quote}sub/conftest.Po${am__quote}" > confmf
    done
    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

# 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 \
    $SHELL ./depcomp -c -o sub/conftest.$OBJEXT-o sub/conftest.c \
    >/dev/null 2>conftest.err &&
    grep sub/conftest1.h sub/conftest.Po > /dev/null 2>&1 &&
    grep sub/conftest6.h sub/conftest.Po > /dev/null 2>&1 &&
    grep sub/conftest.$OBJEXT-o sub/conftest.Po > /dev/null 2>&1 &&
    $[MAKE-make] -s -f confmfile > /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
else
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$enable_dependency_tracking" != xno; then
    am_depcmp="Sac_aux_dir/depcomp"
    AMDEPBACKSLASH="\"
fi
AM_CONDITIONAL([AMDEP], [test "x$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/:.*$/'"
    # Check whether this is an Automake generated Makefile or not.
    # We used to match only the files named 'Makefile.in', but
    # some people rename them; so instead we look at the file content.
    # Grep'ing the first line is not enough: some people post-process
    # each Makefile.in and add a new line on top of each file to say so.
# Grep'ing the whole file is not good either: AIX grep has a line
# limit of 2048, but all sed's we know have understand at least 4000.
if sed -n 's/^#.*/#.*generated by automake.*$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"'
# When using ansi2knr, U may be empty or an underscore; expand it
U='sed -n 's/^U = //p' < "$mf"'
# 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)$am__quote$\1/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"$AMDEP_TRUE" != x"" || _AM_OUTPUT_DEPENDENCY_COMMANDS],
    [AMDEP_TRUE="SAMDEP_TRUE" ac_aux_dir="$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([$2],
    [m4_ifval([$3], [^_AM_SET_OPTION([no-define])])dnl
    AC_SUBST([PACKAGE], [$1])dnl
    AC_SUBST([VERSION], [$2])dnl
    [^_AM_SET_OPTIONS([$1])dnl
dnl Diagnose old-style AC_INIT with new-style AM_AUTOMAKE_INIT.
m4_if(m4_ifdef([AC_PACKAGE_NAME], 1)m4_ifdef([AC_PACKAGE_VERSION], 1), 11,,
    [m4_fatal([AC_INIT should be called with package and version arguments])])dnl
AC_SUBST([PACKAGE], [^AC_PACKAGE_TARNAME])dnl
AC_SUBST([VERSION], [^AC_PACKAGE_VERSION])]
dnl
_AM_IF_OPTION([no-define],,
    [AC_DEFINE_UNQUOTED(PACKAGE, "$PACKAGE", [Name of package])
    AC_DEFINE_UNQUOTED(VERSION, "$VERSION", [Version number of package])])dnl

# Some tools Automake needs.
AC_REQUIRE([AM_SANITY_CHECK])dnl
AC_REQUIRE([AC_ARG_PROGRAM])dnl
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])dnl

# We need awk for the "check" target. The system "awk" is bad on some platforms.
AC_REQUIRE([AC_PROG_AWK])dnl
AC_REQUIRE([AC_PROG_MAKE_SET])dnl
AC_REQUIRE([AM_SET_LEADING_DOT])dnl
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# 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_header in
       $_am_arg | $_am_arg:* )
       break ;;
       *)
       _am_stamp_count='expr $_am_stamp_count + 1' ;;
     esac
done
  echo "timestamp for $_am_arg " >`AS_DIRNAME(["$_am_arg"])/stamp-h[$_am_stamp_count])

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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=.
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])

# Let's use a Bash-style if-statement for the sake of simplicity.
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
        am__quote="""
        _am_result=BSD
    fi
fi

AC_SUBST([am__include])
AC_SUBST([am__quote])
AC_MSG_RESULT([_am_result])
rm -f confinc confmf
}

# Fake the existence of programs that GNU maintainers use.  -*- Autoconf -*-

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# serial 5

# AM_MISSING_PROG(NAME, PROGRAM)
# -------------------------------
AC_DEFUN([AM_MISSING_PROG], [AC_REQUIRE([AM_MISSING_HAS_RUN])]

$1=${$1-"${am_missing_run}$2"}
#
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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 $srcdir/configure"; then  
        # If neither matched, then we have a broken ls. This can happen  
        # if, for instance, CONFIG_SHELL is bash and it inherits a  
        # broken ls alias from the environment. This has actually  
        # happened. Such a system could not be considered "sane".
        AC_MSG_ERROR([ls -t appears to fail. Make sure there is not a broken
        alias in your environment])
    fi
    test "$[2]" = conftest.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.                           -*- Autoconf -*-
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#
# 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 - "$$tardir"'; am__untar='${AMTAR} xf -'],
    [m4_case([$1], [ustar], [pax],,
        [m4_fatal([Unknown tar format])]])
AC_MSG_CHECKING([how to create a $1 tar archive])
# Loop over all known methods to create a tar archive until one works.
_am_tools='gnutar m4_if([$1], [ustar], [plaintar]) pax cpio none'
_am_tools=${am_cv_prog_tar_$1-$_am_tools}
# Do not fold the above two line into one, because Tru64 sh and
# Solaris sh will not grok spaces in the rhs of `-'.
for _am_tool in $_am_tools
    do
        case $_am_tool in
            gnutar)
                for _am_tar in tar gnutar gtar;
                    do
                        AM_RUN_LOG([$_am_tar --version]) && break
                    done
                am__tar="$_am_tar --format=m4_if([$1], [pax], [posix], [$1]) -chf - ""$$tardir"
                am__tar_='$_am_tar --format=m4_if([$1], [pax], [posix], [$1]) -chf - ""$$tardir"
                am__untar="$_am_tar -xf -"
                ;;
            plaintar)
                # Must skip GNU tar: if it does not support --format= it doesn't create
                # ustar tarball either.
                (tar --version) >/dev/null 2>&1 && l && continue
                am__tar='tar chf - "$$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'
                ;;
            none)
                am__tar=false
                am__tar_=false
    done

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])
)

#!/bin/sh
# Common stub for a few missing GNU programs while installing.

scriptversion=2003-09-02.23

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

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

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

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

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

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

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

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Glenn Randers-Pehrson  
glenrp at users.sourceforge.net  
March 29, 2012

1.176 libproxy 0.3.0 :10.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.)
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to
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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

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

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

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

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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.

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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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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for 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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1.185 libtasn1 2.3 :3.el6_2.1

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

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

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

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

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

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

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1.187 libtool 2.2.6 :15.5.el6

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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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^L

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% Send bug reports to bug-texinfo@gnu.org. Please include including a complete document in each bug report with which we can reproduce the problem. Patches are, of course, greatly appreciated.
To process a Texinfo manual with TeX, it's most reliable to use the texi2dvi shell script that comes with the distribution. For a simple manual foo.texi, however, you can get away with this:

```
  tex foo.texi
  texindex foo.??
  tex foo.texi
  tex foo.texi
  dvips foo.dvi -o  # or whatever; this makes foo.ps.
```

The extra TeX runs get the cross-reference information correct. Sometimes one run after texindex suffices, and sometimes you need more than two; texi2dvi does it as many times as necessary.

It is possible to adapt texinfo.tex for other languages, to some extent. You can get the existing language-specific files from the full Texinfo distribution.

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

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

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

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

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:

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

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

When we speak of free software, we are referring to freedom of use,
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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
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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
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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 complete object files to the recipients, so that they can relink them with the library after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
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
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distribute.

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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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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.

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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"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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   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.
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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.)

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.

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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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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
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1.193 libX11 1.5.0 :Jun 1 2012 Alan Coopersmith

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1.194 libXau 1.0.6 :4.el6

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1.197 libXcursor 1.1.13
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1.200 libXfixes 5.0 :3.el6

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1.209 lm_sensors 3.1.1 :17.el6

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

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* 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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* GSS-API Programming Guide
* Part No: 816-1331-11
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Network Working Group  H. Krawczyk
Request for Comments: 2104  IBM
Category: Informational  M. Bellare
          UCSD
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          IBM
February 1997

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Appendix -- Sample Code

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1.221 man-pages-overrides 6.5.2 :1.el6

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END OF TERMS AND CONDITIONS

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

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Version 2, June 1991

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

Preamble

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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
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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
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included without limitation in the term "modification").
"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

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

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

    d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.
(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also compile or
link a "work that uses the Library" with the Library to produce a
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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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

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

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

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* Ported to Linux's Second Extended File System as part of the  
* dump and restore backup suit  
* Remy Card <card@Linux.EU.Org>, 1994-1997  
* Stelian Pop <stelian@popies.net>, 1999-2000  
* Stelian Pop <stelian@popies.net> - Alcôve <www.alcove.com>, 2000-2002  
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* imap_gssapi.c is partially derived from sample code in:
* GSS-API Programming Guide
* Part No: 816-1331-11
* Sun Microsystems, Inc. 4150 Network Circle Santa Clara, CA 95054 U.S.A.
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Network Working Group    H. Krawczyk
Request for Comments: 2104    IBM
Category: Informational     M. Bellare
    UCSD
    R. Canetti
    IBM
    February 1997

HMAC: Keyed-Hashing for Message Authentication

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Appendix -- Sample Code
==========================================================================

Parts of nss.c are derived from the Mozilla NSS 3.9.2 source,
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*
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*
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3. [3] Bernd Altmeier <altmeier@atilsoft.de> hopf Elektronik serial line and PCI-bus devices
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6. [7] Karl Berry <karl@owl.HQ.ileaf.com> syslog to file option
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8. [9] Marc Brett <Marc.Brett@westgeo.com> Magnavox GPS clock driver
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driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
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43. [47]Rainer Pruy <Rainer.Pruy@informatik.uni-erlangen.de> monitoring/trap scripts, statistics file handling
44. [48]Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
45. [49]Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
46. [50]Nick Sayer <nrapple@quack.kfu.com> SunOS streams modules
47. [51]Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/ subdirectory
48. [52]Ray Schnitzler <schnitz@unipress.com> Unixware1 port
49. [53]Michael Shields <shields@tembel.org> USNO clock driver
50. [54]Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
51. [55]Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeovar, various other bits (see the ChangeLog)
52. [56]Kenneth Stone <ken@sdd.hp.com> HP-UX port
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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1.249 OpenSSL patch to 0.9.8 branch to add RFC5649 (key wrap with pad) 1.0

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1.255 pam 1.1.1 :17.el6

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1.256 pam_modules+test 1.1.1 :17.el6

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Structure taken from pam_lastlogin by Andrew Morgan
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1.258 parted 2.1 :21.el6

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Written by: Philip Hazel
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------------------------------------------------------------------------

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

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

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

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

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

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

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

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

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

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

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

6. As an exception to the Sections above, you may also combine or
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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.

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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.

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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   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.

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under the terms of Sections 1 and 2 above provided that you accompany
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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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

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

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

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

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

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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.

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1.275 procps-libs 3.2.8 :25.el6

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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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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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1.279 pulseaudio 0.9.21 :14.el6_3

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-- Lennart Poettering, April 20th, 2006.

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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.

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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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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6,
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That's all there is to it!
1.281 python 2.6.6 :64.el6

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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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contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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

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

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

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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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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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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you
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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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1.298 rsyslog 5.8.10 :8.el6

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1.299 sblim-cmpi-base 1.6.1 :1.el6

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#
# Originally written by Per Bothner <per@bothner.com>.
# Please send patches to <config-patches@gnu.org>. Submit a context
# diff and a properly formatted ChangeLog entry.
#
# This script attempts to guess a canonical system name similar to
# config.sub. If it succeeds, it prints the system name on stdout, and
# exits with 0. Otherwise, it exits with 1.
#
# The plan is that this can be called by configure scripts if you
# don't specify an explicit build system type.

1.302 scl-utils 20120927 :8.el6

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2.2.0-b21

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1.311 shadow-utils 4.1.4.2 :13.el6

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1.312 shadow-utils_GPLv2 4.1.4.2 :13.el6

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1.316 smartmontools 5.43 :1.el6

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$Id$

1.322 Struts v1.2.8 1.2.8

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Jean-loup Gailly        Mark Adler
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Martin Toft
Chris Torek
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Robert Uhl
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1.324 sysstat 9.0.4 :22.el6

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v8BeBE0bdjeVmQHYRQfXgtx3J2q0b8x8Q5a/LCLVLh8k6DFGg8AfEbLDQWHi1JiXc
0JsaB8crR3M=
=0AMW
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(In alphabetical order)

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<th>Name</th>
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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 ********************/
/
* POSIX This system supports IEEE Std 1003.1-1988 (POSIX).
#undef TERMIO

/*
 * SYSVREL Your machine is SYSV based (HPUX, A/UX)
 * *NOTE: don't do this if you are on a Pyramid -- tsh 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 SYSVREL0

/*
 * 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 */

1.333 texinfo 4.13a :8.el6

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1.336 tog-pegasus 2.12.0

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# Make functions to manage the copyright license on Pegasus files. This is normally
# used to perform the regular file license text changes that are required by Pegasus.
#
# Includes targets to replace license text each year.
#
# The functions in this make file MAY NOT be portable to other Operating systems
# than Linux since its usage is limited and based on the bash shell syntax.
# Usage. See each target.
# Note that right now this make file can be used in conjunction with the script
# licensechange to change the majority of licenses in a single operation.

MAKEFILELIST="*Makefile Makefile.* *.mak BuildMakefile Makefile* Makefile*."

licenseupdate:
  @ - bash $(ROOT)/mak/licensechange

  # create the license for make files corresponding to the license for .cpp.
  # Prepends # to each line of the license.
  create-make-license:
    sed 's_//_#//_' $(PEGASUS_ROOT)/doc/license.txt >$(PEGASUS_ROOT)/doc/license.mak.txt

  # create the license for lexfiles files corresponding to the license for .cpp.
  # Surrounds the existing license with /& */ comments because Lex cannot handle the
  # // comments at the beginning of the .l file
  # This script prepends the first line with /* and postpends the last line with */
  create-lex-license:
    cp $(PEGASUS_ROOT)/doc/license.txt $(PEGASUS_ROOT)/doc/tmp1 | sed -e '1 s_//_/*//_' -e '$$ s_/*$$&*/_' >$(PEGASUS_ROOT)/doc/license.lex.txt

  # Strip the license text from each file in the current directory
  # removes the license text (all lines starting with the line containing
  # //% and ending with the line with "//=
  strip-license:
    mu strip //% /= *.h *.cpp
    mu strip \\
      \% // %= $(MAKEFILELIST)

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3983
# Prepend the license file to each file in the current directory
# used on any file with comments that begin with //
prepend-license:
  mu prepend $(ROOT)/doc/license.txt *.h *.cpp
  mu prepend $(ROOT)/doc/license.mak.txt $(MAKEFILELIST)

# Update the license for a single file. Can be used on any file
# that requires comments beginning with //. This will either replace
# existing license or install new license text
fix-code-license:
  mu strip //\%= $(FILENAME)
  mu prepend $(PEGASUS_ROOT)/doc/license.txt $(FILENAME)

# Update the license text for a single file using the makefile license
# Can be used on any file that requires comments beginning with #.
# Will either replace or install new license text.
fix-make-license:
  mu strip \\#//\%= $(FILENAME)
  mu prepend $(PEGASUS_ROOT)/doc/license.mak.txt $(FILENAME)

# Update the license text for a single file using the makefile license
# Can be used on any file that requires comments beginning with #.
# Will either replace or install new license text.
fix-lex-license:
  mu strip \\#//\%= $(FILENAME)
  mu prepend $(PEGASUS_ROOT)/doc/license.lex.txt $(FILENAME)

# Show files with old license
# Update with year of previous license (i.e. 2005)
show-old-licenses:
grep -r */%2005/

# Show Files with NO license
nolicense:
grep -r -L %2006 | grep -v CVS | grep -v ".log" | grep -v ".master" | grep -v ".cert" | grep -v ".xml" | grep -v ".key" | grep -v Unsupported | grep -v InterfaceArchive | grep -v Schema

1.337 traceroute 2.0.14 :2.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.)

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therefore falls outside the scope of this License.

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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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changing the library, is in some sense simply using the library, and is
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Because of this blurred distinction, using the ordinary General
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The remaining code was written by many people associated with the 
Info-ZIP group, with large contributions from (but not limited to): 
Greg Roelofs (overall program logic, ZipInfo, unshrink, filename 
mapping/portability, etc.), Mark Adler (inflate, explode, unzzip), 
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

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```
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```

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```
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========================================
Visual Studio - Vim Integration
========================================

Copyright (C) 1997 Heiko Erhardt

VisVim is a Visual Studio Add-In that allows Vim to be integrated
as the default text editor. It will be used instead of the Visual
Studio built-in editor when you double-click on a file or press F4
after compiling (it will go to the proper line in the Vim buffer).
The file can be loaded exclusively by Vim or additionally to the
builtin Visual Studio editor (this option can be set in the VisVim
configuration dialog inside Visual Studio).
Vim does not replace the Visual Studio editor, it still runs in its
own window.
VisVim is based upon VisEmacs by Christopher Payne
(Copyright (C) Christopher Payne 1997).

Author: Heiko Erhardt <Heiko.Erhardt@munich.netsurf.de>
Based upon: VisEmacs by Christopher Payne <payneca@sagian.com>
Version: 1.0
Created: 23 Oct 1997
Date: 23 Oct 1997

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Requirements
-------------

VisVim works with the *OLE-enabled* version of Vim version 5.0 and higher
only!!! You must download the extra archive containing the OLE-enabled
executable from your Vim download site. When building your own Vim
executable, use the if_ole_vc.mak makefile (Vim 5.1 and higher).
VisVim needs DevStudio 5.0 or higher. It does not work with DevStudio 4.2.

Installation
------------

1) Close running instances of DevStudio.

2) Copy VisVim.dll into a convenient directory like \vim,
   \vim\lib, or \vim\addin

3) Register the DLL using regsvr32.exe ... (Skip this on Windows 95/98)
   Example:
   > cd \vim\addin
   > regsvr32 VisVim.dll
   On NT, you should do this from an administrator account.
   Before installing a new version of VisVim you should unregister
   the old one using
   > regsvr32 -unregister VisVim.dll
   The batch files register.bat and unregister.bat can do that for you.
3a) If you didn't do this yet: Register the OLE gvim:
   > gvim -register

4) Start Visual Studio and go to:
   Tools
   Customize...
   Add-Ins and Macro Files

5) Click on Browse, and point Visual Studio to your VisVim.dll file.

6) Click the checkbox to indicate that you want to use the Add-In, and
   Close the Customize dialog box.

7) You should notice the VisVim Toolbar with the Vim Icon.
   Click the first item of the toolbar to get to the options dialog.

Compiling VisVim
----------------

Two Options:
1) Load the VisVim.mak file as a Workspace in Visual Studio and compile

2) Use the MSVC command line compiler:
   vcvars32
   nmake -f VisVim.mak

Using VisVim
-------------

The VisVim DLL exposes several functions to the user. These functions are
accessible using the toolbar or by assigning hotkeys to them (see below).
The following functions are visible on the toolbar (from left to right):

1. VisVim settings dialog
   The settings you adjust here will be saved in the registry and
   will be reloaded on program startup.

2. Enable Vim
   Enables Vim as Visual Studio editor. Control will be switched to Vim when:
   - Clicking a file in the file view
   - Clicking a compiler error message line
   - Using the 'File-Open' Dialog
   - Showing the current source line when encountering a debugger breakpoint.
   - Using File-New
3. Disable Vim
   The internal Visual Studio editor will be used to edit files.

4. Toggle enable state
   Toggles the enable state of VisVim. Use this function if you want to have
   one button only to activate/deactivate Vim.

5. Load current file in Vim
   Loads the file shown in the internal editor into Vim. Use this function if
   you want the internal editor to stay active and just edit one file in Vim.
   This command works always whether Vim is enabled as default editor or not.

You cannot use DevStudio's debugger commands from inside Vim, so you should
disable Vim before running the debugger.

You can customize the Vim toolbar itself or add the Vim buttons to other
toolbars.
To have fast access to the VisVim options dialog I suggest to create keyboard
shortcuts:

1) Choose
   Tools
   Customize...
   Keyboard

2) Choose Category:AddIns and Commands:VisVim.

3) Choose 'Main' as editor, enter each hotkey and press the Assign button.
   I suggest:
   - VisVimDialogCmd    Alt+Shift+V
   - VisVimEnableCmd    Alt+Shift+E
   - VisVimDisableCmd   Alt+Shift+D
   - VisVimToggleCmd    Alt+Shift+T
   - VisVimLoadCmd      Alt+Shift+G

4) Close the dialog

Now a typical debugging example:

Using "Alt+Shift+d" you turn off Vim before starting the debugger.
After hitting the breakpoint you single step through your application
using the internal source code editor and examine variables.
When you stumble across the line with the null pointer
assignment, just press "Alt+Shift+g", and correct the error in Vim.
Save the file, press Alt+Tab to return to DevStudio and press F7 to compile.
That's it.

Troubleshooting
---------------
1. When opening a file in DevStudio the file is opened in the DevStudio editor and immediately vanishes. No Vim shows up.
   Cause: Probably you don't have the OLE-enabled Vim or you didn't register it.
   Explanation: VisVim is notified by DevStudio if an 'open document' event occurs. It then closes the document in the internal editor and tries to start Vim. If Vim isn't properly OLE-registered, this won't work.
   Workaround: Download and install the OLE-enable version of Vim and execute "gvim -register".

2. Sometimes when clicking on a file, the file won't be opened by Vim but instead the Visual Studio editor comes up.
   Cause: The file was already loaded by the DevStudio editor.
   Explanation: VisVim works by hooks exposed by Visual Studio. Most of the functionality works from the OpenDocument hook. If a document is already loaded in the Visual Studio editor, no 'open document' event will be generated when clicking the file in the file list.
   Workaround: Close the document in Visual Studio first.

3. I can't get VisVim to work. Either the Vim toolbar does not appear at all or weird crashes happen.
   Cause: The Visual Studio installation is messed up.
   Explanation: I can't give you one. Ask MS.
   Workaround: Reinstall DevStudio (I know this is brute, but in some cases it helped). There was one case where the service pack 1 had to be installed, too.

4. If an instance of Vim is already running, VisVim will use that instance and not start a new one.
   Cause: This is proper OLE behaviour
   Explanation: Some call it a bug, some a feature. That's just the way OLE works.

5. When being in insert mode in Vim and selecting a file in Visual Studio, the Vim command :e ... is inserted as text instead of being executed.
   Cause: You probably know...
   Explanation: The Vim OLE automation interface interprets the VisVim commands as if they were typed in by the user. So if you're in insert mode Vim considers it to be text. I decided against sending an ESC before the command because it may cause a beep or at least a screen flash when noeb is set.
   Workaround: Get used to press ESC before switching to DevStudio.

6. I'm tired of VisVim but I can't get rid of it. I can't delete it in
Tools-Customize-Add-Ins.

Cause: You can't delete an item you once added to the add-ins list box.

Explanation: M$ just didn't put a 'delete' button in the dialog box. Unfortunately there is no DEL key accelerator as well...

Workaround: You can't kill it, but you can knock it out:
1. Uncheck the check box in front of 'Vim Developer Studio Add-in'.
3. Delete VisVim.dll or move it somewhere it can't be found.
5. Tools -> Customize ->Add-ins and Macro-Files.
6. A message appears:
   
   ".../VisVim.dll" "This add-in no longer exists. It will no longer be displayed."

That's it!

Change history
--------------

1.0a to 1.0
------------
- All settings in the VisVim dialog are remembered between DevStudio sessions by keeping them in the registry (HKEY_CURRENT>User\Software\Vim\VisVim).
- Added an option to do a :cd before opening the file (having a file opened by clicking it but finding out to be still in C:\Windows\system when trying to open another file by ":e" can be annoying). Change directory can be done to the source file's directory or it's parent directory.
- Added some explanations to the error message for the CO_E_CLASSSTRING error ("Use OLE Vim and make sure to register...").

1.0 to 1.1a
-----------
- The VisVim toolbar button now shows the new Vim icon instead of the old one.
- Made some changes to the documentation, added the troubleshooting chapter and ToDo list.
- File-New-* now invokes Vim instead of the builtin editor if enabled.

1.1 to 1.1b
----------
- Extended the VisVim toolbar to have multiple buttons instead of one.
- Moved the enable/disable commands from the settings dialog to the toolbar.
- Added the toggle enable/disable command
- Added the 'load current file' command.
1.1b to 1.2
----------

No new features, just some fine tuning:

- Changed the GUID of the VisVim OLE interface to avoid conflicts with a version of VisEmacs or VisVile on the same computer (Guy Gascoigne)
- Fixed a bug caused by a bug in the Developer Studio add-in code generator (Clark Morgan)
- Fixed a memory leak (Clark Morgan)
- Added an option in the VisVim dialog to prepend ESC before the first command that is sent to Vim. This will avoid inserting the command as text when Vim is still in insert mode.
- An :update command is sent to Vim before any other command to update the current file if it is modified, or else the following :cd or :e command will fail.

1.2 to 1.3a
----------

- Fixed a bug caused by a missing EnableModeless() function call in VimLoad(). This seems to reduce VisVim crashing DevStudio on some systems (it occasionally still seems to happen, but it's more stable now). (Vince Negri)
- Added support for the new CTRL-\CTRL-N command of Vim 5.4a. This prevents Vim from beeping when a VisVim command is executed an Vim is not in insert mode.

ToDo List
---------

P1 is highest priority, P10 lowest

P9 Switching to DevStudio using ALT-TAB may get annoying. Would be nice to have the option to map ActivateApplication("Visual Studio") in Vim. Vim DLLs would solve that problem.

P8 Execute :tag command in Vim for word under cursor in DevStudio

P7 Controlling the Visual Studio Debugger from inside Vim
See message above. Also a 'Debug' highlight group and a command to highlight a certain line would be necessary.

P6 Provide an option to open the current file in VisVim in Visual Studio editor
Same as above message. A kind of two way OLE automation would have to be established between VisVim and Vim. Also a 'Debug' highlight group and a
command to highlight a certain line would be necessary.

Known Problems
--------------
- Occasional memory corruptions in DevStudio may appear on some systems. Reinstalling DevStudio helped in some cases.
  The cause of these crashes is unclear; there is no way to debug this.
  Recompiling VisVim with DevStudio SP3 didn't help.
  I assume it's a problem deep inside the DevStudio add-in OLE interfaces.
  This will hopefully be fixed with DevStudio 6.

Have fun!

Heiko Erhardt
Heiko.Erhardt@munich.netsurf.de

*uganda.txt*   For Vim version 7.2.  Last change: 2008 Jun 21

VIM REFERENCE MANUAL   by Bram Moolenaar

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SUMMARY
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Vim is Charityware. You can use and copy it as much as you like, but you are encouraged to make a donation for needy children in Uganda. Please see |kcc| below or visit the ICCF web site, available at these URLs:

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http://www.vim.org/iccf/
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You can also sponsor the development of Vim. Vim sponsors can vote for features. See |sponsor|. The money goes to Uganda anyway.

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Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

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Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispenable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered.
Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre is co-sponsored and inspected by World Vision, Save the Children Fund and International Child Care Fund. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself in 1996, 1998, 2000, 2001 and 2003. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccfdonations*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA:The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.
Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children’s Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353

If you make a donation to Kibaale Children’s Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of “Stichting ICCF Holland” in Venlo. This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information:
http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): “Abraham Moolenaar”. Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See “Others” below for the swift code and IBAN number.

Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

- Postbank, account 4548774
- Swift code: INGB NL 2A
- IBAN: NL47 PSTB 0004 5487 74
under the name "stichting ICCF Holland", Venlo
If that doesn't work:
Rabobank Venlo, account 3765.05.117
Swift code: RABO NL 2U
under the name "Bram Moolenaar", Venlo
Otherwise, send a check in euro or US dollars to the address
below. Minimal amount: $70 (my bank does not accept smaller
amounts for foreign check, sorry)

Address to send checks to:
stichting ICCF Holland
Bram Moolenaar
Finsterruethof 1
8134 Adliswil
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:noml:
" netrw.vim: Handles file transfer and remote directory listing across
" AUTOLOAD SECTION
" Date: Oct 23, 2008
" Version: 134
" Maintainer: Charles E Campbell, Jr <NdrOchip@ScampbellPfamily.AbizM-NOSPAM>
" GetLatestVimScripts: 1075 1 :AutoInstall: netrw.vim
" Copyright: Copyright (C) 1999-2008 Charles E. Campbell, Jr. {{{1
" Permission is hereby granted to use and distribute this code,
" with or without modifications, provided that this copyright
" notice is copied with it. Like anything else that's free,
" netrw.vim, netrwPlugin.vim, and netrwSettings.vim are provided
" *as is* and come with no warranty of any kind, either
" expressed or implied. By using this plugin, you agree that
" in no event will the copyright holder be liable for any damages
" resulting from the use of this software.
"redraw!|call DechoSep()|call inputsave()|call input("Press <cr> to continue")|call inputrestore()
"
" But be doers of the Word, and not only hearers, deluding your own selves {{{1
" (James 1:22 RSV)
" Load Once: {{{1
if &cp || exists("g:loaded_netrw")
finish
endif
let g:loaded_netrw = "v134"
if v:version < 702
echohl WarningMsg
echo "***warning*** this version of netrw needs vim 7.2"
echohl Normal
finish
endif
if !exists("s:NOTE")
let s:NOTE = 0
let s:WARNING = 1
let s:ERROR = 2
endif

" sanity checks
if v:version < 700
call netrw#ErrorMsg(s:WARNING,"you need vim version 7.0 or later for version ".g:loaded_netrw." of netrw",1)
finish
endif

let s:keepcpo = &cpo
setlocal cpo &vim
"DechoTabOn
"call Decho("doing autoload/netrw.vim version ",:g:loaded_netrw)

" ======================================================================
" Netrw Variables: {{1
" ======================================================================

" ======================================================================
" Netrw Constants: {{2
if !exists("g:netrw_dirhist_cnt")
let g:netrw_dirhist_cnt = 0
endif
if !exists("s:LONGLIST")
let s:THINLIST = 0
let s:LONGLIST = 1
let s:WIDELIST = 2
let s:TREELIST = 3
let s:MAXLIST = 4
endif

" ======================================================================
" Default values for netrw's global protocol variables {{2
if !exists("g:netrw_dav_cmd")
if executable("cadaver")
    let g:netrw_dav_cmd = "cadaver"
elseif executable("curl")
    let g:netrw_dav_cmd = "curl"
else
    let g:netrw_dav_cmd = ""
endif
endif
if !exists("g:netrw_fetch_cmd")
if executable("fetch")
let g:netrw_fetch_cmd = "fetch -o"
else
let g:netrw_fetch_cmd = ""
endif
endif
if !exists("g:netrw_ftp_cmd")
let g:netrw_ftp_cmd = "ftp"
endif
if !exists("g:netrw_http_cmd")
if executable("elinks")
let g:netrw_http_cmd = "elinks"
if !exists("g:netrw_http_xcmd")
let g:netrw_http_xcmd = "-dump >"
endif
elseif executable("links")
let g:netrw_http_cmd = "links"
if !exists("g:netrw_http_xcmd")
let g:netrw_http_xcmd = "-dump >"
endif
elseif executable("curl")
let g:netrw_http_cmd = "curl"
if !exists("g:netrw_http_xcmd")
let g:netrw_http_xcmd = "-o"
endif
elseif executable("wget")
let g:netrw_http_cmd = "wget"
if !exists("g:netrw_http_xcmd")
let g:netrw_http_xcmd = "-q -O"
endif
elseif executable("fetch")
let g:netrw_http_cmd = "fetch"
if !exists("g:netrw_http_xcmd")
let g:netrw_http_xcmd = "-o"
endif
else
let g:netrw_http_cmd = ""
endif
endif
if !exists("g:netrw_rcp_cmd")
let g:netrw_rcp_cmd = "rcp"
endif
if !exists("g:netrw_rsync_cmd")
let g:netrw_rsync_cmd = "rsync"
endif
if !exists("g:netrw_scp_cmd")
let g:netrw_scp_cmd = "scp -q"
endif
if !exists("g:netrw_sftp_cmd")
let g:netrw_sftp_cmd = "sftp"
endif
if !exists("g:netrw_ssh_cmd")
let g:netrw_ssh_cmd = "ssh"
endif

if (has("win32") || has("win95") || has("win64") || has("win16"))
  \&& existst("g:netrw_use_nt_rcp")
  \&& g:netrw_use_nt_rcp
  \&& executable($SystemRoot'/system32/rcp.exe')
let s:netrw_has_nt_rcp = 1
let s:netrw_rcpmode = '-b'
else
let s:netrw_has_nt_rcp = 0
let s:netrw_rcpmode = ""
endif

" Default values for netrw's global variables {{{2
" Cygwin Detection ------- {{{3
if !exists("g:netrw_cygwin")
if has("win32") || has("win95") || has("win64") || has("win16")
  if &shell =~ '(%(\<bash\>\|\<zsh\>\|%\(\.<exe\>\)=)S'
    let g:netrw_cygwin= 1
  else
    let g:netrw_cygwin= 0
  endif
else
  let g:netrw_cygwin= 0
endif
endif
" Default values - a-c ---------- {{{3
if !exists("g:netrw_alto")
let g:netrw_alto= &sb
endif
if !exists("g:netrw_altv")
let g:netrw_altv= &spr
endif
if !exists("g:netrw_browse_split")
let g:netrw_browse_split= 0
endif
if !exists("g:netrw_chgwin")
let g:netrw_chgwin = -1
endif
if !exists("g:netrw_compress")
let g:netrw_compress= "gzip"
endif
if !exists("g:netrw_etcags")
let g:netrw_ctags = "ctags"
endif
if !exists("g:netrw_cursorline")
let g:netrw_cursorline = 1
let s:netrw_usercul = &cursorline
let s:netrw_usercuc = &cursorcolumn
endif
" Default values - d-g -------------- {{3
if !exists("g:netrw_dirhist_cnt")
let g:netrw_dirhist_cnt = 0
endif
if !exists("g:netrw_decompress")
let g:netrw_decompress = { ".gz": "gunzip", ".bz2": "bunzip2", ".zip": "unzip", ".tar": "tar -xf" }
endif
if !exists("g:netrw_dirhistmax")
let g:netrw_dirhistmax = 10
endif
if !exists("g:netrw_fastbrowse")
let g:netrw_fastbrowse = 1
endif
if !exists("g:netrw_ftp_browser_reject")
let g:netrw_ftp_browser_reject = "^total \d+\d+$|^Trying \d+.*|^KERBEROS_V\d rejected|^Security extensions not\}|No such file\}: connect to address [0-9a-fA-F:]*: No route to host$"
endif
if !exists("g:netrw_ftp_list_cmd")
if has("unix") || (exists("g:netrw_cygwin") && g:netrw_cygwin)
let g:netrw_ftp_list_cmd = "ls -lF"
let g:netrw_ftp_timelist_cmd = "ls -tlF"
let g:netrw_ftp_sizelist_cmd = "ls -slF"
else
let g:netrw_ftp_list_cmd = "dir"
let g:netrw_ftp_timelist_cmd = "dir"
let g:netrw_ftp_sizelist_cmd = "dir"
endif
endif
if !exists("g:netrw_ftpmode")
let g:netrw_ftpmode = "binary"
endif
" Default values - h-lh -------------- {{3
if !exists("g:netrw_hide")
let g:netrw_hide = 1
endif
if !exists("g:netrw_ignorenetrc")
if &shell =~ 'c<(cmd|4nt).exe$'
let g:netrw_ignorenetrc = 1
else
let g:netrw_ignorenetrc = 0
endif
endif
if !exists("g:netrw_keepdir")
let g:netrw_keepdir= 1
endif
if !exists("g:netrw_list_cmd")
if g:netrw_scp_cmd =~ '^pscp' && executable("pscp")
  " provide a 'pscp' listing command
  if (has("win32") || has("win95") || has("win64") || has("win16")) && filereadable("c:\private.ppk")
    let g:netrw_scp_cmd ="pscp -i C:\private.ppk"
  endif
let g:netrw_list_cmd= g:netrw_scp_cmd." -ls USEPORT HOSTNAME:"
elseif executable(g:netrw_ssh_cmd)
  " provide a default listing command
let g:netrw_list_cmd= g:netrw_ssh_cmd." USEPORT HOSTNAME ls -FLa"
else
  " call Decho(g:netrw_ssh_cmd," is not executable")
let g:netrw_list_cmd= ""
endif
endif
if !exists("g:netrw_list_hide")
let g:netrw_list_hide= ""
endif
" Default values - lh-lz ----------- {{3
if !exists("g:netrw_localcopycmd")
if has("win32") || has("win95") || has("win64") || has("win16")
  if g:netrw_cygwin
    let g:netrw_localcopycmd= "cp"
  else
    let g:netrw_localcopycmd= "copy"
  endif
elseif has("unix") || has("macunix")
  let g:netrw_localcopycmd= "cp"
else
  let g:netrw_localcopycmd= ""
endif
endif
if !exists("g:netrw_local_mkdir")
let g:netrw_local_mkdir= "mkdir"
endif
if !exists("g:netrw_localmovecmd")
if has("win32") || has("win95") || has("win64") || has("win16")
  if g:netrw_cygwin
    let g:netrw_localmovecmd= "mv"
  else
    let g:netrw_localmovecmd= "move"
  endif
elseif has("unix") || has("macunix")
  let g:netrw_localmovecmd= "mv"
else
  let g:netrw_localmovecmd= ""
endif
endif
if !exists("g:netrw_local_rmdir")
let g:netrw_local_rmdir= "rmdir"
endif
if !exists("g:netrw_liststyle")
let g:netrw_liststyle= s:THINLIST
endif
if g:netrw_liststyle < 0 || g:netrw_liststyle >= s:MAXLIST
  " sanity check
let g:netrw_liststyle= s:THINLIST
endif
if g:netrw_liststyle == s:LONGLIST && g:netrw_scp_cmd !~ '^pscp'
let g:netrw_list_cmd= g:netrw_list_cmd." -l"
endif
  " Default values - m-r ---------- {{{3
if !exists("g:netrw_markfileesc")
let g:netrw_markfileesc= '*./[~'
endif
if !exists("g:netrw_maxfilenamelen")
let g:netrw_maxfilenamelen= 32
endif
if !exists("g:netrw_menu")
let g:netrw_menu= 1
endif
if !exists("g:netrw_mkdir_cmd")
let g:netrw_mkdir_cmd= g:netrw_ssh_cmd." USEPORT HOSTNAME mkdir"
endif
if !exists("g:netrw_mousemaps")
if exists("&mouse") && &mouse =~ '[anh]' 
  let g:netrw_mousemaps= 1
else
  let g:netrw_mousemaps= 0
endif
endif
if !exists("g:netrw_retmap")
let g:netrw_retmap= 0
endif
if !exists("g:netrw_preview")
let g:netrw_preview= 0
endif
if !exists("g:netrw_scpport")
let g:netrw_scpport= "-P"
endif
if !exists("g:netrw_sshport")
let g:netrw_sshport= "-p"
endif
if !exists("g:netrw_rename_cmd")
let g:netrw_rename_cmd= g:netrw_ssh_cmd." USEPORT HOSTNAME mv"
endif
if !exists("g:netrw_rm_cmd")
let g:netrw_rm_cmd = g:netrw_ssh_cmd." USEPORT HOSTNAME rm"
endif
if !exists("g:netrw_rmdir_cmd")
let g:netrw_rmdir_cmd = g:netrw_ssh_cmd." USEPORT HOSTNAME rmdir"
endif
if !exists("g:netrw_rmf_cmd")
let g:netrw_rmf_cmd = g:netrw_ssh_cmd." USEPORT HOSTNAME rm -f"
endif
" Default values - s ---------- {{{3
" set up shell quoting character
if exists("g:netrw_silent") && g:netrw_silent != 0
let s:netrw_silentxfer= "silent "
else
let s:netrw_silentxfer= ""
endif
if !exists("g:netrw_sort_by")
" alternatives: date size
let g:netrw_sort_by="name"
endif
if !exists("g:netrw_sort_options")
let g:netrw_sort_options= ""
endif
if !exists("g:netrw_sort_direction")
" alternative: reverse (z y x ...)
let g:netrw_sort_direction= "normal"
endif
if !exists("g:netrw_sort_sequence")
let g:netrw_sort_sequence= '[V]/S\.\h$/\.c$/\.cpp$/,\.o$/\.obj$/,\.info$/,\.swp$/,\.bak$/,\.~'"$'
endif
if !exists("g:netrw_special_syntax")
let g:netrw_special_syntax= 0
endif
if !exists("g:netrw_ssh_browse_reject")
let g:netrw_ssh_browse_reject="^total\s+\d+$'
endif
if !has("patch192")
if !exists("g:netrw_use_noswf")
let g:netrw_use_noswf= 1
endif
else
let g:netrw_use_noswf= 0
endif
" Default values - t-w ---------- {{{3
if !exists("g:netrw_timefmt")
let g:netrw_timefmt= "%c"
endif
if !exists("g:netrw_xstrlen")
let g:netrw_xstrlen= 1
endif
if !exists("g:NetrwTopLvlMenu")
let g:NetrwTopLvlMenu= "Netrw."
endif
if !exists("g:netrw_use_errorwindow")
let g:netrw_use_errorwindow= 1
endif
if !exists("g:netrw_win95ftp")
let g:netrw_win95ftp= 1
endif
if !exists("g:netrw_winsize")
let g:netrw_winsize= ""
endif
" --------------------------------------------------------------------" Default values for netrw's script variables: {{{2
if !exists("g:netrw_fname_escape")
let g:netrw_fname_escape= ' ?&;%'
endif
if !exists("g:netrw_glob_escape")
let g:netrw_glob_escape= '[]*?'{~$'
endif
if !exists("g:netrw_tmpfile_escape")
let g:netrw_tmpfile_escape= ' &;'
endif
let s:netrw_map_escape = "<|\n\r\\\<C-V>\""
" BufEnter event ignored by decho when following variable is true
" Has a side effect that doau BufReadPost doesn't work, so
" files read by network transfer aren't appropriately highlighted.
"let g:decho_bufenter = 1"Decho
" ==============================
" Netrw Utility Functions: {{{1
" ==============================
" -----------------------------------------------------------------------" s:NetrwOptionSave: save options and set to "standard" form {{{2
" 06/08/07 : removed call to NetrwSafeOptions(), either placed
"
immediately after NetrwOptionSave() calls in NetRead
"
and NetWrite, or after the s:NetrwEnew() call in
"
NetrwBrowse.
"
vt: normally its "w:" or "s:" (a variable type)
fun! s:NetrwOptionSave(vt)

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" call Dfunc("s:NetrwOptionSave(vt<"a:vt.">" win#".winnr()" buf#".bufnr("%")."<".bufname(bufnr("%"))">")
" call Decho(a:vt."netrw_optionsave",(exists("a:vt.netrw_optionsave")? (=".a:vt.netrw_optionsave) : " doesn't exist"))
if !exists("a:vt.netrw_optionsave")
    let {a:vt}netrw_optionsave= 1
else
    call Dret("s:NetrwOptionSave : options already saved")
    return
endif
" call Decho("fo=".&fo.(exists("&acd")? " acd=".&acd : " acd doesn't exist")

" Save current settings and current directory
let s:yykeep = @@
if exists("&l:acd")
    let {a:vt}netrw_acdkeep = &l:acd
endif
let {a:vt}netrw_aikeep = &l:ai
let {a:vt}netrw_awkeep = &l:aw
let {a:vt}netrw_cikeep = &l:ci
let {a:vt}netrw_cinkeep = &l:cin
let {a:vt}netrw_cinokeep = &l:cino
let {a:vt}netrw_comkeep = &l:com
let {a:vt}netrw_cpokeep = &l:cpo
if g:netrw_keepdir
    let {a:vt}netrw_dirkeep = getcwd()
endif
let {a:vt}netrw_fokeep = &l:fo           " formatoptions
let {a:vt}netrw_gdkeep = &l:gd           " gdefault
let {a:vt}netrw_hidkeep = &l:hidden
let {a:vt}netrw_magickeep = &l:magic
let {a:vt}netrw_repkeep = &l:report
let {a:vt}netrw_spellkeep = &l:spell
let {a:vt}netrw_twkeep = &l:tw           " textwidth
let {a:vt}netrw_wigkeep = &l:wig         " wildignore
if has("win32") && !has("win95")
    let {a:vt}netrw_swfkeep = &l:swf          " swapfile
endif
if &go =~ 'a' silent! let {a:vt}netrw_regstar = @* | endif
silent! let {a:vt}netrw_regslash= @/

" call Dret("s:NetrwOptionSave : win#".winnr()" buf#".bufnr("%"))
endfun

"---------------------------------------------------------------
" s:NetrwOptionRestore: restore options {{2
fun! s:NetrwOptionRestore(vt)
" call Dfunc("s:NetrwOptionRestore(vt<"a:vt.">" win#".winnr()" buf#".bufnr("%"))
if !exists("{a:vt}netrw_optionsave")
" call Dret("s:NetrwOptionRestore : "&a vt."netrw_optionsave doesn't exist")
return
endif
unlet {a:vt}netrw_optionsave

if exists("&acd")
if exists("{a:vt}netrw_acdkeep")
" call Decho("g:netrw_keepdir=".g:netrw_keepdir.": getcwd<".getcwd()."> acd=".&acd)
let curdir = getcwd()
let &l:acd = {a:vt}netrw_acdkeep
unlet {a:vt}netrw_acdkeep
if &l:acd
" call Decho("exe keepjumps lcd ".fnameescape(curdir)) " NOTE: was g:netrw_fname_escape for some reason
try
if !exists("&l:acd") && !&l:acd
exe 'keepjumps lcd '.fnameescape(curdir)
endtry
endif
endif
endif
if exists("{a:vt}netrw_aikeep") |let &l:ai = {a:vt}netrw_aikeep |unlet {a:vt}netrw_aikeep |
if exists("{a:vt}netrw_awkeep") |let &l:aw = {a:vt}netrw_awkeep |unlet {a:vt}netrw_awkeep |
if exists("{a:vt}netrw_cikeep") |let &l:ci = {a:vt}netrw_cikeep |unlet {a:vt}netrw_cikeep |
if exists("{a:vt}netrw_cinkeep") |let &l:cin = {a:vt}netrw_cinkeep |unlet {a:vt}netrw_cinkeep |
if exists("{a:vt}netrw_comkeep") |let &l:com = {a:vt}netrw_comkeep |unlet {a:vt}netrw_comkeep |
if exists("{a:vt}netrw_cpkkeep") |let &l:cpo = {a:vt}netrw_cpkkeep |unlet {a:vt}netrw_cpkkeep |
if exists("{a:vt}netrw_dirkeep") && isdirectory({a:vt}netrw_dirkeep) && g:netrw_keepdir
let dirkeep = substitute({a:vt}netrw_dirkeep,\\\",'/','g')
if exists("{a:vt}netrw_dirkeep") |exe "keepjumps lcd ".fnameescape(dirkeep)|unlet {a:vt}netrw_dirkeep |
endif
endif
if exists("{a:vt}netrw_fokeep") |let &l:fo = {a:vt}netrw_fokeep |unlet {a:vt}netrw_fokeep |
if exists("{a:vt}netrw_gdkeep") |let &l:gd = {a:vt}netrw_gdkeep |unlet {a:vt}netrw_gdkeep |
if exists("{a:vt}netrw_hidkeep") |let &l:hidden = {a:vt}netrw_hidkeep |unlet {a:vt}netrw_hidkeep |
if exists("{a:vt}netrw_magic") |let &l:magic = {a:vt}netrw_magic |unlet {a:vt}netrw_magic |
if exists("{a:vt}netrw_repkeep") |let &l:report = {a:vt}netrw_repkeep |unlet {a:vt}netrw_repkeep |
if exists("{a:vt}netrw_spellkeep") |let &l:spell = {a:vt}netrw_spellkeep |unlet {a:vt}netrw_spellkeep |
if exists("{a:vt}netrw_twkeep") |let &l:tw = {a:vt}netrw_twkeep |unlet {a:vt}netrw_twkeep |
if exists("{a:vt}netrw_wgkeep") |let &l:wig = {a:vt}netrw_wgkeep |unlet {a:vt}netrw_wgkeep |
if exists("s:yykeep") |let @@ = s:yykeep |unlet s:yykeep |
if &directory == ""
" user hasn't specified a swapfile directory;
" netrw will temporarily set the swapfile directory
" to the current directory as returned by getcwd().
let &l:directory = getcwd()
silent! let &l:swf = {a:vt}netrw_swfkeep
setlocal directory=
unlet {a:vt}netrw_swfkeep
elseif &l:swf != {a:vt}netrw_swfkeep
" following line causes a Press ENTER in windows -- can't seem to work around it!!!
silent! let &l:swf= {a:vt}netrw_swfkeep
unlet {a:vt}netrw_swfkeep
endif
endif
if exists("[a:vt]netrw_regstar")|silent! let @*= {a:vt}netrw_regstar |unlet {a:vt}netrw_regstar |endif
if exists("[a:vt]netrw_regslash")|silent! let @/= {a:vt}netrw_regslash|unlet {a:vt}netrw_regslash|endif
" call Decho("g:netrw_keepdir=".g:netrw_keepdir." : getcwd<".getcwd()."> acd=".&acd)
" call Decho("fo=".&fo.(exists("&acd")? " acd=".&acd : " acd doesn't exist"))
" call Decho("ro=".&fo." ma=".&l:ma," mod=".&l:mod." wrap=".&l:wrap)
" call Dret("s:NetrwOptionRestore : win#".winnr( "," buf#".bufnr( ")")
endfun

"  call Decho("g:netrw_keepdir=".g:netrw_keepdir." : getcwd<".getcwd()."> acd=".&acd)
"  call Decho("fo=".&fo.(exists("&acd")? " acd=".&acd : " acd doesn't exist"))
"  call Decho("ro=".&fo." ma=".&l:ma," mod=".&l:mod." wrap=".&l:wrap)
"  call Dret("s:NetrwOptionRestore : win#".winnr( "," buf#".bufnr( ")")
endfun

" s:NetrwSafeOptions: sets options to help netrw do its job {{}}2
fun! s:NetrwSafeOptions()
" call Dfunc("s:NetrwSafeOptions() win#".winnr( "," buf#".bufnr( ")")<".bufname(bufnr("%"))">
" call Decho("window's ft=".&ft)
setlocal cino=
setlocal com=
setlocal cpo-=aA
if exists("&acd") | setlocal noacd | endif
setlocal nocin noai noci magic nospell nohid wig= noaw
setlocal fo=nroql2
setlocal tw=0
setlocal report=10000
setlocal isk+=@ isk+== isk+=/ 
if g:netrw_use_noswf && & has("win32") && !has("win95")
setlocal noswf
endif
" call Decho("fo=".&fo.(exists("&acd")? " acd=".&acd : " acd doesn't exist"))
" call Dret("s:NetrwSafeOptions")
endfun

"  call Decho("g:netrw_keepdir=".g:netrw_keepdir." : getcwd<".getcwd()."> acd=".&acd)
"  call Decho("fo=".&fo.(exists("&acd")? " acd=".&acd : " acd doesn't exist"))
"  call Dret("s:NetrwOptionRestore : win#".winnr( "," buf#".bufnr( ")")
endfun

" netrw#NetrwClean: remove netrw {{}}2
" supports :NetrwClean -- remove netrw from first directory on runtimepath
" : NetrwClean! -- remove netrw from all directories on runtimepath
fun! netrw#NetrwClean(sys)
" call Dfunc("netrw#NetrwClean(sys=".a:sys."))

if a:sys
    let choice= confirm("Remove personal and system copies of netrw?","&Yes\n&No")
else
    let choice= confirm("Remove personal copy of netrw?","&Yes\n&No")
endif
" call Decho("choice=".choice)
let diddel= 0
let diddir= ""

if choice == 1
    for dir in split(&rtp, ',')
        if filereadable(dir."/plugin/netrwPlugin.vim")
            " call Decho("removing netrw-related files from ".dir)
            if s:NetrwDelete(dir."/plugin/netrwPlugin.vim") |call netrw#ErrorMsg(1,"unable to remove
            "dir."/plugin/netrwPlugin.vim",55) |endif
            if s:NetrwDelete(dir."/autoload/netrwFileHandlers.vim")|call netrw#ErrorMsg(1,"unable to remove
            "dir."/autoload/netrwFileHandlers.vim",55) |endif
            if s:NetrwDelete(dir."/autoload/netrwSettings.vim") |call netrw#ErrorMsg(1,"unable to remove
            "dir."/autoload/netrwSettings.vim",55) |endif
            if s:NetrwDelete(dir."/autoload/netrw.vim") |call netrw#ErrorMsg(1,"unable to remove
            "dir."/autoload/netrw.vim",55) |endif
            if s:NetrwDelete(dir."/syntax/netrw.vim") |call netrw#ErrorMsg(1,"unable to remove
            "dir."/syntax/netrw.vim",55) |endif
            if s:NetrwDelete(dir."/syntax/netrwlist.vim") |call netrw#ErrorMsg(1,"unable to remove
            "dir."/syntax/netrwlist.vim",55) |endif
            let diddir= dir
            let diddel= diddel + 1
            if !a:sys|break|endif
        endif
    endfor
    " call Dret("netrw#NetrwClean")
endif
"  echohl WarningMsg
if diddel == 0
    echomsg "netrw is either not installed or not removable"
elseif diddel == 1
    echomsg "removed one copy of netrw from <".diddir.">"
else
    echomsg "removed ".diddel." copies of netrw"
endif
"  echohl None
"  call Dret("netrw#NetrwClean")
endfun

" Netrw Transfer Functions: {{1
netrw#NetRead: responsible for reading a file over the net

mode: =0 read remote file and insert before current line
=1 read remote file and insert after current line
=2 replace with remote file
=3 obtain file, but leave in temporary format

fun! netrw#NetRead(mode,...)

call Dfunc("netrw#NetRead(mode=".a:mode.",...) a:0=".a:0." ".g:loaded_netrw")

call s:NetrwOptionSave("w:"

call s:NetrwSafeOptions()

interpret mode into a readcmd

if a:mode == 0 " read remote file before current line
let readcmd = "0r"
elseif a:mode == 1 " read file after current line
let readcmd = "r"
elseif a:mode == 2 " replace with remote file
let readcmd = "%r"
elseif a:mode == 3 " skip read of file (leave as temporary)
let readcmd = "t"
else
exe a:mode
let readcmd = "r"
endif
let ichoice = (a:0 == 0)? 0 : 1

call Decho("readcmd<".readcmd."> ichoice=".ichoice"

Get Temporary Filename
let tmpfile= s:GetTempfile"
if tmpfile == ""
call Dret("netrw#NetRead : unable to get a tempfile!")
return
endif

while ichoice <= a:0

attempt to repeat with previous host-file/etc
if exists("b:netrw_lastfile") && a:0 == 0

call Decho("using b:netrw_lastfile<" . b:netrw_lastfile . ">")
let choice = b:netrw_lastfile
let ichoice= ichoice + 1
else
exe "let choice= a:" . ichoice
" call Decho("no lastfile: choice<" . choice . ">")

if match(choice,"\?") == 0
    " give help
    echomsg 'NetRead Usage:
    echomsg ':Nread machine:path uses rcp'
    echomsg ':Nread "machine path" uses ftp with <.netrc>
    echomsg ':Nread dav://machine[:port]/path uses cadaver'
    echomsg ':Nread fetch://machine/path uses fetch'
    echomsg ':Nread ftp://[user@]machine[:port]/path uses ftp autodetects <.netrc>
    echomsg ':Nread http://[user@]machine[:port]/path uses http wget'
    echomsg ':Nread rcp://[user@]machine[:port]/path uses rcp'
    echomsg ':Nread rsync://machine[:port]/path uses rsync'
    echomsg ':Nread scp://[user@]machine[:#]port]/path uses scp'
    echomsg ':Nread sftp://[user@]machine[:#]port]/path uses sftp'
    sleep 4
    break

elseif match(choice,'^"') != -1
    " Reconstruct Choice if choice starts with "
    " call Decho("reconstructing choice")
    if match(choice,'"$') != -1
        " case "...
        let choice=strpart(choice,1,strlen(choice)-2)
    else
        " case ".......
        let choice = strpart(choice,1,strlen(choice)-1)
        let wholechoice = ""
        while match(choice,""""$") == -1
            let wholechoice = wholechoice . " " . choice
            let ichoice = ichoice + 1
        endwhile
        if ichoice > a:0
            if !exists("g:netrw_quiet")
                call netrw#ErrorMsg(s:ERROR,"Unbalanced string in filename " . wholechoice . "."",3)
            endif
        endif
        let choice= a:{ichoice}
    endif
endif
" call Dret("netrw#NetRead :2 getcwd<" . getcwd()."">")
return
endif
let choice= a:{ichoice}
endwhile
let choice= strpart(wholechoice,1,strlen(wholechoice)-1) . " " . strpart(choice,0,strlen(choice)-1)
endif
endif
endif
" call Decho("choice<" . choice . ">")
let ichoice = ichoice + 1

" Determine method of read (ftp, rcp, etc) {
 call s:NetrwMethod(choice)
 if !exists("b:netrw_method") || b:netrw_method < 0
    call Dfunc("netrw#NetRead : unsupported method")
    return
 endif
 let tmpfile = s:GetTempfile(b:netrw_fname) ' apply correct suffix

" Check if NetrwBrowse() should be handling this request
" call Decho("checking if NetrwBrowse() should handle choice<"choice.""> with
netrw_list_cmd<"g:netrw_list_cmd."">")
 if choice =~ "^.*\[\\/\]\$" && b:netrw_method != 5 && choice !~ "^http://"
    call Decho("yes, choice matches "^.*\[\\/\]\$"")
    keepjumps call s:NetrwBrowse(0,choice)
" call Dret("netrw#NetRead :3 getcwd<".getcwd().">")
    return
 endif

" ============
" Perform Protocol-Based Read {
" " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " 

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endif

"   call Decho("executing: !"."g:netrw_rcp_cmd.".".shellescape(uid_machine.:"."b:netrw_fname,1).".".shellescape(tmpfile,1))
exe s:netrw_silentxfer."!"."g:netrw_rcp_cmd.".".shellescape(uid_machine.:"."b:netrw_fname,1).".".shellescape(tmpfile,1)
let result           = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

ftp + <.netrc>:  NetRead Method #2 {{{3
elseif b:netrw_method  == 2		" read with ftp + <.netrc>
"     call Decho("read via ftp+.netrc (method #2)"
let netrw_fname= b:netrw_fname
call s:SaveBufVars()|new|call s:RestoreBufVars()
let filtbuf= bufnr("%")
setlocal ff=unix
put =g:netrw_ftpmode
"     call Decho("filter input: ".getline(line("$")))
if exists("g:netrw_ftpextracmd")
put =g:netrw_ftpextracmd
"      call Decho("filter input: ".getline(line("$")))
endif
"     call setline(line("$")+1,'"get ".netrw_fname." ".tmpfile)
"     call Decho("filter input: ".getline(line("$")))
if exists("g:netrw_port") && g:netrw_port != ""
"      call Decho("executing: %"."g:netrw_ftp_cmd." -i ".shellescape(g:netrw_machine." ".g:netrw_port,1))
exe s:netrw_silentxfer."%!"."g:netrw_ftp_cmd." -i ".shellescape(g:netrw_machine,1)
else
"      call Decho("executing: %"."g:netrw_ftp_cmd." ".shellescape(g:netrw_machine." "g:netrw_port,1))
exe s:netrw_silentxfer."%!"."g:netrw_ftp_cmd." ".shellescape(g:netrw_machine,1)
endif

" If the result of the ftp operation isn't blank, show an error message (tnx to Doug Chan)
if getline(1) !~ "^$" && !exists("g:netrw_quiet") && getline(1) !~ '^Trying ' && getline(1) !~ '
let debugkeep = &debug
setlocal debug=msg
call netrw#ErrorMsg(s:ERROR,getline(1),4)
let &debug    = debugkeep
endif

call s:SaveBufVars()
bd!
if bufname("%") == "" && getline("$") == "" && line("$") == 1
" needed when one sources a file in a nohighlight setting window via ftp
q!
endif

call s:RestoreBufVars()
let result           = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
"ftp + machine,id,passwd,filename: NetRead Method #3 {{}{3
elseif b:netrw_method == 3		" read with ftp + machine, id, passwd, and fname
    " Construct execution string (four lines) which will be passed through filter
    " call Decho("read via ftp+mipf (method #3)")
    let netrw_fname= escape(b:netrw_fname,g:netrw_fname_escape)
call s:SaveBufVars()|new|call s:RestoreBufVars()
let filtbuf= bufnr("%")
setlocal ff=unix
if exists("g:netrw_port") && g:netrw_port != ""
    put =\"open \".g:netrw_machine.\".\".g:netrw_port
    " call Decho("filter input: ".getline(\"")
else
    put =\"open \".g:netrw_machine
    " call Decho("filter input: ".getline(\")")
endif

if exists("g:netrw_ftp") && g:netrw_ftp == 1
    put =\"\".g:netrw_uid\".\".s:netrw_passwd.\"
    " call Decho("filter input: ".getline(\")")
else
    put =\"user \".g:netrw_uid.\"\".\".s:netrw_passwd.\"
    " call Decho("filter input: ".getline(\")")
endif
if exists("g:netrw_ftpmode") && g:netrw_ftpmode != ""
    put =\".g:netrw_ftpmode
    " call Decho("filter input: ".getline(\")")
endif
if exists("g:netrw_ftpextracmd")
    put =g:netrw_ftpextracmd
    " call Decho("filter input: ".getline(\")")
endif
    put =\".netrw_fname.\".\".tmpfile
    " call Decho("filter input: ".getline(\")")

" perform ftp:
    " -i       : turns off interactive prompting from ftp
    " -n unix : DON'T use <.netrc>, even though it exists
    " -n win32: quit being obnoxious about password
    norm! 1Gdd
    " call Decho("executing: %!\".g:netrw_ftp_cmd." -i -n")
exe s:netrw_silentxfer.%!\".g:netrw_ftp_cmd." -i -n"
    " If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
if getline(1) !~ "^$"
    " call Decho("error<\".getline(1)."">")
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR.getline(1),5)
endif
endif
call s:SaveBufVars()|bd!|call s:RestoreBufVars()
let result = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

".........................................
" scp: NetRead Method #4 {{{3
elseif b:netrw_method == 4
" call Decho("read via scp (method #4)"
if exists("g:netrw_port") && g:netrw_port != ""
let useport= " ".g:netrw_scpport." ".g:netrw_port
else
let useport= ""
endif
" call Decho("exe s:netrw_silentxfer.!.g:netrw_scp_cmd.useport."
".shellescape(g:netrw_machine.":".b:netrw_fname,1)." ".shellescape(tmpfile,1))
exe s:netrw_silentxfer.!.g:netrw_scp_cmd.useport. " .shellescape(g:netrw_machine.":".b:netrw_fname,1)." ".shellescape(tmpfile,1)
let result = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

".........................................
" http: NetRead Method #5 (wget) {{{3
elseif b:netrw_method == 5
" call Decho("read via http (method #5)"
if g:netrw_http_cmd == ""
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"neither the wget nor the fetch command is available",6)
endif
" call Dret("netrw#NetRead :4 getcwd<".getcwd().">")
return
endif

if match(b:netrw_fname,"#") == -1 || exists("g:netrw_http_xcmd")
" using g:netrw_http_cmd (usually elinks, links, curl, wget, or fetch)
call Decho("using 'g:netrw_http_cmd.' (# not in b:netrw_fname<".b:netrw_fname."))")
if exists("g:netrw_http_cmd")
" call Decho("exe ".s:netrw_silentxfer.!".g:netrw_http_cmd."
".shellescape("http://":g:netrw_machine.b:netrw_fname,1)." ".g:netrw_http_xcmd."
".shellescape(tmpfile,1))
exe s:netrw_silentxfer.!".g:netrw_http_cmd." ".shellescape("http://":g:netrw_machine.b:netrw_fname,1)." ".shellescape(tmpfile,1)
".g:netrw_http_xcmd."
else
" call Decho("exe ".s:netrw_silentxfer.!".g:netrw_http_cmd." ".shellescape(tmpfile,1)."
".shellescape("http://":g:netrw_machine.b:netrw_fname,1))
exe s:netrw_silentxfer.!".g:netrw_http_cmd." ".shellescape(tmpfile,1)."
".shellescape("http://" .g:netrw_machine .b:netrw_fname ,1)
endif
let result = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
else
" wget/curl/fetch plus a jump to an in-page marker (ie. http://abc/def.html#aMarker)
   call Decho("".wget/curl plus jump (# in b:netrw_fname"."b:netrw_fname."">")")
let netrw_html= substitute(b:netrw_fname,"#.*$","" )
let netrw_tag = substitute(b:netrw_fname,"^.*#",""")
" call Decho("netrw_html"."netrw_html;">")
" call Decho("netrw_tag "."netrw_tag;">")
" call Decho("exe ",.s:netrw_silentxfer,"!" .g:netrw_http_cmd," " .shellescape(tmpfile,1)."
".shellescape("http://" .g:netrw_machine .netrw_html ,1))
exe s:netrw_silentxfer,"!" .g:netrw_http_cmd," " .shellescape(tmpfile,1)."
".shellescape("http://" .g:netrw_machine .netrw_html ,1)
let result = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
call Decho("exe ",.s:netrw_silentxfer,"!" .g:netrw_http_cmd," "
   .shellescape("dav://" .g:netrw_machine .b:netrw_fname ,1)" ".shellescape(tmpfile,1))
exe s:netrw_silentxfer,"!" .g:netrw_http_cmd," " .shellescape("dav://" .g:netrw_machine .b:netrw_fname ,1)" ".shellescape(tmpfile,1)
else
" Construct execution string (four lines) which will be passed through filter
let netrw_fname= escape(b:netrw_fname,g:netrw_fname_escape)
new
setlocal ro
if !executable(g:netrw_dav_cmd)
call netrw#ErrorMsg(s:ERROR,g:netrw_dav_cmd." is not executable",73)
call Dret("netrw#NetRead : ",g:netrw_dav_cmd." not executable")
return
endif
if g:netrw_dav_cmd =~ "curl"
call Decho("exe ",.s:netrw_silentxfer,"!" .g:netrw_dav_cmd," ".shellescape("dav://" .g:netrw_machine .b:netrw_fname ,1)" ".shellescape(tmpfile,1))
exe s:netrw_silentxfer,"!" .g:netrw_http_cmd," " .shellescape("dav://" .g:netrw_machine .b:netrw_fname ,1)" ".shellescape(tmpfile,1)
else
" dav: NetRead Method #6 {{\{3
endif
" dav: NetRead Method #6 {{\{3
else
    b:netrw_method == 6
" call Decho('read via cadaver (method #6)')
if !executable(g:netrw_dav_cmd)
call netrw#ErrorMsg(s:ERROR,g:netrw_dav_cmd." is not executable",73)
call Dret("netrw#NetRead : ",g:netrw_dav_cmd." not executable")
return
endif
if g:netrw_dav_cmd =~ "curl"
call Decho("exe ",.s:netrw_silentxfer,"!" .g:netrw_dav_cmd," ".shellescape("dav://" .g:netrw_machine .b:netrw_fname ,1)" ".shellescape(tmpfile,1))
exe s:netrw_silentxfer,"!" .g:netrw_http_cmd," " .shellescape("dav://" .g:netrw_machine .b:netrw_fname ,1)" ".shellescape(tmpfile,1)
else
" Construct execution string (four lines) which will be passed through filter
let netrw_fname= escape(b:netrw_fname,g:netrw_fname_escape)
new
setlocal ff=unix
if exists('g:netrw_port') && g:netrw_port != ""
    put ='open '.g:netrw_machine.' '.s:netrw_passwd
else
    put ='open '.g:netrw_machine
endif
put ='user '.g:netrw_uid.' '.s:netrw_passwd
put = 'get .netrw_fname.' . tmpfile
put = 'quit'

" perform cadaver operation:
    norm! 1Gdd
"    call Decho("executing: %!.g:netrw_dav_cmd")
exe s:netrw_silentxfer."%!".g:netrw_dav_cmd
bd!
endif
let result = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

..........................................
" rsync: NetRead Method #7 {{3
elseif b:netrw_method == 7
    call Decho("read via rsync (method #7)"
"    call Decho("exe " . s:netrw_silentxfer."!".g:netrw_rsync_cmd.".shellescape(g:netrw_machine."":b:netrw_fname,1)." .shellescape(tmpfile,1))
exe s:netrw_silentxfer."!".g:netrw_rsync_cmd." .shellescape(g:netrw_machine."":b:netrw_fname,1)." .shellescape(tmpfile,1)
let result = s:NetrwGetFile(readcmd,tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

..........................................
" fetch: NetRead Method #8 {{3
"    fetch://[user@]host[:http]/path
elseif b:netrw_method == 8
    call Decho("read via fetch (method #8)"
if g:netrw_fetch_cmd =="
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"fetch command not available",7)
endif
"     call Dret("NetRead")
endif
if exists("g:netrw_option") && g:netrw_option == ":http"
let netrw_option = ":http"
else
let netrw_option = ":ftp"
endif
"    call Decho("read via fetch for ".netrw_option)
if exists("g:netrw_uid") && g:netrw_uid != "" && exists("s:netrw_passwd") && s:netrw_passwd != ""
    call Decho("exe ".s:netrw_silentxfer."!".g:netrw_fetch_cmd." .shellescape(tmpfile,1)"
" .shellescape(netrw_option."://":g:netrw_uid."":s:netrw_passwd."@":g:netrw_machine."":b:netrw_fname,1))
exe s:netrw_silentxfer."!".g:netrw_fetch_cmd." .shellescape(tmpfile,1)"
" .shellescape(netrw_option."://":g:netrw_uid."":s:netrw_passwd."@":g:netrw_machine."":b:netrw_fname,1)
else
    call Decho("exe ".s:netrw_silentxfer."!".g:netrw_fetch_cmd." .shellescape(tmpfile,1)"
".shellescape(netrw_option."":"g:netrw_machine."":"b:netrw_fname,1))
  exe s:netrw_silentxfer."":g:netrw_fetch_cmd." ".shellescape(tmpfile,1).
".shellescape(netrw_option."":"g:netrw_machine."":"b:netrw_fname,1)
endif

let result		= s:NetrwGetFile(readcmd,tmpfile, b:netrw_method)
let b:netrw_lastfile = choice
setlocal ro

".................................
" sftp: NetRead Method #9 {{{3
elseif     b:netrw_method  == 9
"    call Decho("read via sftp (method #9)"
"    call Decho("exe ".s:netrw_silentxfer."":g:netrw_sftp_cmd." ".shellescape(g:netrw_machine."":"b:netrw_fname,1)." ".tmpfile
exe s:netrw_silentxfer."":g:netrw_sftp_cmd." ".shellescape(g:netrw_machine."":"b:netrw_fname,1)." ".tmpfile
let result		= s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

".................................
" Complain {{{3
else
call netrw#ErrorMsg(s:WARNING,"unable to comply with your request<" . choice . "">",8)
endif
endwhile

" cleanup {{{3
if exists("b:netrw_method")
"    call Decho("cleanup b:netrw_method and b:netrw_fname")
unlet b:netrw_method
unlet b:netrw_fname
endif
if s:FileReadable(tmpfile) && tmpfile !~ '.tar.bz2$' && tmpfile !~ '.tar.gz$' && tmpfile !~ '.zip' && tmpfile != '.tar'
& readcmd != 't'
"    call Decho("cleanup by deleting tmpfile<".tmpfile.">")
call s:NetrwDelete(tmpfile)
endif
call s:NetrwOptionRestore("w:"

" call Dret("netrw#NetRead :5 getcwd<".getcwd().">")
endfun

"------------------------------------------------------------------------------------------------------------------------
" netrw#NetWrite: responsible for writing a file over the net {{{2
 fun! netrw#NetWrite(...) range
"  call Dfunc("netrw#NetWrite(a:0=".a:0." ",g:loaded_netrw)
let mod= 0
call s:NetrwOptionSave("w:"

call s:NetrwSafeOptions()

" Get Temporary Filename {{3
let tmpfile= s:GetTempfile(""
if tmpfile == ""
" call Dret("netrw#NetWrite : unable to get a tempfile!")
return
dendif
if a:0 == 0
let ichoice = 0
else
let ichoice = 1
dendif

let curbufname= expand("%")
" call Decho("curbufname<".curbufname.">")
if &binary
" For binary writes, always write entire file.
" (line numbers don't really make sense for that).
" Also supports the writing of tar and zip files.
" call Decho("(write entire file) silent exe w! ".fnameescape(v:cmdarg)." ".fnameescape(tmpfile))
silent exe "w! ".fnameescape(v:cmdarg)." ".fnameescape(tmpfile)
delseif g:netrw_cygwin
" write (selected portion of) file to temporary
let cygtmpfile= substitute(tmpfile,'/cygdrive\(\1\)'\1','
" call Decho("(write selected portion) silent exe ".a:firstname." . a:lastname . "w! ".fnameescape(v:cmdarg)." ".fnameescape(cygtmpfile))
silent exe a:firstname." . a:lastname . "w! ".fnameescape(v:cmdarg)." ".fnameescape(cygtmpfile)
delse
" write (selected portion of) file to temporary
" call Decho("(write selected portion) silent exe ".a:firstname." . a:lastname . "w! ".fnameescape(v:cmdarg)." ".fnameescape(tmpfile))
silent exe a:firstname." . a:lastname . "w! ".fnameescape(v:cmdarg)." ".fnameescape(tmpfile)
derendif
if curbufname == ""
" if the file is [No Name], and one attempts to Nwrite it, the buffer takes
" on the temporary file's name. Deletion of the temporary file during
" cleanup then causes an error message.
0file!
derendif

" While choice loop: {{3
while ichoice <= a:0

" Process arguments: {{4
" attempt to repeat with previous host-file/etc
if exists("b:netrw_lastfile") & & a:0 == 0
" call Decho("using b:netrw_lastfile<" . b:netrw_lastfile . ">")
let choice = b:netrw_lastfile
let ichoice = ichoice + 1
else
exe "let choice= a:" . ichoice

" Reconstruct Choice if choice starts with ""
if match(choice,"?" ) == 0
 echomsg 'NetWrite Usage:"
 echomsg 'Nwrite machine:path uses rcp'
echomsg 'Nwrite "machine path" uses ftp with <.netrc>''
echomsg 'Nwrite "machine id password path" uses ftp'
echomsg 'Nwrite dav://[user@]machine/path uses cadaver'
echomsg 'Nwrite fetch://[user@]machine/path uses fetch'
echomsg 'Nwrite ftp://machine[#port]/path uses ftp (autodetects <.netrc> )'
echomsg 'Nwrite rcp://machine/path uses rcp'
echomsg 'Nwrite rsync://[user@]machine/path uses rsync'
echomsg 'Nwrite scp://[user@]machine[[:#port]]/path uses scp'
echomsg 'Nwrite sftp://[user@]machine/path uses sftp'
sleep 4
break
elseif match(choice,"^" ) != -1
if match(choice,"" ) != -1
" case "..."
let choice=strpart(choice,1,strlen(choice)-2)
else
" case "... ... ..."
let choice = strpart(choice,1,strlen(choice)-1)
let wholechoice = ""
while match(choice,"" ) == -1
let wholechoice= wholechoice . " " . choice
let ichoice = ichoice + 1
if choice > a:0
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"Unbalanced string in filename ". wholechoice "."",13)
endif
" call Dret("netrw#NetWrite")
return
endif
let choice= a:{ichoice}
endwhile
let choice= strpart(wholechoice,1,strlen(wholechoice)-2) . " " . strpart(choice,0,strlen(choice)-1)
endif
endif
endif
let ichoice = ichoice + 1
" call Decho("choice<" . choice . "> ichoice=".ichoice)

" Determine method of write (ftp, rcp, etc) {{4
call s:NetrwMethod(choice)
if !exists("b:netrw_method") || b:netrw_method < 0
" call Dfunc("netrw#NetWrite : unsupported method")
return
endif

" =============
" Perform Protocol-Based Write {{4
" ============================
if exists("g:netrw_silent") && g:netrw_silent == 0 && &ch >= 1
echo "(netrw) Processing your write request..."
" call Decho("(netrw) Processing your write request...")
endif

".........................................
" rcp: NetWrite Method #1 {{4
if b:netrw_method == 1
" call Decho("write via rcp (method #1)"
if s:netrw_has_nt_rcp == 1
if exists("g:netrw_uid") && ( g:netrw_uid !== ")
let uid_machine = g:netrw_machine .'. g:netrw_uid
else
let uid_machine = g:netrw_uid .'@'. g:netrw_machine
endif
else
if exists("g:netrw_uid") && ( g:netrw_uid !== ")
let uid_machine = g:netrw_uid .'@'. g:netrw_machine
else
let uid_machine = g:netrw_machine
endif
endif
" call Decho("executing: !"g:netrw_rcp_cmd." "s:netrw_rcpmod." "shellescape(tmpfile,1)."
".shellescape(uid_machine,".b:netrw_fname,1))
exe s:netrw_silentxfer."!"g:netrw_rcp_cmd." "s:netrw_rcpmod." "shellescape(tmpfile,1)."
".shellescape(uid_machine,".b:netrw_fname,1)
let b:netrw_lastfile = choice

.........................................
" ftp + <netrc>: NetWrite Method #2 {{4
elseif b:netrw_method == 2
" call Decho("write via ftp+.netrc (method #2)"
let netrw fname = b:netrw fname
new
" call Decho("filter input window#".winnr())
setlocal ff=unix
put =g:netrw_ftpmode
" call Decho("filter input: ".getline($))
if exists("g:netrw_ftpextracmd")
put =g:netrw_ftpextracmd
" call Decho("filter input: ".getline($))
endif

call setline(line("$")+1,.put ".tmpfile." ".netrw_fname.")
" call Decho("filter input: ".getline($))
if exists("g:netrw_port") && g:netrw_port != ""
" call Decho("executing: %!".g:netrw_ftp_cmd." -i ".shellescape(g:netrw_machine,1)."
"shellescape(g:netrw_port,1))
exe s:netrw_silentxfer."%!".g:netrw_ftp_cmd." -i ".shellescape(g:netrw_machine,1)."
"shellescape(g:netrw_port,1)
else
" call Decho("filter input window#".winnr())
" call Decho("executing: %!".g:netrw_ftp_cmd." -i ".shellescape(g:netrw_machine,1))
exe s:netrw_silentxfer."%!".g:netrw_ftp_cmd." -i ".shellescape(g:netrw_machine,1)
endif
" If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
if getline(1) !~ "^$"
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,getline(1),14)
endif
let mod=1
endif
bd!
let b:netrw_lastfile = choice

..........................................
" ftp + machine, id, passwd, filename: NetWrite Method #3 {{{4
elseif b:netrw_method == 3
" Construct execution string (four lines) which will be passed through filter
" call Decho("read via ftp+mipf (method #3)")
let netrw_fname= b:netrw_fname
new
setlocal ff=unix
if exists("g:netrw_port") && g:netrw_port != ""
put ="open ".g:netrw_machine." ".g:netrw_port"
" call Decho("filter input: ".getline(,))
else
put ="open ".g:netrw_machine
" call Decho("filter input: ".getline(,))
endif
if exists("g:netrw_ftp") && g:netrw_ftp == 1
put =g:netrw_uid
" call Decho("filter input: ".getline(.'))
    put =\"".s:netrw_passwd.\"
" call Decho("filter input: ".getline(.'))
else
    put ="user \".g:netrw_uid.\" \
        \".s:netrw_passwd.\"
" call Decho("filter input: ".getline(.'))
endif
    put ="put \".tmpfile.\" \
        \".netrw_fname.\"
" call Decho("filter input: ".getline(.'))
" save choice/id/password for future use
let b:netrw_lastfile = choice

" perform ftp:
" -i : turns off interactive prompting from ftp
" -n unix : DON'T use <.netrc>, even though it exists
" -n win32: quit being obnoxious about password
norm! 1Gdd
" call Decho("executing: %!.g:netrw_ftp_cmd." -i -n")
exe s:netrw_silentxfer."%.g:netrw_ftp_cmd." -i -n"
" If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
if getline(1) !~ "^$"
    if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,getline(1),15)
endif
let mod=1
endif
bd!

..........................................
" scp: NetWrite Method #4 {{{4
elseif b:netrw_method == 4
" call Decho("write via scp (method #4)"
if exists("g:netrw_port") && g:netrw_port != ""
    let useport= " ".g:netrw_scpport." ".fnameescape(g:netrw_port)
else
    let useport= ""
endif
" call Decho("exe ".s:netrw_silentxfer."!".g:netrw_scp_cmd.useport." ".shellescape(tmpfile,1).
".shellescape(g:netrw_machine." ":".b:netrw_fname,1))
exe s:netrw_silentxfer."!".g:netrw_scp_cmd.useport." ".shellescape(tmpfile,1).
".shellescape(g:netrw_machine." ":".b:netrw_fname,1)
let b:netrw_lastfile = choice

..........................................
" http: NetWrite Method #5 {{{4
elseif b:netrw_method == 5
" call Decho("write via http (method #5)"
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"currently <netrw.vim> does not support writing using http:"),16)
endif

".................................
" dav: NetWrite Method #6 (cadaver) {{4
elseif     b:netrw_method == 6
   " call Decho("write via cadaver (method #6")

   " Construct execution string (four lines) which will be passed through filter
   let netrw_fname= escape(b:netrw_fname,g:netrw_fname_escape)
   new
   setlocal ff=unix
   if exists("g:netrw_port") && g:netrw_port != ""
      put ='open '.g:netrw_machine.' '.g:netrw_port
   else
      put ='open '.g:netrw_machine
   endif
   if exists("g:netrw_uid") && exists("s:netrw_passwd")
      put ='user '.g:netrw_uid.' '.s:netrw_passwd
   endif
   put ='put '.tmpfile.' '.netrw_fname

   " perform cadaver operation:
   norm! 1Gdd
   "   call Decho("executing: %!".g:netrw_dav_cmd)
   exe s:netrw_silentxfer."%!".g:netrw_dav_cmd
   bd!
   let b:netrw_lastfile = choice

   ".................................
" rsync: NetWrite Method #7 {{{4
elseif     b:netrw_method == 7
   " call Decho("write via rsync (method #7")
   "   call Decho("executing: !".g:netrw_rsync_cmd." .shellescape(tmpfile,1).".
   " .shellescape(g:netrw_machine.".".b:netrw_fname,1))
   exe s:netrw_silentxfer."!".g:netrw_rsync_cmd." .shellescape(tmpfile,1)."
   " .shellescape(g:netrw_machine.".".b:netrw_fname,1)
   let b:netrw_lastfile = choice

   ".................................
" sftp: NetWrite Method #9 {{{4
elseif     b:netrw_method == 9
   " call Decho("read via sftp (method #9")
   let netrw_fname= escape(b:netrw_fname,g:netrw_fname_escape)
   if exists("g:netrw_uid") && ( g:netrw_uid != ""
      let uid_machine = g:netrw_uid.'@'. g:netrw_machine
   else
      let uid_machine = g:netrw_machine
endif
new
setlocal ff=unix
put = put "\".escape(tmpfile,"\")\" .netrw_fname
" call Decho("filter input: ".getline("")
norm! 1Gdd
" call Decho("executing: %!\".g:netrw_sftp_cmd\".shellescape(uid_machine,1))
exe s:netrw_silentxfer."%!\".g:netrw_sftp_cmd\".shellescape(uid_machine,1)
b!
let b:netrw_lastfile= choice

"........................................
" Complain {{4
else
call netrw#ErrorMsg(s:WARNING,"unable to comply with your request<" . choice . ">",17)
endif
endwhile

" Cleanup: {{3
" call Decho("cleanup")
if s:FileReadable(tmpfile)
" call Decho("tmpfile<".tmpfile." readable, will now delete it")
call s:NetrwDelete(tmpfile)
endif
call s:NetrwOptionRestore("w:")

if a:firstline == 1 && a:lastline == line("$")
" restore modifiability; usually equivalent to set nomod
let &mod= mod
endif

" call Dret("netrw#NetWrite")
endfun

" " netrw#NetSource: source a remotely hosted vim script {{2
" uses NetRead to get a copy of the file into a temporarily file,
" then sources that file,
" then removes that file.
fun! netrw#NetSource(...)
" call Dfunc("netrw#NetSource() a:0=".a:0)
if a:0 > 0 && a:1 == '?'
" give help
echomsg 'NetSource Usage:'
echomsg 'Nsource dav://machine:/port/path uses cadaver'
echomsg 'Nsource fetch://machine/path uses fetch'
echomsg 'Nsource ftp://[user@]machine:/port/path uses ftp autodetects <.netrc>'
echomsg 'Nsource http://[user@]machine/path uses http wget'
echomsg ':Nsoruce rcp://[user@]machine/path   uses rcp'
echomsg ':Nsoruce rsync://machine[:port]/path   uses rsync'
echomsg ':Nsoruce scp://[user@]machine[[:#]port]/path uses scp'
echomsg ':Nsoruce sftp://[user@]machine[[:#]port]/path uses sftp'
sleep 4
else
let i= 1
while i <= a:0
    call netrw#NetRead(3,a:{i})
    "    call Decho("(netrw#NetSource) s:netread_tmpfile<".s:netrw_tmpfile.">)"
    if s:FileReadable(s:netrw_tmpfile)
        "    call Decho("(netrw#NetSource) exe so ".fnameescape(s:netrw_tmpfile))"
        exe "so ".fnameescape(s:netrw_tmpfile)
        "    call Decho("(netrw#NetSource) delete(".s:netrw_tmpfile."))"
        delete(s:netrw_tmpfile)
        unlet s:netrw_tmpfile
    else
        call netrw#ErrorMsg(s:ERROR,"unable to source <".a:{i}.">!",48)
    endif
    let i= i + 1
endwhile
endif
"  call Dret("netrw#NetSource")
endfun

"==========================================
" s:NetrwGetFile: Function to read temporary file "tfile" with command "readcmd". [ acrylic[2
" readcmd == %r: replace buffer with newly read file
"     == 0r: read file at top of buffer
"     == r: read file after current line
"     == t: leave file in temporary form (ie. don't read into buffer)
fun! s:NetrwGetFile(readcmd, tfile, method)

" readcmd=="t": simply do nothing
if a:readcmd == 't'
"    call Dret("NetrwGetFile : skip read of <".a:tfile.">)"
return
endif

" get name of remote filename (ie. url and all)
let rfile= bufname("%")
" call Decho("rfile<".rfile.">")

if exists("*NetReadFixup")
" for the use of NetReadFixup (not otherwise used internally)
let line2= line("$")
endif

if a:readcmd[0] == '%'
  " get file into buffer
  " call Decho("get file into buffer")

  " rename the current buffer to the temp file (ie. tfile)
  if g:netrw_cygwin
    let tfile= substitute(a:tfile;/cygdrive/([^/]+)/","1:",""
  else
    let tfile= a:tfile
  endif
  " call Decho("exe silent! keepalt file ".fnameescape(tfile))
  exe "silent! keepalt file ".fnameescape(tfile)

  " edit temporary file (ie. read the temporary file in)
  if rfile =~ '\.zip$'
    " call Decho("handling remote zip file with zip#Browse(tfile<".tfile.">)")
    call zip#Browse(tfile)
  elseif rfile =~ '\.tar$'
    " call Decho("handling remote tar file with tar#Browse(tfile<".tfile.">)")
    call tar#Browse(tfile)
  elseif rfile =~ '\.tar\.gz'
    " call Decho("handling remote gzip-compressed tar file")
    call tar#Browse(tfile)
  elseif rfile =~ '\.tar\.bz2'
    " call Decho("handling remote bz2-compressed tar file")
    call tar#Browse(tfile)
  else
    " call Decho("edit temporary file")
    e!
  endif

  " rename buffer back to remote filename
  " call Decho("exe silent! keepalt file ".fnameescape(rfile))
  exe "silent! keepalt file ".fnameescape(rfile)
  if a:method == 5
    set ft=html
  else
    filetype detect
  endif
  " call Dredir("renamed buffer back to remote filename<".rfile."> : expand(%)<".expand("%")."">","ls!")
  let line1 = 1
  let line2 = line("$")
elseif s:FileReadable(a:tfile)
  " read file after current line
  " call Decho("read file<".a:tfile."> after current line")
let curline = line(".")
let lastline= line("$")
   call Decho("exe<".a:readcmd." "fnameescape(v:cmdarg)." "fnameescape(a:tfile)."> line#".curline)
exe a:readcmd." "fnameescape(v:cmdarg)." "fnameescape(a:tfile)
let line1= curline + 1
let line2= line("$") - lastline + 1

else
   " not readable
   call Decho("tfile<".a:tfile." > not readable")
call netrw#ErrorMsg(s:WARNING,"file <".a:tfile." > not readable",9)
   call Dret("NetrwGetFile : tfile<".a:tfile." > not readable")
return
endif

" User-provided (ie. optional) fix-it-up command
if exists("*NetReadFixup")
   call Decho("calling NetReadFixup(method<".a:method." > line1=".line1." line2=".line2.")
call NetReadFixup(a:method, line1, line2)
   else " Decho
   call Decho("NetReadFixup() not called, doesn't exist  (line1=".line1." line2=".line2.")
endif

if has("gui") && has("menu") && has("gui_running") && &go =~ 'm'
   " update the Buffers menu
call s:UpdateBuffersMenu()
endif


" make sure file is being displayed
" redraw!

" call Dret("NetrwGetFile")
endfun

" s:NetrwMethod: determine method of transfer {}
" Input:
"   choice = url [protocol://[userid@]hostname[:port]/[path-to-file]
" Output:
"   b:netrw_method= 1: rcp
"   2: ftp + <.netrc>
"   3: ftp + machine, id, password, and [path]filename
"   4: scp
"   5: http (wget)
" 6: dav
" 7: rsync
" 8: fetch
" 9: sftp
" g:netrw_machine = hostname
" b:netrw_fname = filename
" g:netrw_port = optional port number (for ftp)
" g:netrw_choice = copy of input url (choice)

fun! s:NetrwMethod(choice)
   call Dfunc("NetrwMethod(a:choice<"."a:choice."">")

" record current g:netrw_machine, if any
" curmachine used if protocol == ftp and no .netrc
if exists("g:netrw_machine")
   let curmachine= g:netrw_machine
" call Decho("curmachine<"."curmachine."">")
else
   let curmachine= "N O T A HOST"
endif

" initialization
let b:netrw_method  = 0
let g:netrw_machine ="
let b:netrw_fname  ="
let g:netrw_port   ="
let g:netrw_choice= a:choice

" Patterns:
" mipf    : a:machine a:id password filename    Use ftp
" mf      : a:machine filename                  Use ftp + <.netrc> or g:netrw_uid s:netrw_passwd
" ftpurm  : ftp://[user@]host[/#]:port]/filename Use ftp + <.netrc> or g:netrw_uid s:netrw_passwd
" rcpurm  : rcp://[user@]host[/#]:port]/filename Use rcp
" rcp hf  : [user@]host[/#]:port]/filename        Use rcp
" httpurm : http://[user@]host[/#]:port]/filename Use wget
" davurm  : dav[s]://host[/#]:port]/path         Use cadaver/curl
" rsyncurm: rsync://host[/#]:port]/path          Use rsync
" fetchurm: fetch://[user@]host[/#]:port]/filename Use fetch (defaults to ftp, override for http)
" sftpurm : sftp://[user@]host[/#]:port]/filename Use sftp

let mipf   = "^[\S+]+\s+\^[S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\($[^@\]{}\)+\]$/"m
let mf     = "^[\S+]+\s+\([^/@\]{}\)+$/"m
let ftpurm = "^[ftp://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let rcpurm = "^[rcp://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let rcp hf = "^[rcp://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let scpurm = "^[scp://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let httpurm = "^[http://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let davurm = "^[davs://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let rsyncurm = "^[rsync://[\S+]+\s+\([^/@\]{}\)+\s+\([^/@\]{}\)+\]$/"m
let fetchurm = '
fetch://\(\([^/@\]\{-\})@\)\(:http\)\=/\(.*\)$'
let sftpurm = '
sftp://\(\([^/\]\{-\})\)\(\.*\)$'

" call Decho("determine method:")
" Determine Method
" rcp://user@hostname/...path-to-file
if match(a:choice,rcpurm) == 0
  " call Decho("rcp://...")
  let b:netrw_method = 1
  let userid = substitute(a:choice,rcpurm,\1","")
  let g:netrw_machine = substitute(a:choice,rcpurm,\2","")
  let b:netrw_fname = substitute(a:choice,rcpurm,\3","")
  if userid !="
    let g:netrw_uid= userid
  endif

" scp://user@hostname/...path-to-file
elseif match(a:choice,scpurm) == 0
  " call Decho("scp://...")
  let b:netrw_method = 4
  let g:netrw_machine = substitute(a:choice,scpurm,\1","")
  let g:netrw_port = substitute(a:choice,scpurm,\2","")
  let b:netrw_fname = substitute(a:choice,scpurm,\3","")

" http://user@hostname/...path-to-file
elseif match(a:choice,httpurm) == 0
  " call Decho("http://...")
  let b:netrw_method = 5
  let g:netrw_machine= substitute(a:choice,httpurm,\1","")
  let b:netrw_fname  = substitute(a:choice,httpurm,\2","")

" dav://hostname[:port]/..path-to-file..
elseif match(a:choice,davurm) == 0
  " call Decho("dav://...")
  let b:netrw_method= 6
  if a:choice =~ '^s'
    let g:netrw_machine= 'https://'.substitute(a:choice,davurm,\1/\2","")
  else
    let g:netrw_machine= 'http://'.substitute(a:choice,davurm,\1/\2","")
  endif
  let b:netrw_fname  = substitute(a:choice,davurm,\3","")

" rsync://user@hostname/...path-to-file
elseif match(a:choice,rsyncurm) == 0
  " call Decho("rsync://...")
  let b:netrw_method = 7
  let g:netrw_machine = substitute(a:choice,rsyncurm,\1","")
  let b:netrw_fname  = substitute(a:choice,rsyncurm,\2","")
" ftp://[user@]hostname[:#]port]/...path-to-file
elseif match(a:choice,ftpurm) == 0
    call Decho("ftp://...")
    let userid = substitute(a:choice,ftpurm,'2','"')
    let g:netrw_machine = substitute(a:choice,ftpurm,'3','"')
    let g:netrw_port = substitute(a:choice,ftpurm,'4','"')
    let b:netrw_fname = substitute(a:choice,ftpurm,'5','"')
    " call Decho("g:netrw_machine<".g:netrw_machine.";">")
    if userid != ""
        let g:netrw_uid = userid
    endif
    if exists("s:netrw_passwd") && curmachine != g:netrw_machine
        " if there's a change in hostname, require password re-entry
        unlet s:netrw_passwd
    endif
    if exists("g:netrw_uid") && exists("s:netrw_passwd")
        let b:netrw_method = 3
    else
        if s:FileReadable(expand("$HOME/.netrc")) && !g:netrw_ignorenetrc
            let b:netrw_method = 2
        else
            if !exists("g:netrw_uid") || g:netrw_uid == ""
                call NetUserPass()
            elseif !exists("s:netrw_passwd") || s:netrw_passwd == ""
                call NetUserPass(g:netrw_uid)
            " else just use current g:netrw_uid and s:netrw_passwd
            endif
            let b:netrw_method = 3
        endif
    endif
elseif match(a:choice,fetchurm) == 0
    " call Decho("fetch://...")
    let b:netrw_method = 8
    let g:netrw_userid = substitute(a:choice,fetchurm,'2','"')
    let g:netrw_machine = substitute(a:choice,fetchurm,'3','"')
    let b:netrw_option = substitute(a:choice,fetchurm,'4','"')
    let b:netrw_fname = substitute(a:choice,fetchurm,'5','"')
    " Issue an ftp : "machine id password [path/]filename"
elseif match(a:choice,mipf) == 0
    " call Decho("(ftp) host id pass file")
    let b:netrw_method = 3
    let g:netrw_machine = substitute(a:choice,mipf,'1','"')
    let g:netrw_uid = substitute(a:choice,mipf,'2','"')
    let s:netrw_passwd = substitute(a:choice,mipf,'3','"')
    let b:netrw_fname = substitute(a:choice,mipf,'4','"')
" Issue an ftp: "hostname [path/]filename"
else if match(a:choice,ftp) == 0
  " call Decho("(ftp) host file")
if exists("g:netrw_uid") && exists("s:netrw_passwd")
  let b:netrw_method = 3
  let g:netrw_machine = substitute(a:choice,\1","")
  let b:netrw_fname = substitute(a:choice,\2","")
elseif s:FileReadable(expand("$HOME/.netrc"))
  let b:netrw_method = 2
  let g:netrw_machine = substitute(a:choice,\1","")
  let b:netrw_fname = substitute(a:choice,\2","")
endif

" sftp://user@hostname/...path-to-file
else if match(a:choice,sftp) == 0
  " call Decho("sftp://...")
  let b:netrw_method = 9
  let g:netrw_machine = substitute(a:choice,sftp,\1","")
  let b:netrw_fname = substitute(a:choice,sftp,\2","")
elseif match(a:choice,rcp) == 0
  " call Decho("(rcp) [user@]host:file rcp$h","$")
  let b:netrw_method = 1
  let userid = substitute(a:choice,rcp,\2","")
  let g:netrw_machine = substitute(a:choice,rcp,\3","")
  let b:netrw_fname = substitute(a:choice,rcp,\4","")
  " call Decho(\1<.substitute(a:choice,rcp,\1","">")
  " call Decho(\2<.substitute(a:choice,rcp,\2","">")
  " call Decho(\3<.substitute(a:choice,rcp,\3","">")
  " call Decho(\4<.substitute(a:choice,rcp,\4","">")
if userid !=""
  let g:netrw_uid = userid
endif
else
  if !exists("g:netrw_quiet")
    call netrwErrorMsg(s:WARNING,"cannot determine method (format: protocol://[user@]hostname[:port]/[path])",45)
  endif
  let b:netrw_method = -1
endif

" remove any leading [:#] from port number
if g:netrw_port != ""
  let g:netrw_port = substitute(g:netrw_port,[#:\#]+",")
else
  let g:netrw_port ="
endif
endif

" call Decho("a:choice  <".a:choice.">")
" call Decho("b:netrw_method <".b:netrw_method.">")
" call Decho("g:netrw_machine<".g:netrw_machine."/>")
" call Decho("g:netrw_port  <".g:netrw_port.">")
" if exists("g:netrw_uid")"Decho
" call Decho("g:netrw_uid    <".g:netrw_uid.">")
" endif"Decho
" if exists("s:netrw_passwd")"Decho
" call Decho("s:netrw_passwd <".s:netrw_passwd.">")
" endif"Decho
" call Decho("b:netrw_fname  <".b:netrw_fname.">")
" call Dret("NetrwMethod : b:netrw_method=".b:netrw_method) endfun

"------------------------------------------------------------------------
" NetReadFixup: this sort of function is typically written by the user {{{2
" to handle extra junk that their system's ftp dumps
" into the transfer. This function is provided as an
" example and as a fix for a Windows 95 problem: in my
" experience, win95's ftp always dumped four blank lines
" at the end of the transfer.
if has("win95") && exists("g:netrw_win95ftp") && g:netrw_win95ftp
fun! NetReadFixup(method, line1, line2)
" call Dfunc("NetReadFixup(method<".a:method."> line1=".a:line1." line2=".a:line2.")")

"sanity checks -- attempt to convert inputs to integers
let method = a:method + 0
let line1  = a:line1 + 0
let line2  = a:line2 + 0
if type(method) != 0 || type(line1) != 0 || type(line2) != 0 || method < 0 || line1 <= 0 || line2 <= 0
" call Drett("NetReadFixup")
return
endif
if method == 3  " ftp (no <.netrc>)
let fourblanklines= line2 - 3
if fourblanklines >= line1
exe "silent ".fourblanklines.".".line2."g/^\s*$/d"
endif
endif

" call Drett("NetReadFixup")
endfun
endif

"----------------------------------------------------------------------------
" NetUserPass: set username and password for subsequent ftp transfer {}
" Usage: :call NetUserPass() -- will prompt for userid and password
" :call NetUserPass("uid")-- will prompt for password
" :call NetUserPass("uid","password") -- sets global userid and password
fun! NetUserPass(...)

" get/set userid
if a:0 == 0
  call Dfunc("NetUserPass(a:0<"a:0.">)")
if !exists("g:netrw_uid") || g:netrw_uid == ""
  " via prompt
  let g:netrw_uid= input('Enter username: ')
endif
else" from command line
  call Dfunc("NetUserPass(a:1<"a:1.">) {")
  let g:netrw_uid= a:1
endif

" get password
if a:0 <= 1 " via prompt
  call Decho("a:0="a:0." case <=1:")
  let s:netrw_passwd= inputsecret("Enter Password: ")
else " from command line
  call Decho("a:0="a:0." case >1: a:2<"a:2.">)")
  let s:netrw_passwd= a:2
endif
"  call Dret("NetUserPass")
endfun

" =================================================================
"  Shared Browsing Support:    { {1
" =================================================================

" s:BrowserMaps: { {2
fun! s:BrowserMaps(islocal)
  call Dfunc("s:BrowserMaps(islocal="islocal.") b:netrw_curdir<"b:netrw_curdir.">")
if a:islocal
  " call Decho("make local maps")
  nnoremap <buffer> <silent> <cr>:call
  netrw#LocalBrowseCheck(<SID>NetrwBrowseChgDir(1,<SID>NetrwGetWord()))<cr>
  nnoremap <buffer> <silent> :exe "norm! 0"<bar>call
  netrw#LocalBrowseCheck(<SID>NetrwBrowseChgDir(1,'..'))<cr>
  nnoremap <buffer> <silent> a:<c-u>call <SID>NetrwHide(1)<cr>
  nnoremap <buffer> <silent> mb:<c-u>call <SID>NetrwBookHistHandler(0,b:netrw_curdir)<cr>
  nnoremap <buffer> <silent> mc:<c-u>call <SID>NetrwMarkFileCopy(1)<cr>
  nnoremap <buffer> <silent> md:<c-u>call <SID>NetrwMarkFileDiff(1)<cr>
nnoremap <buffer> <silent> <s-down>:Nexplore<cr>
endif
if s:didstarstar || !mapcheck("<s-up>","n")
nnoremap <buffer> <silent> <s-up>:Pexplore<cr>
endif
let mapsafecurdir = escape(b:netrw_curdir, s:netrw_map_escape)
if g:netrw_mousesmaps == 1
nnoremap <buffer> <silent> <leftmouse>:call <SID>NetrwLeftmouse(1)<cr>
nnoremap <buffer> <silent> <middlemouse>:call <SID>NetrwPrevWinOpen(1)<cr>
nnoremap <buffer> <silent> <s-leftmouse>:call <SID>NetrwMarkFile(1,<SID>NetrwGetWord())<cr>
exe 'nnoremap <buffer> <silent> <rightmouse>:call <SID>NetrwLocalRm("'.mapsafecurdir.'")<cr>'
exe 'vnoremap <buffer> <silent> <rightmouse>:call <SID>NetrwLocalRm("'.mapsafecurdir.'")<cr>'
endif
exe 'nnoremap <buffer> <silent> <del>:call <SID>NetrwLocalRm("'.mapsafecurdir.'")<cr>'
exe 'vnoremap <buffer> <silent> <del>:call <SID>NetrwLocalRm("'.mapsafecurdir.'")<cr>'
exe 'nnoremap <buffer> <silent> D:call <SID>NetrwLocalRm("'.mapsafecurdir.'")<cr>'
exe 'vnoremap <buffer> <silent> D:call <SID>NetrwLocalRm("'.mapsafecurdir.'")<cr>'
exe 'nnoremap <buffer> <silent> R:call <SID>NetrwLocalRename("'.mapsafecurdir.'")<cr>'
exe 'vnoremap <buffer> <silent> R:call <SID>NetrwLocalRename("'.mapsafecurdir.'")<cr>'
exe 'nnoremap <buffer> <silent> <Leader>m:call <SID>NetrwMakeDir(""")<cr>
nnoremap <buffer> <F1>:call <SID>Netrw-quickhelp<cr>
else " remote"
call Decho("make remote maps")
call s:RemotePathAnalysis(b:netrw_curdir)
nnoremap <buffer> <silent> <cr>:call <SID>NetrwBrowse(0,<SID>NetrwBrowseChgDir(0,<SID>NetrwGetWord()))<cr>
nnoremap <buffer> <silent> <c-l>:call <SID>NetrwRefresh(0,<SID>NetrwBrowseChgDir(0,'./'))<cr>
nmoremap <buffer> <silent> :exe "norm! 0"<bar>call <SID>NetrwBrowse(0,<SID>NetrwBrowseChgDir(0,'./'))<cr>
nmoremap <buffer> <silent> :a:call <SID>NetrwHide(0)<cr>
nmoremap <buffer> <silent> mb:<c-u>call <SID>NetrwBookHistHandler(0,b:netrw_curdir)<cr>
nmoremap <buffer> <silent> mc:<c-u>call <SID>NetrwMarkFileCopy(0)<cr>
nmoremap <buffer> <silent> md:<c-u>call <SID>NetrwMarkFileDiff(0)<cr>
nmoremap <buffer> <silent> me:<c-u>call <SID>NetrwMarkFileEdit(0)<cr>
nmoremap <buffer> <silent> mf:<c-u>call <SID>NetrwMarkFile(0,<SID>NetrwGetWord())<cr>
nmoremap <buffer> <silent> mg:<c-u>call <SID>NetrwMarkFileGrep(0)<cr>
nmoremap <buffer> <silent> mh:<c-u>call <SID>NetrwMarkHideSfx(0)<cr>
nmoremap <buffer> <silent> mm:<c-u>call <SID>NetrwMarkFileMove(0)<cr>
nmoremap <buffer> <silent> mp:<c-u>call <SID>NetrwMarkFilePrint(0)<cr>
nmoremap <buffer> <silent> m:call <SID>NetrwMarkFileRegexp(0)<cr>
nmoremap <buffer> <silent> ms:<c-u>call <SID>NetrwMarkFileSource(0)<cr>
nmoremap <buffer> <silent> mT:<c-u>call <SID>NetrwMarkFileTag(0)<cr>
nmoremap <buffer> <silent> mt:<c-u>call <SID>NetrwMarkFileTgt(0)<cr>
nmoremap <buffer> <silent> mu:<c-u>call <SID>NetrwUnMarkFile(0)<cr>
nmoremap <buffer> <silent> mx:<c-u>call <SID>NetrwMarkFileExe(0)<cr>
nmoremap <buffer> <silent> mz:<c-u>call <SID>NetrwMarkFileCompress(0)<cr>
nnoremap <buffer> <silent> gb:<c-u>call <SID>NetrwBookHistHandler(1,b:netrw_cur)<cr>
nnoremap <buffer> <silent> gh:<c-u>call <SID>NetrwHidden(0)<cr>
nnoremap <buffer> <silent> C:let g:netrw_chgwin= winnr()<cr>
nnoremap <buffer> <silent> i:call <SID>NetrwListStyle(0)<cr>
nnoremap <buffer> <silent> o:call <SID>NetrwSplit(0)<cr>
nnoremap <buffer> <silent> O:call <SID>NetrwObtain(0)<cr>
nnoremap <buffer> <silent> p:call
<SID>NetrwPreview(<SID>NetrwBrowseChgDir(1,<SID>NetrwGetWord(),1),1)<cr>
nnoremap <buffer> <silent> P:call <SID>NetrwPrevWinOpen(0)<cr>
nnoremap <buffer> <silent> qb:<c-u>call <SID>NetrwBookHistHandler(2,b:netrw_curdir)<cr>
nnoremap <buffer> <silent> mB:<c-u>call <SID>NetrwBookHistHandler(6,b:netrw_curdir)<cr>
nnoremap <buffer> <silent> qf:<c-u>call <SID>NetrwFileInfo(0,<SID>NetrwGetWord())<cr>
nnoremap <buffer> <silent> q:let g:netrw_sort_direction= (g:netrw_sort_direction =~ 'n')? 'r' : 'n'<bar>exe "norm! 0挡call <SID>NetrwBrowse(0,<SID>NetrwBrowseChgDir(0,'./'))<cr>
nnoremap <buffer> <silent> S:call <SID>NetSortSequence(0)<cr>
nnoremap <buffer> <silent> t:call <SID>NetrwSplit(1)<cr>
nnoremap <buffer> <silent> u:<c-u>call <SID>NetrwBookHistHandler(4,b:netrw_curdir)<cr>
nnoremap <buffer> <silent> u:call <SIDE>NetrwBookHistHandler(5,b:netrw_curdir)<cr>
nnoremap <buffer> <silent> v:call <SID>NetrwSplit(2)<cr>
nnoremap <buffer> <silent> x:call
netrw#NetrwBrowseX(<SID>NetrwBrowseChgDir(0,<SID>NetrwGetWord()),1)<cr>
nnoremap <buffer> <silent> %:call <SID>NetrwOpenFile(0)<cr>
if !hasmapto('<Plug>NetrwHideEdit')
nmap <buffer> <c-h> <Plug>NetrwHideEdit
endif
nnoremap <buffer> <silent> <Plug>NetrwHideEdit:call <SID>NetrwHideEdit(0)<cr>
if !hasmapto('<Plug>NetrwRefresh')
nmap <buffer> <c-l> <Plug>NetrwRefresh
endif

let mapsafepath = escape(s:path, s:netrw_map_escape)
let mapsafeusermach = escape(s:user.s:machine, s:netrw_map_escape)
nnoremap <buffer> <silent> <Plug>NetrwRefresh:call
<SID>NetrwRefresh(0,<SID>NetrwBrowseChgDir(0,'./'))<cr>
if g:netrw_mousemaps != 1
nnoremap <buffer> <silent> <leftmouse> <leftmouse>:call <SID>NetrwLeftmouse(0)<cr>
nnoremap <buffer> <silent> <middlemouse> <leftmouse>:call <SID>NetrwPrevWinOpen(0)<cr>
nnoremap <buffer> <silent> <leftmouse>:call <SID>NetrwMarkFile(0,<SID>NetrwGetWord())<cr>
exe 'nnoremap <buffer> <silent> <rightmouse> <leftmouse>:call
<SID>NetrwRemoteRm("".mapsafeusermach.""."".mapsafepath."")<cr>
exe 'vnoremap <buffer> <silent> <rightmouse> <leftmouse>:call
<SID>NetrwRemoteRm("".mapsafeusermach.""."".mapsafepath."")<cr>
endif
exe 'nnoremap <buffer> <silent> <del>:call <SID>NetrwRemoteRm("".mapsafeusermach.""."".mapsafepath."")<cr>
exe 'vnoremap <buffer> <silent> <del>:call <SID>NetrwRemoteRm("".mapsafeusermach.""."".mapsafepath."")<cr>
exe 'nnoremap <buffer> <silent> d:call <SID>NetrwMakeDir("'.mapsafeusermach.'")<cr>'
exe 'nnoremap <buffer> <silent> D:call <SID>NetrwRemoteRm("'.mapsafeusermach.'","'.mapsafepath.'")<cr>'
exe 'vnoremap <buffer> <silent> D:call <SID>NetrwRemoteRm("'.mapsafeusermach.'","'.mapsafepath.'")<cr>'
exe 'nnoremap <buffer> <silent> R:call <SID>NetrwRemoteRename("'.mapsafeusermach.'","'.mapsafepath.'")<cr>'
exe 'vnoremap <buffer> <silent> R:call <SID>NetrwRemoteRename("'.mapsafeusermach.'","'.mapsafepath.'")<cr>'
noremap <buffer> <F1>:he netrw-quickhelp<cr>
endif

call s:SetRexDir(a:islocal,b:netrw_curdir)
" call Dret("s:BrowserMaps")
endfun

"  " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " " 

echo "bookmarked the current directory"

elseif a:chg == 1
  " change to the bookmarked directory
  " call Decho("(user: <v:count>.mb>) change to the bookmarked directory")
  if exists("g:netrw_bookmarklist[v:count-1]")
    exe "e ".fnameescape(g:netrw_bookmarklist[v:count-1])
  else
    echomsg "Sorry, bookmark#.v:count." doesn't exist!"
  endif

elseif a:chg == 2
  " redraw!
  let didwork= 0
  " list user's bookmarks
  " call Decho("(user: <q>) list user's bookmarks")
  if exists("g:netrw_bookmarklist")
    call Decho('list '.len(g:netrw_bookmarklist).'. bookmarks')
    let cnt= 1
    for bmd in g:netrw_bookmarklist
      " call Decho("Netrw Bookmark#.cnt.": ".g:netrw_bookmarklist[cnt-1])
      echo "Netrw Bookmark#.cnt.": ".g:netrw_bookmarklist[cnt-1]
      let didwork = 1
      let cnt = cnt + 1
    endfor
  endif

  " list directory history
  let cnt = g:netrw_dirhist_cnt
  let first = 1
  let histcnt = 0
  while ( first || cnt != g:netrw_dirhist_cnt )
    " call Decho("first=.first. cnt=.cnt. dirhist_cnt=.g:netrw_dirhist_cnt")
    let histcnt= histcnt + 1
    if exists("g:netrw_dirhist_{cnt}")
      " call Decho("Netrw History#.histcnt.": ".g:netrw_dirhist_{cnt}")
      echo "Netrw History#.histcnt.": ".g:netrw_dirhist_{cnt}
      let didwork= 1
    endif
    let first = 0
    let cnt = ( cnt - 1 ) % g:netrw_dirhistmax
    if cnt < 0
      let cnt= cnt + g:netrw_dirhistmax
    endif
  endwhile
  if didwork
    call inputsave)|call input("Press <cr> to continue")|call inputrestore()
  endif
elseif a:chg == 3
" saves most recently visited directories (when they differ)
" call Decho("(browsing) record curdir history")
if !exists("g:netrw_dirhist_cnt") || !exists("g:netrw_dirhist_{g:netrw_dirhist_cnt}") ||
g:netrw_dirhist_{g:netrw_dirhist_cnt} != a:curdir
    let g:netrw_dirhist_cnt = ( g:netrw_dirhist_cnt + 1 ) % g:netrw_dirhistmax
    let g:netrw_dirhist_{g:netrw_dirhist_cnt} = a:curdir
" call Decho("save dirhist#".g:netrw_dirhist_cnt."<".g:netrw_dirhist_{g:netrw_dirhist_cnt}.">")
endif
elseif a:chg == 4
" u: change to the previous directory stored on the history list
" call Decho("(user: <u>) chg to prev dir from history")
let g:netrw_dirhist_cnt= ( g:netrw_dirhist_cnt - 1 ) % g:netrw_dirhistmax
if g:netrw_dirhist_cnt < 0
    let g:netrw_dirhist_cnt= g:netrw_dirhist_cnt + g:netrw_dirhistmax
endif
if exists("g:netrw_dirhist_{g:netrw_dirhist_cnt}")
    call Decho("changedir u#".g:netrw_dirhist_cnt."<".g:netrw_dirhist_{g:netrw_dirhist_cnt}.">")
if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && exists("b:netrw_curdir")
        setlocal ma noro
    " call Decho("setlocal ma noro")
        %d
        setlocal nomod
    " call Decho("setlocal nomod")
endif
"    " call Decho("exe ! ".fnameescape(g:netrw_dirhist_{g:netrw_dirhist_cnt}))
    exe "! ".fnameescape(g:netrw_dirhist_{g:netrw_dirhist_cnt})
else
    let g:netrw_dirhist_cnt= ( g:netrw_dirhist_cnt + 1 ) % g:netrw_dirhistmax
    echo "Sorry, no predecessor directory exists yet"
endif
elseif a:chg == 5
" U: change to the subsequent directory stored on the history list
" call Decho("(user: <U>) chg to next dir from history")
let g:netrw_dirhist_cnt= ( g:netrw_dirhist_cnt + 1 ) % g:netrw_dirhistmax
if exists("g:netrw_dirhist_{g:netrw_dirhist_cnt}")
    call Decho("changedir U#".g:netrw_dirhist_cnt."<".g:netrw_dirhist_{g:netrw_dirhist_cnt}.">")
if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && exists("b:netrw_curdir")
        setlocal ma noro
    " call Decho("setlocal ma noro")
        %d
        setlocal nomod
    " call Decho("setlocal nomod")
endif
" call Decho("exe e! ".fnameescape(g:netrw_dirhist_{g:netrw_dirhist_cnt}))
exe "e! ".fnameescape(g:netrw_dirhist_{g:netrw_dirhist_cnt})
else
let g:netrw_dirhist_cnt= ( g:netrw_dirhist_cnt - 1 ) % g:netrw_dirhistmax
if g:netrw_dirhist_cnt < 0
let g:netrw_dirhist_cnt= g:netrw_dirhist_cnt + g:netrw_dirhistmax
endif
echo "Sorry, no successor directory exists yet"
endif
elseif a:chg == 6
" delete the v:count'th bookmark
" call Decho("delete bookmark#".v:count."<".g:netrw_bookmarklist[v:count-1].">")
let savefile= s:NetrwHome()."/.netrwbook"
if filereadable(savefile)
call s:NetrwBookHistSave() " done here to merge bookmarks first
call delete(savefile)
endif
call remove(g:netrw_bookmarklist,v:count-1)
endif
call s:NetrwBookmarkMenu()
" call Dret("NetrwBookHistHandler")
endfun

" ---------------------------------------------------------------------
" s:NetrwBookHistRead: this function reads bookmarks and history {{{2
" Sister function: s:NetrwBookHistSave()
fun! s:NetrwBookHistRead()
if !exists("s:netrw_initbookhist")
let savefile= s:NetrwHome()."/.netrwbook"
if filereadable(savefile)
call Decho("sourcing .netrwbook")
exe "so ".savefile
endif
let savefile= s:NetrwHome()."/.netrwhist"
if filereadable(savefile)
call Decho("sourcing .netrwhist")
exe "so ".savefile
endif
let s:netrw_initbookhist= 1
au VimLeave * call s:NetrwBookHistSave()
endif
" call Dret("s:NetrwBookHistRead")
endfun

" ---------------------------------------------------------------------
" s:NetrwBookHistSave: this function saves bookmarks and history {{{2
" Sister function: s:NetrwBookHistRead()
" I used to do this via viminfo but that appears to
" be unreliable for long-term storage
" COMBAK: does $HOME work under windows???
fun! s:NetrwBookHistSave()  
" call Dfunc("s:NetrwBookHistSave() dirhistmax=",g:netrw_dirhistmax)  
let savefile= s:NetrwHome()."/.netrwhist"
1split
  enew
  setlocal noswf

" save .netrwhist -- no attempt to merge
file .netrwhist
  call setline(1,'let g:netrw_dirhistmax =",".g:netrw_dirhistmax)
  call setline(2,'let g:netrw_dirhist_cnt =",".g:netrw_dirhist_cnt)
  let lastline = line("$")
  let cnt = 1
  while cnt <= g:netrw_dirhist_cnt
    call setline((cnt+lastline),'let g:netrw_dirhist_'.cnt."='",".g:netrw_dirhist_{cnt}$."")
    let cnt= cnt + 1
  endwhile
  exe "silent! w! ".savefile
  %d

if exists("g:netrw_bookmarklist") && g:netrw_bookmarklist != []
" merge and write .netrwbook
  let savefile= s:NetrwHome()."/.netrwbook"
    if filereadable(savefile)
      let booklist= deepcopy(g:netrw_bookmarklist)
      exe "silent so ".savefile
      for bdm in booklist
        if index(g:netrw_bookmarklist,bdm) == -1
          call add(g:netrw_bookmarklist,bdm)
        endif
      endfor
      call sort(g:netrw_bookmarklist)
      exe "silent! w! ".savefile
    endif
    let bgone= bufnr("%")
    q!
    exe bgone."bwipe!"
" construct and save .netrwbook
  call setline(1,'let g:netrw_bookmarklist= ",.string(g:netrw_bookmarklist))
  exe "silent! w! ".savefile
  endif
  let bgone= bufnr("%")
  q!
  exe bgone."bwipe!"
"
call Dret("s:NetrwBookHistSave")
endfun

" s:NetrwBrowse: This function uses the command in g:netrw_list_cmd to provide a list of the contents of a local or remote directory. It is assumed that the liststyle= g:netrw_liststyle has a string, USEPORT HOSTNAME, that needs to be substituted with the requested remote hostname first.
fun! s:NetrwBrowse(islocal,dirname)
if !exists("w:netrw_liststyle")|let w:netrw_liststyle= g:netrw_liststyle|endif
"   call Decho("tab#".tabpagenr()." win#".winnr())
"   call Dredir("ls!")
if !exists("s:netrw_initbookhist")
call s:NetrwBookHistRead()
endif

if exists("s:netrw_skipbrowse")
   unlet s:netrw_skipbrowse
   call Decho("ro=".&l:ro." ma="&l:ma." mod="&l:mod." wrap="&l:wrap")
   call Dret("s:NetrwBrowse : s:netrw_skipbrowse=".s:netrw_skipbrowse")
return
endif
if !exists("*shellescape")
call netrw#ErrorMsg(s:ERROR,"netrw can't run -- your vim is missing shellescape()",69)
   call Dret("s:NetrwBrowse : missing shellescape()")
return
endif
if !exists("*fnameescape")
call netrw#ErrorMsg(s:ERROR,"netrw can't run -- your vim is missing fnameescape()",70)
   call Dret("s:NetrwBrowse : missing fnameescape()")
return
endif

call s:NetrwOptionSave("w:"

call s:NetrwSafeOptions()

" re-instate any marked files
if exists("s:netrwmarkfilelist_[bufnr('%')]")
   call Decho("clearing marked files")
   exe "2match netrwMarkFile /".s:netrwmarkfilemtch_[bufnr("%")]./" endif

if a:islocal && exists("w:netrw_acdkeep") && w:netrw_acdkeep
   call Decho("handle w:netrw_acdkeep:")
   call Decho("keepjumps lcd ".fnameescape(a:dirname)." (due to w:netrw_acdkeep=".w:netrw_acdkeep." -acd=".&acd.")(")

exe 'keepjumps lcd '.fnameescape(a:dirname)
" call Decho("getcwd<".getcwd().">")

elseif !a:islocal && a:dirname !~ '[\]/$' && a:dirname !~ '^"'
" looks like a regular file, attempt transfer
" call Decho("attempt transfer as regular file<".a:dirname.">")

" remove any filetype indicator from end of dirname, except for the {{3
" "this is a directory" indicator (/).
" There shouldn't be one of those here, anyway,
let path= substitute(a:dirname,'[^=\@|\]\=$','','e')
" call Decho("new path<".path.">")
call s:RemotePathAnalysis(a:dirname)

" remote-read the requested file into current buffer {{3
mark '
call s:NetrwEnew(a:dirname)
setlocal ma noro
" call Decho("setlocal ma noro")
let b:netrw_curdir= a:dirname
call s:RemotePathAnalysis(a:dirname)
" call Decho("exe silent! keepalt file ".fnameescape(s:method."://".s:user.s:emachine."/".s:path)." (bt=".&bt.")")
exe "silent! keepalt file ".fnameescape(s:method."://".s:user.s:emachine."/".s:path)
exe "silent keepalt doau BufReadPre ".fnameescape(s:fname)
silent call netrw#NetRead(2,s:method."://".s:user.s:emachine."/".s:path)
if s:path !~ '.tar.bz2$' && s:path !~ '.tar.gz'
" netrw.vim and tar.vim have already handled decompression of the tarball; avoiding gzip.vim error
exe "silent keepalt doau BufReadPost ".fnameescape(s:fname)
endif

" save certain window-oriented variables into buffer-oriented variables {{3
call s:SetBufWinVars()
call s:NetrwOptionRestore("w:")
setlocal ma nomod
" call Decho("ro="&l:ro." ma="&l:ma." mod="&l:mod." wrap="&l:wrap")
" call Dret("s:NetrwBrowse : file<".s:fname.">")
return
endif

" use buffer-oriented WinVars if buffer ones exist but window ones don't {{3
call s:UseBufWinVars()

" set up some variables {{3
let b:netrw_browser_active = 1
let dirname = a:dirname
let s:last_sort_by = g:netrw_sort_by
" set up menu {{3
call s:NetrwMenu(1)

" set up buffer {{3
let reusing= s:NetrwGetBuffer(a:islocal,dirname)
" maintain markfile highlighting
if exists("s:netrwmarkfilemtch_{bufnr('%')}" && s:netrwmarkfilemtch_{bufnr("%")}) != ""
" call Decho("bufnr(%)=".bufnr('%'))
" call Decho("exe 2match netrwMarkFile "/.s:netrwmarkfilemtch_{bufnr("%")}."/")
exe "2match netrwMarkFile "/.s:netrwmarkfilemtch_{bufnr("%")}."/
else
" call Decho("2match none")
2match none
endif
if reusing
  call s:NetrwOptionRestore("w:"
  setlocal noma nomod nowrap
" call Dret("s:NetrwBrowse : re-using buffer")
return
endif

" set b:netrw_curdir to the new directory name {{3
" call Decho("set b:netrw_curdir to the new directory name:")
let b:netrw_curdir= dirname
if b:netrw_curdir =~ '/\$'
  let b:netrw_curdir= substitute(b:netrw_curdir,'[/\$]',"'
endif
if b:netrw_curdir == "
if has("amiga")
  " On the Amiga, the empty string connotes the current directory
  let b:netrw_curdir= getcwd()
else
  " under unix, when the root directory is encountered, the result
  " from the preceding substitute is an empty string.
  let b:netrw_curdir= '/'
endif
endif
if !a:islocal && b:netrw_curdir !~ '/$'
  let b:netrw_curdir= b:netrw_curdir.'/'
endif
" call Decho("b:netrw_curdir<":"b:netrw_curdir.">)

" " " {{3
" (local only) {{3
" " " {{3
if a:islocal
" call Decho("local only:"
" Set up ShellCmdPost handling. Append current buffer to browselist
  call s:LocalFastBrowser()

" handle g:netrw_keepdir: set vim's current directory to netrw's notion of the current directory {{3
if !g:netrw_keepdir
  call Decho("handle g:netrw_keepdir=".g:netrw_keepdir."; getcwd<".getcwd()."> acd=".&acd)
  call Decho("l:acd".(exists("&l:acd")? "=".&l:acd : " doesn't exist"))
  if !exists("&l:acd") || !&l:acd
    call Decho('exe keepjumps lcd '.fnameescape(b:netrw_curdir))
  try
    exe 'keepjumps lcd '.fnameescape(b:netrw_curdir)
    catch /^Vim\%((\a\+))\=:\E472/
      call netrw#ErrorMsg(s:ERROR,"unable to change directory to <".b:netrw_curdir."> (permissions?)",61)
      if exists("w:netrw_prvdir")
        let b:netrw_curdir= w:netrw_prvdir
        else
          call s:NetrwOptionRestore("w:")
      setlocal nomatabmod nowrap
      let b:netrw_curdir= dirname
        call Dret("s:NetrwBrowse : reusing buffer#".(exists("bufnum")? bufnum : 'N/A')."<".dirname.">")
      getcwd<".getcwd().">")
    return
  endif
  endif
else
  call Decho("remote only:"

" analyze a:dirname and g:netrw_list_cmd {{4
" call Decho("b:netrw_curdir".(exists("b:netrw_curdir")? b:netrw_curdir : "doesn't exist")")
  a:dirname"."a:dirname.">)")
if a:dirname =~ "^NetrwTreeListing">
  let dirname= b:netrw_curdir
  else
call Decho((dirname was ".a:dirname.") dirname<".dirname.">)")
  elseif exists("w:netrw_liststyle") && &w:netrw_liststyle == s:TREELIST && exists("b:netrw_curdir")
  let dirname= substitute(b:netrw_curdir,"\",/\"/\",'g')
  if dirname !~ /S/
    let dirname= dirname:"/
  endif
  let b:netrw_curdir = dirname
  " call Decho((liststyle is TREELIST) dirname<".dirname.">)")
else
let dirname = substitute(a:dirname,'\\','/','g')
" call Decho("(normal) dirname<".dirname.">")
endif
let dirpat = '^\(\w\{-}\)://\(\w\+@\)\=\([^/]\+\)/\(.*\)$'
if dirname !~ dirpat
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"netrw doesn't understand your dirname<".dirname.">",20)
endif
call s:NetrwOptionRestore("w:")
setlocal noma nomod nowrap
" call Dret("s:NetrwBrowse : badly formatted dirname<".dirname.">")
return
endif
let b:netrw_curdir= dirname
" call Decho("b:netrw_curdir<".b:netrw_curdir."> (remote)")
endif " (additional remote handling)
" ----------------------" Directory Listing: {{{3
" ----------------------call s:BrowserMaps(a:islocal)
call s:PerformListing(a:islocal)
" The s:LocalBrowseShellCmdRefresh() function is called by an autocmd
" installed by s:LocalFastBrowser() when g:netrw_fastbrowse <= 1 (ie. slow, medium speed).
" However, s:NetrwBrowse() causes the ShellCmdPost event itself to fire once; setting
" the variable below avoids that second refresh of the screen. The s:LocalBrowseShellCmdRefresh()
" function gets called due to that autocmd; it notices that the following variable is set
" and skips the refresh and sets s:locbrowseshellcmd to zero. Oct 13, 2008
let s:locbrowseshellcmd= 1
" call Dret("s:NetrwBrowse : did PerformListing")
return
endfun
" --------------------------------------------------------------------" s:NetrwFileInfo: supports qf (query for file information) {{{2
fun! s:NetrwFileInfo(islocal,fname)
" call Dfunc("s:NetrwFileInfo(islocal=".a:islocal." fname<".a:fname.">)")
if a:islocal
if (has("unix") || has("macunix")) && executable("/bin/ls")
if exists("b:netrw_curdir")
" call Decho('using ls with b:netrw_curdir<'.b:netrw_curdir.'>')
if b:netrw_curdir =~ '/$'
echo system("/bin/ls -lsad ".shellescape(b:netrw_curdir.a:fname))

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else
    echo system("/bin/ls -lsad ".shellescape(b:netrw_curdir."/":a:fname))
endif
else
    call Decho('using ls '.a:fname." using cwd<".getcwd()."">
    echo system("/bin/ls -lsad ".shellescape(a:fname))
endif
else
    " use vim functions to return information about file below cursor
    call Decho("using vim functions to query for file info")
    if !isdirectory(a:fname) && !filereadable(a:fname) && a:fname =~ ![@/]
    let fname= substitute(a:fname,",","","")
    else
    let fname= a:fname
    endif
    let t  = getftime(fname)
    let sz = getfsize(fname)
    echo a:fname.":  ".sz."  ".strftime(g:netrw_timefmt,getftime(fname))
    " call Decho(a:fname.":  ".sz."  ".strftime(g:netrw_timefmt,getftime(fname)))
endif
else
    echo "sorry, "qf\" not supported yet for remote files"
endif
" call Dret("s:NetrwFileInfo")
endfun

" ..............................................................................
" s:NetrwGetBuffer: {{2
" returns 0=cleared buffer
" 1=re-used buffer
fun! s:NetrwGetBuffer(islocal,dirname)
    call Dfunc("s:NetrwGetBuffer(islocal=".a:islocal." dirname<".a:dirname.;">) liststyle=".g:netrw_liststyle"
    let dirname= a:dirname
    " re-use buffer if possible {{3
    " call Decho("--re-use a buffer if possible--")
    if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST
        " find NetrwTreeList buffer if there is one
    if exists("w:netrw_treebufnr") && w:netrw_treebufnr > 0
        " call Decho(" re-use w:netrw_treebufnr=".w:netrw_treebufnr")
    let eikeep= &ei
    set ei=all
    exe "b ".w:netrw_treebufnr
    let &ei= eikeep
    " call Dret("s:NetrwGetBuffer : bufnum#".w:netrw_treebufnr."<NetrwTreeListing>")
        return
    endif
    let bufnum= -1
" call Decho(" liststyle=TREE but w:netrw_treebufnr doesn't exist")

else
" find buffer number of buffer named precisely the same as dirname {{3
" call Decho("--find buffer number of buffer named precisely the same as dirname--")
" call Dredir("ls!")

" get dirname and associated buffer number
let bufnum = bufnr(escape(dirname,\'))
" call Decho(" find buffer<".dirname."'>s number ")
" call Decho(" bufnr(dirname<".dirname."'),"'>)=".bufnum)

if bufnum < 0 && dirname !~ '/$'
" trying appending a trailing /
" call Decho(" try appending a trailing / to dirname<".dirname."'>")
let bufnum= bufnr(escape(dirname,'/',\'))
if bufnum > 0
 let dirname= dirname.'/'
endif
endif

if bufnum < 0 && dirname =~ '/$'
" trying removing a trailing /
" call Decho(" try removing a trailing / from dirname<".dirname."'>")
let bufnum= bufnr(escape(substitute(dirname,'/$','\''),\'))
if bufnum > 0
 let dirname= substitute(dirname,'/$','")
endif
endif

" call Decho(" findbuf1: bufnum=bufnr('".dirname."')=".bufnum." bufname(\".bufnum.")<".bufname(bufnum).""> (initial)"")
" note: !~ was used just below, but that means using ./' to go back would match (ie. abc/def/ and abc/ matches)
if bufnum > 0 && bufname(bufnum) != dirname && bufname(bufnum) != '.'
 " handle approximate matches
" call Decho(" handling approx match: bufnum#%d<".bufname(bufnum)."> approx=dirname<".dirname."'>")
let ibuf    = 1
let buflast = bufnr("$")
while ibuf <= buflast
let bname= substitute(bufname(ibuf),'\','/','g')
let bname= substitute(bname,'.\zs/$','','')
" call Decho(" findbuf3: dirname<".dirname."> bufname(".ibuf.")<".bname."'>")
if bname != " && dirname =~ '/'.bname.'/$' | break | endif
if bname =~ '^'.dirname.'/$'     | break | endif
let ibuf= ibuf + 1
endwhile
if ibuf > buflast
    let bufnum= -1
else
    let bufnum= ibuf
endif
" call Decho(" findbuf4: bufnum=".bufnum." (ibuf=".ibuf." buflast=".buflast."))
endif
endif

" get enew buffer and name it -or- re-use buffer {{3
" call Decho("--get enew buffer and name it OR re-use buffer-- (bufnum=".bufnum."))
mark '
if bufnum < 0 || !bufexists(bufnum)
call s:NetrwEnew(dirname)
" call Decho(" got enew buffer#".bufnr("%")." (altrib<".expand("#"."."))")
" name the buffer
if exists("w:netrw_liststyle") & w:netrw_liststyle == s:TREELIST
" Got enew buffer; transform into a NetrwTreeListing
" call Decho("--transform enew buffer#".bufnr("%")." into a NetrwTreeListing --")
if !exists("s:netrw_treelistnum")
let s:netrw_treelistnum= 1
else
    let s:netrw_treelistnum= s:netrw_treelistnum + 1
endif
let w:netrw_treebufnr= bufnr("%")
" call Decho(" exe silent! keepalt file NetrwTreeListing ".fnameescape(s:netrw_treelistnum))
exe 'silent! keepalt file NetrwTreeListing\'.fnameescape(s:netrw_treelistnum)
nnoremap <silent> <buffer> [[:silent call <SID>TreeListMove([']<cr>
noremap <silent> <buffer> [:silent call <SID>TreeListMove([')]<cr>
noremap <silent> <buffer> [][:silent call <SID>TreeListMove([']<cr>
noremap <silent> <buffer> [][:silent call <SID>TreeListMove([')]<cr>
" call Decho(" tree listing#".s:netrw_treelistnum." bufnr=".w:netrw_treebufnr")
else
    let v:errmsg= " " Decho
    let escdirname= fnameescape(dirname)
" call Decho(" errmsg<".v:errmsg.">
bufnr(".escdirname.")=".bufnr(escdirname)."<".bufname(bufnr(escdirname))."">")
" call Decho(" exe silent! keepalt file ".escdirname)
exe 'silent! keepalt file ".escdirname
" call Decho(" errmsg<".v:errmsg.">
bufnr(".escdirname.")=".bufnr(escdirname)."<".bufname(bufnr(escdirname))."">")
endif
" call Decho(" named enew buffer#".bufnr("%")."<".bufname("%")."">")
else " Re-use the buffer
" call Decho("--re-use buffer#".bufnum.: --")
let eikeep= &e
set ei=all
if getline(2) =~ '^" Netrw Directory Listing'
" call Decho(" re-use buffer#".bufnum."<".((bufnum > 0)? bufname(bufnum) : "")."> using: keepalt b ".bufnum)
exe "keepalt b ".bufnum
else
" call Decho(" reusing buffer#".bufnum."<".((bufnum > 0)? bufname(bufnum) : "")."> using: b ".bufnum)
exe "b ".bufnum
endif
if bufname("%") == '.'
" call Decho("exe silent! keepalt file ".fnameescape(getcwd()))
exe "silent! keepalt file ".fnameescape(getcwd())
endif
let &ei= eikeep
if line("$") <= 1
call s:NetrwListSettings(a:islocal)
" call Dret("s:NetrwGetBuffer 0 : re-using buffer#".bufnr("%").", but its empty, so refresh it")
return 0
elseif exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST
" call Decho("--re-use tree listing--")
" call Decho(" clear buffer<".expand("%")."> with :%d")
silent %d
call s:NetrwListSettings(a:islocal)
" call Dret("s:NetrwGetBuffer 0 : re-using buffer#".bufnr("%").", but treelist mode always needs a refresh")
return 0
else
" call Dret("s:NetrwGetBuffer 1 : buf#".bufnr("%"))
return 1
endif
endif
" do netrw settings: make this buffer not-a-file, modifiable, not line-numbered, etc {{{3
" fastbrowse Local Remote Hiding a buffer implies it may be re-used (fast)
" slow 0
D
D
Deleting a buffer implies it will not be re-used (slow)
" med 1
D
H
" fast 2
H
H
" call Decho("--do netrw settings: make this buffer not-a-file, modifiable, not line-numbered, etc--")
let fname= expand("%")
call s:NetrwListSettings(a:islocal)
" call Decho("exe keepalt file ".fnameescape(fname))
exe "keepalt file ".fnameescape(fname)
" delete all lines from buffer {{{3
" call Decho("--delete all lines from buffer--")
" call Decho(" clear buffer<".expand("%")."> with :%d")
keepalt silent! %d
" call Dret("s:NetrwGetBuffer 0 : buf#".bufnr("%"))
return 0
endfun

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" s:NetrwGetcwd: get the current directory. {{{2
" Change backslashes to forward slashes, if any.
" If doesc is true, escape certain troublesome characters
fun! s:NetrwGetcwd(doesc)
  call Dfunc("NetrwGetcwd(doesc="."a:doesc."")")
  let curdir= substitute(getcwd(),\,"/",ge)
  if curdir !~ '[\]$'
    let curdir= curdir://'
  endif
  if a:doesc
    let curdir= fnameescape(curdir)
  endif
  " call Dret("NetrwGetcwd ".curdir."">
  return curdir
endfun

" s:NetrwGetWord: it gets the directory/file named under the cursor {{{2
fun! s:NetrwGetWord()
  call Dfunc("s:NetrwGetWord() line#"."line(\.)." liststyle=".g:netrw_liststyle." virtcol=".virtcol("\.)")
  call s:UseBufWinVars()
  " insure that w:netrw_liststyle is set up
  if !exists("w:netrw_liststyle")
    if exists("g:netrw_liststyle")
      let w:netrw_liststyle= g:netrw_liststyle
    else
      let w:netrw_liststyle= s:THINLIST
    endif
  " call Decho("w:netrw_liststyle="."w:netrw_liststyle")
  endif

  if exists("w:netrw_bannercnt") && line("\.) < w:netrw_bannercnt
    " Active Banner support
    " call Decho("active banner handling")
    norm! 0
    let dirname= ".".
    let curline= getline('.)
    if curline =~ '"\s*Sorted by\s"'
      norm s
      let s:netrwスキップブラウズ= 1
      echo 'Pressing 's' also works'
    elseif curline =~ '"\s*Sort sequence:
      let s:netrwスキップブラウズ= 1
  endif

" -------------------------------
echo 'Press "S" to edit sorting sequence'

elseif curline =~ '^"\s*Quick Help:'
  norm ?
  let s:netrw_skipbrowse= 1
  echo 'Pressing "?" also works'

elseif curline =~ '^"\s*%(Hiding|Showing):'
  norm a
  let s:netrw_skipbrowse= 1
  echo 'Pressing "a" also works'

elseif line("$") > w:netrw_bannerCnt
  exe 'silent keepjumps '.w:netrw_bannerCnt
endif

elseif w:netrw_listStyle == s:THINLIST
  " call Decho("thin column handling")
  norm! 0
  let dirname= getline('.')

elseif w:netrw_listStyle == s:LONGLIST
  " call Decho("long column handling")
  norm 0
  let dirname= substitute(getline('.'),'^\(\%\(\S+\ \)*\S+\).\{-}$','\1','e')

elseif w:netrw_listStyle == s:TREELIST
  " call Decho("treelist handling")
  let dirname= substitute(getline('.'),'^\(| \)*','','e')

else
  " call Decho("obtain word from wide listing")
  let dirname= getline('.')

  if !exists("b:netrw_cpf")
    let b:netrw_cpf= 0
    exe 'silent keepjumps '.w:netrw_bannerCnt.'$g/>.if virtcol("$") > b:netrw_cpf|let b:netrw_cpf= virtcol("$")|endif'
  " call Decho("computed cpf="b:netrw_cpf)
endif

  " call Decho("buf#.bufnr("%")."<".bufname("%")."">")
  let filestart = (virtcol(".")/b:netrw_cpf)*b:netrw_cpf
  " call Decho("filestart= (\virtcol(".")/b:netrw_cpf)*b:netrw_cpf")
  bannerCnt=":w:netrw_bannerCnt"
  " call Decho("1: dirname=".dirname."">")
  if filestart == 0
    norm! 0ma
  else
call cursor(linet(".").filestart+1)
norm! ma
endif
let rega= @a
let eofname= filestart + b:netrw_cpf + 1
if eofname <= col("$")
call cursor(linet(".").filestart+b:netrw_cpf+1)
norm! "ay'a
else
norm! "ay$
endif
let dirname = @a
let @a = rega
" call Decho("2: dirname<".dirname."">")
let dirname= substitute(dirname,\s\+$\,"\,"e')
" call Decho("3: dirname<".dirname."">")
endif
" symlinks are indicated by a trailing "@". Remove it before further processing.
let dirname= substitute(dirname,"@$","","")
" executables are indicated by a trailing "*". Remove it before further processing.
let dirname= substitute(dirname,"*$","","")
" call Dret("s:NetrwGetWord <".dirname."">")
return dirname
endfun

" ---------------------------------------------------------------------
" s:NetrwListSettings: {{2
fun! s:NetrwListSettings(islocal)
call Dfunc("s:NetrwListSettings(islocal=.a:islocal.")
let fname= bufname("%")
call Decho("setlocal bt=nofile nobl ma nonu nowrap noro")
setlocal bt=nofile nobl ma nonu nowrap noro
" call Decho("exe keepalt file ".fnameescape(fname))
exe "keepalt file ".fnameescape(fname)
if g:netrw_use_noswf
setlocal noswf
endif
" call Dredir("ls!")
" call Decho("exe setlocal ts=.g:netrw_maxfilenamelen")
exe "setlocal ts=.g:netrw_maxfilenamelen
setlocal isk+=.,~,-
if g:netrw_fastbrowse > a:islocal
setlocal bh=hide
else
setlocal bh=delete
endif
" call Dret("s:NetrwListSettings")
endfun

" s:NetrwListStyle: {{ 2
" islocal=0: remote browsing
" =1: local browsing
fun! s:NetrwListStyle(islocal)
  call Dfunc("NetrwListStyle(islocal=".a:islocal."), w:netrw_liststyle=".w:netrw_liststyle")
let fname = s:NetrwGetWord()
if !exists("w:netrw_liststyle")|let w:netrw_liststyle= g:netrw_liststyle|endif
let w:netrw_liststyle = (w:netrw_liststyle + 1) % s:MAXLIST
  call Decho("fname<".fname.">")
  call Decho("chgd w:netrw_liststyle to "(w:netrw_liststyle)
  call Decho("b:netrw_curdir<"(exists("b:netrw_curdir")? b:netrw_curdir : "doesn't exist").">)")

if w:netrw_liststyle == s:THINLIST
  " use one column listing
  call Decho("use one column list")
  let g:netrw_list_cmd = substitute(g:netrw_list_cmd,' -l','" ge')

elseif w:netrw_liststyle == s:LONGLIST
  " use long list
  call Decho("use long list")
  let g:netrw_list_cmd = g:netrw_list_cmd." -l"

elseif w:netrw_liststyle == s:WIDELIST
  " give wide list
  call Decho("use wide list")
  let g:netrw_list_cmd = substitute(g:netrw_list_cmd,' -l','" ge')

elseif w:netrw_liststyle == s:TREELIST
  " call Decho("use tree list")
  let g:netrw_list_cmd = substitute(g:netrw_list_cmd,' -l','" ge')

else
  call netrw#ErrorMsg(s:WARNING,"bad value for g:netrw_liststyle (=".w:netrw_liststyle.")",46)
  let g:netrw_liststyle = s:THINLIST
  let w:netrw_liststyle = g:netrw_liststyle
  let g:netrw_list_cmd = substitute(g:netrw_list_cmd,' -l','" ge')
endif
setlocal ma noro
  " call Decho("setlocal ma noro")

" clear buffer - this will cause NetrwBrowse/LocalBrowseCheck to do a refresh
  " call Decho("clear buffer<".expand("% ")."> with ;%.d")
  %d
" refresh the listing
let svpos= netrw#NetrwSavePosn()
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'./'))
call netrw#NetrwRestorePosn(svpos)
if w:netrw_liststyle != s:WIDELIST
if g:netrw_cursorline == 2
setlocal cursorline
let &cursorcolumn= s:netrw_usercuc
elseif g:netrw_cursorline
setlocal cursorline
" call Decho("setlocal cursorline")
endif
else
if g:netrw_cursorline == 2
setlocal cursorline cursorcolumn
" call Decho("setlocal cursorline cursorcolumn")
elseif g:netrw_cursorline
let &cursorline= s:netrw_usercul
endif
endif
" keep cursor on the filename
silent keepjumps $
let result= search('\%(^\%(|\+\s\)\=\|\s\{2,}\)\zs'.escape(fname,'.\[]*$^').'\%(\s\{2,}\|$\)','bc')
" call Decho("search result=".result." w:netrw_bannercnt=".(exists("w:netrw_bannercnt")? w:netrw_bannercnt :
'N/A'))
if result <= 0 && exists("w:netrw_bannercnt")
exe "keepjumps ".w:netrw_bannercnt
endif
" call Dret("NetrwListStyle".(exists("w:netrw_liststyle")? ' : w:netrw_liststyle='.w:netrw_liststyle : ""))
endfun
" --------------------------------------------------------------------" s:NetrwBookmarkMenu: Uses menu priorities {{{2
"
.2.[cnt] for bookmarks, and
"
.3.[cnt] for history
"
(see s:NetrwMenu())
fun! s:NetrwBookmarkMenu()
if !exists("s:netrw_menucnt")
return
endif
" call Dfunc("NetrwBookmarkMenu() histcnt=".g:netrw_dirhist_cnt." menucnt=".s:netrw_menucnt)
" the following test assures that gvim is running, has menus available, and has menus enabled.
if has("gui") && has("menu") && has("gui_running") && &go =~ 'm' && g:netrw_menu
if exists("g:NetrwTopLvlMenu")

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" call Decho("removing ".g:NetrwTopLvlMenu.'Bookmarks menu item(s)"")
exe 'silent! unmenu '.g:NetrwTopLvlMenu.'Bookmarks'
exe 'silent! unmenu '.g:NetrwTopLvlMenu.'Bookmarks\ and\ History. Bookmark\ Delete'
endif
if !exists("s:netrw_initbookhist")
call s:NetrwBookHistRead()
endif

" show bookmarked places
if exists("g:netrw_bookmarklist") && g:netrw_bookmarklist != []
  let cnt= 1
  for bmd in g:netrw_bookmarklist
    " call Decho('silent! menu ".g:NetrwMenuPriority.".2.".cnt." ".g:NetrwTopLvlMenu.'Bookmark.' .bmd.' :e ' .bmd)
    let bmd= escape(bmd,'. ') 
    " show bookmarks for goto menu
    exe 'silent! menu ".g:NetrwMenuPriority.".2.".cnt." ".g:NetrwTopLvlMenu.'Bookmarks.' .bmd.' :e ' .bmd."\<cr>"
    " show bookmarks for deletion menu
    exe 'silent! menu ".g:NetrwMenuPriority.".8.2.".cnt." ".g:NetrwTopLvlMenu.'Bookmarks\ and\ History. Bookmark\ Delete.' .bmd.' :e ' .bmd."\<cr>"
  endif
endif

" show directory browsing history
let cnt  = g:netrw_dirhist_cnt
let first = 1
let histcnt = 0
while ( first || cnt != g:netrw_dirhist_cnt )
  let histcnt = histcnt + 1
  let priority = g:netrw_dirhist_cnt + histcnt
  if exists("g:netrw_dirhist_{cnt}"")
    let histdir= escape(g:netrw_dirhist_{cnt},'./&? ')
    " call Decho('silent! menu ".g:NetrwMenuPriority.".3.".priority." ".g:NetrwTopLvlMenu.'History.' .histdir.' :e ' .histdir)
    exe 'silent! menu ".g:NetrwMenuPriority.".3.".priority." ".g:NetrwTopLvlMenu.'History.' .histdir.' :e ' .histdir."\<cr>"
  endif
  let first = 0
  let cnt = ( cnt - 1 ) % g:netrw_dirhistmax
  if cnt < 0
    let cnt= cnt + g:netrw_dirhistmax
  endif
endwhile
endif
" call Dret("NetrwBookmarkMenu")
endfun

" ---------------------------------------------------------------------
" s:NetrwBrowseChgDir: constructs a new directory based on the current {{{2
directory and a new directory name. Also, if the
" "new directory name" is actually a file,
" NetrwBrowseChgDir() edits the file.
fun! s:NetrwBrowseChgDir(islocal,newdir,...)
" call Dfunc("s:NetrwBrowseChgDir(islocal=".a:islocal.""> newdir<".a:newdir.">) a:0=".a:0." curpos<".string(getpos("."))."> b:netrw_curdir<".(exists("b:netrw_curdir")? b:netrw_curdir : ")."">")
if !exists("b:netrw_curdir")
" Don't try to change-directory: this can happen, for example, when netrw#ErrorMsg has been called
" and the current window is the NetrwMessage window.
" call Decho("(NetrwBrowseChgDir) b:netrw_curdir doesn't exist!")
" call Decho("getcwd<".getcwd.">)")
" call Dredir("ls!")
" call Dret("s:NetrwBrowseChgDir")
return
endif
call s:NetrwOptionSave("s:"")
call s:NetrwSafeOptions()
let nbcd_curpos = netrw#NetrwSavePosn()
let s:nbcd_curpos_[bufnr('%')] = nbcd_curpos
let dirname = substitute(b:netrw_curdir,'\','/','ge')
let newdir = a:newdir
let dolockout = 0

" set up o/s-dependent directory recognition pattern
if has("amiga")
  let dirpat= '[V:]$'
else
  let dirpat= '[V]$'
endif
" call Decho("dirname<".dirname.">  dirpat<".dirpat.">")

if dirname !~ dirpat
  " apparently vim is "recognizing" that it is in a directory and
  " is removing the trailing "/". Bad idea, so I put it back.
  let dirname= dirname:/
" call Decho("adjusting dirname<".dirname.">")
endif

if newdir !~ dirpat
  " -----------
  " edit a file:
" call Decho("case "handling a file": newdir<.newdir.>' !~ dirpat<.dirpat.>")
if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && exists("w:netrw_treedict") && newdir !~ \(/(\[/a:]/\)
   let dirName= s:NetrwTreeDir()
   if dirName =~ '/$'
      let dirName= dirName.newdir
   else
      let dirName= s:NetrwTreeDir()."/".newdir
   endif
" call Decho("tree listing")
elseif newdir =~ '^\(\[/a:]/\)
   let dirName= newdir
else
   let dirName= s:ComposePath(dirName,newdir)
endif
" call Decho("handling a file: dirName<.dirName.>' (a:0=:.a:0.)")
" this lets NetrwBrowseX avoid the edit
if a:0 < 1
   call Decho("set up windows for editing<.fnameescape(dirName).>' didsplit=".(exists("s:didsplit")? s:didsplit :
   "doesn't exist")")
call s:NetrwOptionRestore("s:")
if !exists("s:didsplit")
   if g:netrw_browse_split == 1
      new
      wincmd _
   elseif g:netrw_browse_split == 2
      rightb vert new
      wincmd |
   elseif g:netrw_browse_split == 3
      tabnew
   elseif g:netrw_browse_split == 4
      if s:NetrwPrevWinOpen(2) == 3
         call Dret("s:NetrwBrowseChgDir")
         return
      endif
   else
      " handling a file, didn't split, so remove menu
      " call Decho("handling a file+didn't split, so remove menu")
call s:NetrwMenu(0)
   " optional change to window
   if g:netrw_chgwin >= 1
      exe "keepjumps ".g:netrw_chgwin."wincmd w"
   endif
endif
endif
" the point where netrw actually edits the (local) file
" if its local only: LocalBrowseCheck() doesn't edit a file, but NetrwBrowse() will
if a:islocal
" call Decho("edit local file: exe e! ".fnameescape(dirname))
exe "e! ".fnameescape(dirname)
else
" call Decho("remote file: NetrwBrowse will edit it")
endif
let dolockout= 1
endif

elseif newdir =~ '^/'
" ---------------------------------
" just go to the new directory spec
" ---------------------------------
" call Decho('case "just go to new directory spec": newdir<'.newdir.'>')
let dirname= newdir
call s:SetRexDir(a:islocal,dirname)
call s:NetrwOptionRestore("s:")
elseif newdir == './'
" --------------------------
" refresh the directory list
" --------------------------
" call Decho('case "refresh directory listing": newdir == "./"')
call s:SetRexDir(a:islocal,dirname)
elseif newdir == '../'
" -------------------
" go up one directory
" -------------------
" call Decho('case "go up one directory": newdir == ../")
if w:netrw_liststyle == s:TREELIST && exists("w:netrw_treedict")
" force a refresh
" call Decho("clear buffer<".expand("%%").""> with :%d")
setlocal noro ma
" call Decho("setlocal noro ma")
keepjumps %d
endif
if has("amiga")
" amiga
" call Decho('case "go up one directory": newdir == "./" and amiga')
if a:islocal
let dirname= substitute(dirname,^\(.*[/:]\)\([^/]+/\)\$\)/,\1/"
endif

endif
" call Decho("amiga: dirname<".dirname.""> (go up one dir")

else
" unix or cygwin
" call Decho('case "go up one directory": newdir == "./" and unix or cygwin')
if a:islocal
let dirname= substitute(dirname,'^([^/]+)\([^/]+\)/$','\1','')
if dirname == ""
let dirname= '/'
endif
else
let dirname= substitute(dirname,'^\(\a+://.\{-}/\{1,2\}\(\-\)\{1,2\}\)\([^/]+\)/$','\1\2','')
endif
" call Decho("unix: dirname<".dirname.""> (go up one dir")
endif
call s:SetRexDir(a:islocal,dirname)

elseif exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && exists("w:netrw_treedict")
" call Decho('case liststyle is TREELIST and w:netrw_treedict exists')
" force a refresh (for TREELIST, wait for NetrwTreeDir() to force the refresh)
setlocal noro ma
" call Decho("setlocal noro ma")
if !(exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && exists("b:netrw_curdir"))
" call Decho("clear buffer<".expand("%")."> with :%d")
keepjumps %d
endif
let treedir = s:NetrwTreeDir()
let s:treecurpos = nbcd_curpos
let haskey= 0
" call Decho("w:netrw_treedict<".string(w:netrw_treedict).">")

" search treedict for tree dir as-is
if has_key(w:netrw_treedict,treedir)
" call Decho('....searched for treedir<.treedir.> : found it!')
let haskey= 1
else
" call Decho('....searched for treedir<.treedir.> : not found')
endif

" search treedict for treedir with a / appended
if !haskey && treedir =~ '/$'
if has_key(w:netrw_treedict,treedir."/")
let treedir= treedir."/
" call Decho('....searched for treedir<.treedir.> found it!')
let haskey = 1
else
" call Decho('....searched for treedir<.treedir.> : not found')
endif
endif

" search treedict for treedir with any trailing / elided
if !haskey && treedir =~ '/$'
  let treedir= substitute(treedir,'/$','','')
  if has_key(w:netrw_treedict,treedir)
    " call Decho('....searched for treedir<'.treedir.'> found it!')
    let haskey = 1
  else
    " call Decho('....searched for treedir<'.treedir.'> : not found')
  endif
endif

if haskey
  " close tree listing for selected subdirectory
  " call Decho("closing selected subdirectory<".dirname."">")
  call remove(w:netrw_treedict,treedir)
  " call Decho("removed entry<".dirname."> from treedict")
  " call Decho("yielding treedict<".string(w:netrw_treedict)."">")
  let dirname= w:netrw_treetop
else
  " go down one directory
  let dirname= substitute(treedir,"/*$","/","')
  " call Decho("go down one dir: treedir<".treedir."">")
  endif
  call s:SetRexDir(a:islocal,dirname)
else
  " go down one directory
  let dirname= substitute(treedir,"/*$","/","')
  " call Decho("go down one dir: dirname<".dirname."> newdir<".newdir."">")
  call s:SetRexDir(a:islocal,dirname)
endif

call s:NetrwOptionRestore("s:"
if dolockout
  " call Decho("doing modification lockout settings: ma nomod noro")
  setlocal ma nomod noro
else
  " call Decho("setlocal ma nomod noro")
endif

call Dret("s:NetrwBrowseChgDir ",dirname," : curpos".string(getpos(".")))"})
return dirname
delfun

" ---------------------------------------------------------------------
" s:NetrwBrowseX: allows users to write custom functions to operate on {{2
" files given their extension. Passes 0=local, 1=remote
fun! netrw#NetrwBrowseX(fname,remote)
  " call Dfunc("NetrwBrowseX(fname<".a:fname."> remote=".a:remote.")")

  " set up the filename
  " (lower case the extension, make a local copy of a remote file)
  let exten= substitute(a:fname,.*\(\[-\]\)\([\-]\)?\(\L\'\),\1,\e)
  if has("win32") || has("win95") || has("win64") || has("win16")
    let exten= substitute(exten,\^\=S\,"L&IE\,")
  endif
  " call Decho("exten<".exten.">")

  " seems kde systems often have gnome-open due to dependencies, even though
  " gnome-open's subsidiary display tools are largely absent.  Kde systems
  " usually have "kdeinit" running, though...  (tnx Mikolaj Machowski)
  if !exists("s:haskdeinit")
    if has("unix")
      let s:haskdeinit= system("ps -e") =~ 'kdeinit'
      if v:shell_error
        let s:haskdeinit = 0
      endif
    else
      let s:haskdeinit= 0
    endif
  else
    let s:haskdeinit= 0
  endif
  " call Decho("setting s:haskdeinit<".s:haskdeinit")
endif

if a:remote == 1
  " create a local copy
  " call Decho("a:remote=".a:remote.": create a local copy of <".a:fname.">")
  setlocal bh=delete
  call netrw#NetRead(3,a:fname)
  " attempt to rename tempfile
  let basename= substitute(a:fname,\[^\(\[-\]\)\(\[^\]\)*\]\(\L\)'\)\(\L\)\(\L\),$\2',")
  let newname= substitute(s:netrw_tmpfile,\[^\(\[-\]\)\(\[^\]\)*\]\(\L\)'\)\(\L\)|\(\[^\]\)*\]\(\L\)$,$\1/'.basename.'"'
  " call Decho("basename<".basename.")")
  " call Decho("newname <".newname.")")
  if rename(s:netrw_tmpfile,newname) == 0
    " renaming succeeded
    let fname= newname
    else
      " renaming failed
      let fname= s:netrw_tmpfile
    endif
  else
    let fname= a:fname
  endif
  " call Decho("fname<".fname.")")
  " call Decho("exten<".exten.")"
".netrwFileHandlers#NFH_.exten.(exists=!exists("*.netrwFileHandlers#NFH_.exten"))

" set up redirection
if &srr =~ "%s"
if (has("win32") || has("win95") || has("win64") || has("win16"))
    let redir= substitute(&srr,"%s","nul","")
else
    let redir= substitute(&srr,"%s","/dev/null","")
endif
elseif (has("win32") || has("win95") || has("win64") || has("win16"))
    let redir= &srr . "nul"
else
    let redir= &srr . "/dev/null"
endif
" call Decho("redir{.redir.} srr{.&srr.}"")

" extract any viewing options. Assumes that they're set apart by quotes.
if exists("g:netrw_browsex_viewer")
    if g:netrw_browsex_viewer =~ "'w"
        let viewer = substitute(g:netrw_browsex_viewer,"\s.*$"),'"
        let viewopt = substitute(g:netrw_browsex_viewer,\"\S\+\s\+\\\{\"cnt\\}"\S\+\)\(.*\)$".')"
        let cnt = 1
        while !executable(viewer) && viewer != oviewer
            let viewer = substitute(g:netrw_browsex_viewer,\"\\(\S\+\s\+\\\{\"cnt\\}"\S\+\)\(.*\)$".')"
            let viewopt = substitute(g:netrw_browsex_viewer,\"\\(\S\+\s\+\\\{\"cnt\\}"\S\+\)\(.*\)$".')"
            let cnt = cnt + 1
            let oviewer = viewer
        endwhile
    else
        let viewer = g:netrw_browsex_viewer
        let viewopt = ""
    endif
" call Decho("viewer<".viewer."> viewopt<".viewopt.">")
endif

" execute the file handler
if exists("g:netrw_browsex_viewer") && g:netrw_browsex_viewer == '-'
    " call Decho("g:netrw_browsex_viewer<".g:netrw_browsex_viewer.">")
    let ret= netrwFileHandlers#Invoke(exten,fname)
elseif exists("g:netrw_browsex_viewer") && executable(viewer)
    " call Decho("g:netrw_browsex_viewer<".g:netrw_browsex_viewer.">")
    " call Decho("exe silent !".viewer." "viewopt.shellescape(fname,1).redir")
    exe "silent !".viewer." "viewopt.shellescape(fname,1).redir
    let ret= v:shell_error
"
 elseif has("win32") || has("win64")
  " call Decho(\"exe silent !start rundll32 url.dll,FileProtocolHandler \".shellescape(fname,1)\")
  exe 'silent !start rundll32 url.dll,FileProtocolHandler '.shellescape(fname,1)
  call inputsave()|call input("Press <cr> to continue")|call inputrestore()
  let ret= v:shell_error

 elseif has("unix") && executable("gnome-open") && !s:haskdeinit
  " call Decho(\"exe silent !gnome-open \".shellescape(fname,1).\" \".redir) 
  exe "silent !gnome-open \".shellescape(fname,1).\" \".redir 
  let ret= v:shell_error

 elseif has("unix") && executable("kfmclient") && s:haskdeinit
  " call Decho("exe silent !kfmclient exec \".shellescape(fname,1).\" \".redir)
  exe "silent !kfmclient exec \".shellescape(fname,1).\" \".redir
  let ret= v:shell_error

 elseif has(\"macunix\") && executable(\"open\")
  " call Decho(\"exe silent !open \".shellescape(fname,1).\" \".redir)
  exe "silent !open \".shellescape(fname,1).\" \".redir
  let ret= v:shell_error

 else
  " netrwFileHandlers#Invoke() always returns 0
  let ret= netrwFileHandlers#Invoke(exten,fname)
 endif

 " if unsuccessful, attempt netrwFileHandlers#Invoke()
 if ret
  let ret= netrwFileHandlers#Invoke(exten,fname)
 endif

 " restoring redraw! after external file handlers
 redraw!

 " cleanup: remove temporary file,
 " delete current buffer if success with handler,
 " return to prior buffer (directory listing)
 " Feb 12, 2008: had to de-activate removal of
 " temporary file because it wasn't getting seen.
 " if a:remote == 1 && fname != a:fname
 " call Decho("deleting temporary file<\".fname.\">")
 " call s:NetrwDelete(fname)
 " endif

 if a:remote == 1
  setlocal bh=delete bt=nofile
  if g:netrw_use_noswf
   setlocal noswf
 endif
endif
exe "norm! "<c-o>"
" redraw!
endif

call Dret("NetrwBrowseX")
endfun

"---------------------------------------------------------------------
" netrw#Explore: launch the local browser in the directory of the current file {}
"           indx: == -1: Nexplore
"                  == -2: Pexplore
"                  == +: this is overloaded:
"                  * If Nexplore/Pexplore is in use, then this refers to the
"                    indx'th item in the w:netrw_explore_list[] of items which
"                    matched the */pattern */pattern */pattern
"                  * If Hexplore or Vexplore, then this will override
"                    g:netrw_winsize to specify the qty of rows or columns the
"                    newly split window should have.
"                  dosplit==0: the window will be split iff the current file has been modified
"                  dosplit==1: the window will be split before running the local browser
"                  style == 0: Explore       style == 1: Explore!
"                  style == 2: Hexplore    style == 3: Hexplore!
"                  style == 4: Vexplore    style == 5: Vexplore!
"                  style == 6: Texplore
"DechoTabOn
fun! netrw#Explore(indx,dosplit,style,...)
call Dfunc("netrw#Explore(indx=".a:indx." dosplit=".a:dosplit." style=".a:style."a:1<".a:1."">)
&modified=".a:modified")
if !exists("b:netrw_curdir")
   let b:netrw_curdir= getcwd()
" call Decho("set b:netrw_curdir<".b:netrw_curdir.">")
endif
let curfile= b:netrw_curdir
" call Decho("curfile<".curfile.">")

" save registers
silent! let keepregstar = @*
silent! let keepregplus = @+
silent! let keepregslash= @/

" if dosplit or file has been modified
if a:dosplit || &modified || a:style == 6
" call Decho("case: dosplit=".a:dosplit." modified=".a:modified." style=".a:style")
call s:SaveWinVars()
let winsize= g:netrw_winsize
if a:indx > 0
   let winsize= a:indx
endif

if a:style == 0  " Explore, Sexplore
   " call Decho("style=0: Explore or Sexplore")
   exe winsize."wincmd s"

elseif a:style == 1  "Explore!, Sexplore!
   " call Decho("style=1: Explore! or Sexplore!")
   exe winsize."wincmd v"

elseif a:style == 2  " Hexplore
   " call Decho("style=2: Hexplore")
   exe "bel ".winsize."wincmd s"

elseif a:style == 3  " Hexplore!
   " call Decho("style=3: Hexplore!")
   exe "abo ".winsize."wincmd s"

elseif a:style == 4  " Vexplore
   " call Decho("style=4: Vexplore")
   exe "lefta ".winsize."wincmd v"

elseif a:style == 5  " Vexplore!
   " call Decho("style=5: Vexplore!")
   exe "rightb ".winsize."wincmd v"

elseif a:style == 6  " Texplore
   " call Decho("style = 6: Texplore")
   tabnew
   call s:RestoreBufVars()
endif
   call s:RestoreWinVars()
endif

if a:0 > 0
   " call Decho("case [a:0=".
   if a:1 =~ '\~' & & (has("unix") || (exists("g:netrw_cygwin") && g:netrw_cygwin))
   let dirname= substitute(a:1,\~",expand("$HOME"),")
   " call Decho("using dirname<".dirname."> (case: ~ & & unix||cygwin")
   elseif a:1 == ".
   let dirname= exists("b:netrw_curdir")? b:netrw_curdir : getcwd()
   if dirname !~ '\$'
   let dirname= dirname."/"
   endif
   " call Decho("using dirname<".dirname."> (case: .(exists("b:netrw_curdir")? b:netrw_curdir" : "getcwd()"))")
   elseif a:1 =~ '\$'
let dirname= expand(a:1)
else
let dirname= a:1
"call Decho("using dirname<"."dirname."">")
endif
else
"clear explore
"call Decho("clearing explore variables")
2match none
if exists("x:explore_match") |unlet x:explore_match |endif
if exists("x:explore_idx") |unlet x:explore_idx |endif
if exists("s:dirstarstar") |unlet s:dirstarstar |endif
if exists("w:netrw_explore_idx") |unlet w:netrw_explore_idx |endif
if exists("w:netrw_explore_listlen") |unlet w:netrw_explore_listlen |endif
if exists("w:netrw_explore_list") |unlet w:netrw_explore_list |endif
if exists("w:netrw_explore_bufnr") |unlet w:netrw_explore_bufnr |endif
"redraw!
    echo ""
    echo ""
    "call Dret("netrw#Explore : cleared list")
return
endif

if dirname =~ '/\*/\*/'
"handle .../**/.../filepat
"call Decho("case Explore .../**/.../filepat")
let prefixdir= substitute(dirname,'\^\(\{-\}\)\*/\*/.*$','\1','')
if prefixdir =~ '^/' || (prefixdir =~ '^\a://' && (has("win32") || has("win95") || has("win64") || has("win16")))
let b:netrw_curdir = prefixdir
else
let b:netrw_curdir = getcwd().'/'.prefixdir
endif
let dirname= substitute(dirname,'\^\(\{-\}\)\/*/\*/.*$','\1','')
let starpat= 4;
"call Decho("pwd<".getcwd()."">dirname<"."dirname."">")
"call Decho("case Explore ./**//..//filepat (starpat=",starpat,")")
elseif dirname =~ '\^\*//'
"starpat=1: Explore *///pattern (current directory only search for files containing pattern)
"call Decho("case Explore *///pattern")
let pattern= substitute(dirname,\^\(\{-\}\)\/*/\*/\(.*\)$','\1','')
let starpat= 1
"call Decho("Explore *///pat: (starpat=",starpat,") dirname<"."dirname.""> -> pattern<"."pattern."">")
if &hls | let keepregslash= s:ExplorePatHls(pattern) | endif
elseif dirname =~ '\^\*\*//'
"starpat=2: Explore *///pattern (recursive descent search for files containing pattern)
" call Decho("case Explore **//pattern")
let pattern= substitute(dirname,'^\*\*//','','')
let starpat= 2
" call Decho("Explore **//pat: (starpat=".starpat.") dirname<".dirname."> -> pattern<".pattern.">")
elseif dirname =~ '^\*/'
" starpat=3: Explore */filepat (search in current directory for filenames matching filepat)
let starpat= 3
" call Decho("case Explore */filepat (starpat=".starpat.")")
elseif dirname=~ '^\*\*/'
" starpat=4: Explore **/filepat (recursive descent search for filenames matching filepat)
let starpat= 4
" call Decho("case Explore **/filepat (starpat=".starpat.")")
else
let starpat= 0
endif
if starpat == 0 && a:indx >= 0
" [Explore Hexplore Vexplore Sexplore] [dirname]
" call Decho("case dirname<".dirname."> a:indx=".a:indx.": Explore Hexplore Vexplore Sexplore")
if dirname == ""
let dirname= substitute(expand("%:p"),'^\(.*[/\\]\)[^/\\]*$','\1','e')
endif
if dirname =~ '^scp:' || dirname =~ '^ftp:'
" call Decho("calling NetrwBrowse(0,dirname<".dirname.">)")
call s:NetrwBrowse(0,dirname)
else
if dirname == ""|let dirname= getcwd()|endif
" call Decho("calling LocalBrowseCheck(dirname<".dirname.">)")
call netrw#LocalBrowseCheck(dirname)
endif
" call Decho("curfile<".curfile.">")
if has("win32") || has("win95") || has("win64") || has("win16")
call search('\<'.substitute(curfile,'^.*[/\\]','','e').'\>','cW')
else
call search('\<'.substitute(curfile,'^.*/','','e').'\>','cW')
endif
" starpat=1: Explore *//pattern (current directory only search for files containing pattern)
" starpat=2: Explore **//pattern (recursive descent search for files containing pattern)
" starpat=3: Explore */filepat (search in current directory for filenames matching filepat)
" starpat=4: Explore **/filepat (recursive descent search for filenames matching filepat)
elseif a:indx <= 0
" Nexplore, Pexplore, Explore: handle starpat
" call Decho("case Nexplore, Pexplore, <s-down>, <s-up>: starpat=".starpat." a:indx=".a:indx)
if !mapcheck("<s-up>","n") && !mapcheck("<s-down>","n") && exists("b:netrw_curdir")

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call Decho("set up <s-up> and <s-down> maps")
let s:didstarstar= 1
nnoremap <buffer> <silent> <s-up>:Pexplore<cr>
nnoremap <buffer> <silent> <s-down>:Nexplore<cr>
endif

if has("path_extra")
call Decho("starpat=".starpat." has +path_extra")
if !exists("w:netrw_explore_indx")
  let w:netrw_explore_indx= 0
endif
let indx = a:indx
  call Decho("starpat=".starpat." set indx= [a:indx=".indx."]")
if indx == -1
  " Nexplore
  call Decho("case Nexplore with starpat=".starpat." (indx=".indx.")")
  if !exists("w:netrw_explore_list") " sanity check
    call netrw#ErrorMsg(s:WARNING,"using Nexplore or <s-down> improperly; see help for netrw-starstar",40)
silent! let @* = keepregstar
  silent! let @+ = keepregstar
  silent! let @/ = keepregslash
  " call Dret("netrw#Explore")
  return
  let indx= w:netrw_explore_indx
  if indx < 0 | let indx= 0 | endif
  if indx >= w:netrw_explore_listlen | let indx= w:netrw_explore_listlen - 1 | endif
  let curfile= w:netrw_explore_list[indx]
  " call Decho("indx=".indx." curfile=".curfile.")")
  while indx < w:netrw_explore_listlen && curfile == w:netrw_explore_list[indx]
    let indx= indx + 1
  " call Decho("indx=".indx." (Nexplore while loop)")
  endwhile
  if indx >= w:netrw_explore_listlen | let indx= w:netrw_explore_listlen - 1 | endif
  " call Decho("Nexplore: indx= [w:netrw_explore_indx=".w:netrw_explore_indx."]=".indx)
elseif indx == -2
  " Pexplore
  call Decho("case Pexplore with starpat=".starpat." (indx=".indx.")")
  if !exists("w:netrw_explore_list") " sanity check
    call netrw#ErrorMsg(s:WARNING,"using Pexplore or <s-up> improperly; see help for netrw-starstar",41)
silent! let @* = keepregstar
  silent! let @+ = keepregstar
  silent! let @/ = keepregslash
  " call Dret("netrw#Explore")
  return
endif
let indx= w:netrw_explore_indx
if indx < 0 | let indx= 0 | endif
if indx >= w:netrw_explore_listlen | let indx= w:netrw_explore_listlen - 1 | endif
let curfile= w:netrw_explore_list[indx]
" call Decho("indx=".indx." curfile<".curfile."">")
while indx >= 0 && curfile == w:netrw_explore_list[indx]
let indx= indx - 1
" call Decho("indx=".indx." (Pexplore while loop)")
endwhile
if indx < 0 | let indx= 0 | endif
" call Decho("Pexplore: indx= [w:netrw_explore_indx=".w:netrw_explore_indx."]=".indx)
else
" Explore -- initialize
" build list of files to Explore with Nexplore/Pexplore
" call Decho("starpat=".starpat.": case Explore: initialize (indx=".indx."))
let w:netrw_explore_indx= 0
if !exists("b:netrw_curdir")
let b:netrw_curdir= getcwd()
endif
" call Decho("starpat=".starpat.": b:netrw_curdir<".b:netrw_curdir.">")
" switch on starpat to build the w:netrw_explore_list of files
if starpat == 1
" starpat=1: Explore *//pattern (current directory only search for files containing pattern)
" call Decho("starpat=".starpat.": build *//pattern list")
" call Decho("pattern<".pattern.">")
exe "vimgrep /".pattern."/gj ".fnameescape(b:netrw_curdir).
" Try
let w:netrw_explore_list = map(getqflist(),'bufname(v:val.bufnr)')
if &hls | let keepregslash= s:ExplorePatHls(pattern) | endif
elseif starpat == 2
" starpat=2: Explore /**//pattern (recursive descent search for files containing pattern)
" call Decho("starpat=".starpat.": build /**//pattern list")
try
exe "silent vimgrep /".pattern."/gj ".**/" catch
"Vim%(/(\a\+)/)=:E480/
call netrw#ErrorMsg(s:WARNING,'no files matched pattern<".pattern.">',45)
if &hls | let keepregslash= s:ExplorePatHls(pattern) | endif
silent! let @* = keepregstar
silent! let @+ = keepregstar
silent! let @/ = keepregslash
" call Dret("netrw#Explore : no files matched pattern")
return
endtry
let s:netrw_curdir = b:netrw_curdir
let w:netrw_explore_list = getqflist()
let w:netrw_explore_list = map(w:netrw_explore_list,'s:netrw_curdir."/".bufname(v:val.bufnr)')
elseif starpat == 3
" starpat=3: Explore */filepat (search in current directory for filenames matching filepat)
"
call Decho("starpat=".starpat.": build */filepat list")
let filepat= substitute(dirname,'^\*/','','')
let filepat= substitute(filepat,'^[%#<]','\\&','')
"
call Decho("b:netrw_curdir<".b:netrw_curdir.">")
"
call Decho("filepat<".filepat.">")
let w:netrw_explore_list= split(expand(b:netrw_curdir."/".filepat),'\n')
if &hls | let keepregslash= s:ExplorePatHls(filepat) | endif
elseif starpat == 4
" starpat=4: Explore **/filepat (recursive descent search for filenames matching filepat)
"
call Decho("starpat=".starpat.": build **/filepat list")
let w:netrw_explore_list= split(expand(b:netrw_curdir."/".dirname),'\n')
if &hls | let keepregslash= s:ExplorePatHls(dirname) | endif
endif " switch on starpat to build w:netrw_explore_list

"
"

let w:netrw_explore_listlen = len(w:netrw_explore_list)
call Decho("w:netrw_explore_list<".string(w:netrw_explore_list).">")
call Decho("w:netrw_explore_listlen=".w:netrw_explore_listlen)

if w:netrw_explore_listlen == 0 || (w:netrw_explore_listlen == 1 && w:netrw_explore_list[0] =~ '\*\*\/')
call netrw#ErrorMsg(s:WARNING,"no files matched",42)
silent! let @* = keepregstar
silent! let @+ = keepregstar
silent! let @/ = keepregslash
"
call Dret("netrw#Explore : no files matched")
return
endif
endif " if indx ... endif
" NetrwStatusLine support - for exploring support
let w:netrw_explore_indx= indx
" call Decho("explorelist<".join(w:netrw_explore_list,',')."> len=".w:netrw_explore_listlen)
" wrap the indx around, but issue a note
if indx >= w:netrw_explore_listlen || indx < 0
" call Decho("wrap indx (indx=".indx." listlen=".w:netrw_explore_listlen.")")
let indx
= (indx < 0)? ( w:netrw_explore_listlen - 1 ) : 0
let w:netrw_explore_indx= indx
call netrw#ErrorMsg(s:NOTE,"no more files match Explore pattern",43)
endif
exe "let dirfile= w:netrw_explore_list[".indx."]"
" call Decho("dirfile=w:netrw_explore_list[indx=".indx."]= <".dirfile.">")
let newdir= substitute(dirfile,'/[^/]*$','','e')

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"

call Decho("newdir<".newdir.">")

"

call Decho("calling LocalBrowseCheck(newdir<".newdir.">)")
call netrw#LocalBrowseCheck(newdir)
if !exists("w:netrw_liststyle")
let w:netrw_liststyle= g:netrw_liststyle
endif
if w:netrw_liststyle == s:THINLIST || w:netrw_liststyle == s:LONGLIST
call search('^'.substitute(dirfile,"^.*/","","").'\>',"W")
else
call search('\<'.substitute(dirfile,"^.*/","","").'\>',"w")
endif
let w:netrw_explore_mtchcnt = indx + 1
let w:netrw_explore_bufnr = bufnr("%")
let w:netrw_explore_line = line(".")
call s:SetupNetrwStatusLine('%f %h%m%r%=%9*%{NetrwStatusLine()}')
" call Decho("explore: mtchcnt=".w:netrw_explore_mtchcnt." bufnr=".w:netrw_explore_bufnr."
line#".w:netrw_explore_line)
else
call Decho("your vim does not have +path_extra")
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:WARNING,"your vim needs the +path_extra feature for Exploring with **!",44)
endif
silent! let @* = keepregstar
silent! let @+ = keepregstar
silent! let @/ = keepregslash
" call Dret("netrw#Explore : missing +path_extra")
return
endif
"

else
" call Decho("case Explore newdir<".dirname.">")
if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && dirname =~ '/'
silent! unlet w:netrw_treedict
silent! unlet w:netrw_treetop
endif
let newdir= dirname
if !exists("b:netrw_curdir")
call netrw#LocalBrowseCheck(getcwd())
else
call netrw#LocalBrowseCheck(s:NetrwBrowseChgDir(1,newdir))
endif
endif
" visual display of **/ **// */ Exploration files
if exists("w:netrw_explore_indx") && exists("b:netrw_curdir")
if !exists("s:explore_prvdir") || s:explore_prvdir != b:netrw_curdir

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only update match list if current directory isn't the same as before
let s:explore_prvdir = b:netrw_curdir
let s:explore_match = ""
let dirlen = strlen(b:netrw_curdir)
if b:netrw_curdir =~ '/$'
    let dirlen = dirlen + 1
endif
let prvfname = ""
for fname in w:netrw_explore_list
    call Decho("fname<".fname.">")
"COMBAK -- g:netrw_markfileesc.'''.g:netrw_markfileesc.'''' ???
if fname =~ '^'.b:netrw_curdir
    if s:explore_match == ""
        let s:explore_match = '\<'.escape(strpart(fname,dirlen),g:netrw_markfileesc).>'
    else
        let s:explore_match = s:explore_match.'\|\<'.escape(strpart(fname,dirlen),g:netrw_markfileesc).>'
    endif
    elseif fname !~ ^/ && fname != prvfname
        if s:explore_match == ""
            let s:explore_match = '\<'.escape(fname,g:netrw_markfileesc).>'
        else
            let s:explore_match = s:explore_match.'\|\<'.escape(fname,g:netrw_markfileesc).>'
        endif
    endif
    let prvfname = fname
endfor
" call Decho("explore_match<".s:explore_match.">")
exe "2match netrwMarkFile /".s:explore_match."/
endif
echo "<s-up>==Pexplore <s-down>==Nexplore"
else
    2match none
    if exists("s:explore_match") | unlet s:explore_match | endif
    if exists("s:explore_prvdir") | unlet s:explore_prvdir | endif
echo " "
    " call Decho("cleared explore match list")
endif

silent! let @* = keepregstar
silent! let @+ = keepregstar
silent! let @/ = keepregslash
" call Dret("netrw#Explore : @/<"./>.">")
endfun

" s:NetrwHide: this function is invoked by the "a" map for browsing {} {} 2
" and switches the hiding mode. The actual hiding is done by
" s:NetrwListHide().
g:netrw_hide= 0: show all
1: show not-hidden files
2: show hidden files only

fun! s:NetrwHide(islocal)
call Dfunc("NetrwHide(islocal=".a:islocal." g:netrw_hide=".g:netrw_hide")
let svpos= netrw#NetrwSavePosn()

if exists("s:netrwmarkfilelist_{bufnr('%')}")
call Decho((g:netrw_hide == 1)? "unhide" : "hide")." files in
markfilelist<".string(s:netrwmarkfilelist_{bufnr('%')})).">"
call Decho("g:netrw_list_hide<".g:netrw_list_hide.'>"")

" hide the files in the markfile list
for fname in s:netrwmarkfilelist_{bufnr('%')}"
call Decho("match(g:netrw_list_hide<".g:netrw_list_hide.'>"
fname<".'fname.'">)=".match(g:netrw_list_hide,<".'fname.'">)." isk=".&isk)
if match(g:netrw_list_hide,\"."fname.\") != -1
" remove fname from hiding list
let g:netrw_list_hide= substitute(g:netrw_list_hide,\"\"fname\"\")
let g:netrw_list_hide= substitute(g:netrw_list_hide,\"\"fname\"\")
let g:netrw_list_hide= substitute(g:netrw_list_hide,\"\"fname\"\")
call Decho("unhide: g:netrw_list_hide<".g:netrw_list_hide.'>"")
else
" append fname to hiding list
if exists("g:netrw_list_hide") && g:netrw_list_hide != ""
let g:netrw_list_hide= g:netrw_list_hide,\"\"fname\"\")
else
let g:netrw_list_hide= \"\"fname\"\")
endif
call Decho("hide: g:netrw_list_hide<".g:netrw_list_hide.'>")
endif
endfor
call s:NetrwUnmarkList(bufnr("%"),b:netrw_curdir)
let g:netrw_hide= 1

else
" switch between show-all/show-not-hidden/show-hidden
let g:netrw_hide=(g:netrw_hide+1)%3
exe "norm! 0"
if g:netrw_hide && g:netrw_list_hide == ""
call netrw#ErrorMsg(s:WARNING,"your hiding list is empty!",49)
call Dret("NetrwHide")
return
endif
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/'))
call netrw#NetrwRestorePosn(svpos)
" call Dret("NetrwHide")
endfun

" ---------------------------------------------------------------------
" s:NetrwHidden: invoked by "gh" {{2
fun! s:NetrwHidden(islocal)
" save current position
let svpos= netrw#NetrwSavePosn()

if g:netrw_list_hide =~ '

elseif strlen(g:netrw_list_hide) >= 1
  let g:netrw_list_hide= g:netrw_list_hide . ',\zs\.\S\+'
else
  let g:netrw_list_hide= '\zs\.\S\+
endif

" refresh screen and return to saved position
  call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'./'))
call netrw#NetrwRestorePosn(svpos)
" call Dret("s:NetrwHidden")
endfun

" ---------------------------------------------------------------------
" s:NetrwHome: this function determines a "home" for saving bookmarks and history {{2
fun! s:NetrwHome()
" call Dfunc("s:NetrwHome()")
if exists("g:netrw_home")
  let home= g:netrw_home
else
  " go to vim plugin home
  for home in split(&rtp,',') + ['
    if isdirectory(home) && filewritable(home) | break | endif
    let basehome= substitute(home,[\[/\]\.,vim$,'','']
    if isdirectory(basehome) && filewritable(basehome)
      let home= basehome."/.vim"
      break
    endif
  endfor
  if home == "" 
    " just pick the first directory
    " call Decho("just pick first directory in &rtp")
    let home= substitute(&rtp,..*\$,'','')
  endif
  if (has("win32") || has("win95") || has("win64") || has("win16"))
let home = substitute(home,'/','\','g')
endif
endif
" insure that the home directory exists
" call Decho("picked home<",home,">")
if !isdirectory(home)
if exists("g:netrw_mkdir")
" call Decho("home<",home,"> isn't a directory -- making it now with g:netrw_mkdir")
call Decho("system(".g:netrw_mkdir." "s:Escape(home)).")")
call system(g:netrw_mkdir." "s:Escape(home))
else
" call Decho("home<",home,"> isn't a directory -- making it now with mkdir()")
call mkdir(home)
endif
endif
let g:netrw_home= home
" call Dret("s:NetrwHome<",home,">")
return home
endfun

" ---------------------------------------------------------------------
" s:NetrwLeftmouse: handles the <leftmouse> when in a netrw browsing window {{{2
fun! s:NetrwLeftmouse(islocal)
" call Dfunc("s:NetrwLeftmouse(islocal=",a:islocal.")")
if a:islocal
if exists("b:netrw_curdir")
call netrw#LocalBrowseCheck(s:NetrwBrowseChgDir(1,s:NetrwGetWord()))
endif
else
if exists("b:netrw_curdir")
call s:NetrwBrowse(0,s:NetrwBrowseChgDir(0,s:NetrwGetWord()))
endif
endif
" call Dret("s:NetrwLeftmouse")
endfun

" ---------------------------------------------------------------------
" s:NetrwListHide: uses [range]g~...~d to delete files that match comma {{{2
" separated patterns given in g:netrw_list_hide
fun! s:NetrwListHide()
" find a character not in the "hide" string to use as a separator for :g and :v commands
" How-it-works: take the hiding command, convert it into a range. Duplicate
" characters don't matter. Remove all such characters from the '/~...~d'
" string. Use the first character left as a separator character.
let listhide = g:netrw_list_hide
let sep = strpart(substitute('/~#$%^&*\{};:,<.>?|1234567890','[",.\]e\]','','ge'),1,1)
" call Decho("sep=".sep)
while listhide != ""
if listhide =~ ','
let hide = substitute(listhide,',.*$','','e')
let listhide = substitute(listhide,'^.\{-},\(.*\)$','\1','e')
else
let hide = listhide
let listhide = ""
endif
" Prune the list by hiding any files which match
if g:netrw_hide == 1
" call Decho("hiding<".hide."> listhide<".listhide.">")
exe 'silent keepjumps '.w:netrw_bannercnt.',$g'.sep.hide.sep.'d'
elseif g:netrw_hide == 2
" call Decho("showing<".hide."> listhide<".listhide.">")
exe 'silent keepjumps '.w:netrw_bannercnt.',$g'.sep.hide.sep.'s@^@ /-KEEP-/ @'
endif
endwhile
if g:netrw_hide == 2
exe 'silent keepjumps '.w:netrw_bannercnt.',$v@^ /-KEEP-/ @d'
exe 'silent keepjumps '.w:netrw_bannercnt.',$s@^\%( /-KEEP-/ \)\+@@e'
endif
" call Dret("NetrwListHide")
endfun
" --------------------------------------------------------------------" NetrwHideEdit: allows user to edit the file/directory hiding list
fun! s:NetrwHideEdit(islocal)
" call Dfunc("NetrwHideEdit(islocal=".a:islocal.")")
" save current cursor position
let svpos= netrw#NetrwSavePosn()
" get new hiding list from user
call inputsave()
let newhide= input("Edit Hiding List: ",g:netrw_list_hide)
call inputrestore()
let g:netrw_list_hide= newhide
" call Decho("new g:netrw_list_hide<".g:netrw_list_hide.">")
" refresh the listing
silent call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,"./"))
" restore cursor position
call netrw#NetrwRestorePosn(svpos)

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" call Dret("NetrwHideEdit")
endfun

" ---------------------------------------------------------------------
" NetSortSequence: allows user to edit the sorting sequence
fun! s:NetSortSequence(islocal)
 " call Dfunc("NetSortSequence(islocal=".a:islocal.")")

let svpos= netrw#NetrwSavePosn()
call inputsave()
let newsortseq= input("Edit Sorting Sequence: ".g:netrw_sort_sequence)
call inputrestore()

" refresh the listing
let g:netrw_sort_sequence= newsortseq
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/'))
call netrw#NetrwRestorePosn(svpos)

" call Dret("NetSortSequence")
endfun

" ---------------------------------------------------------------------
" s:NetrwMakeDir: this function makes a directory (both local and remote) {{12
fun! s:NetrwMakeDir(usrhost)
 " call Dfunc("NetrwMakeDir(usrhost<".a:usrhost.")")

" get name of new directory from user. A bare <CR> will skip.
" if its currently a directory, also request will be skipped, but with
" a message.
call inputsave()
let newdirname= input("Please give directory name: ")
call inputrestore()
 " call Decho("newdirname<".newdirname."">")

if newdirname == ""
 " call Dret("NetrwMakeDir : user aborted with bare <cr>")
 return
endif

if a:usrhost == ""
 " call Decho("local mkdir")

 " Local mkdir:
 " sanity checks
let fullnewdir= b:netrw_curdir.'/'.newdirname
 " call Decho("fullnewdir<".fullnewdir."">")
if isdirectory(fullnewdir)
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:WARNING,"<"&.newdirname."> is already a directory!",24)
endif
" call Dret("NetrwMakeDir : directory<"&.newdirname."> exists previously")
return
endif
if s:FileReadable(fullnewdir)
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:WARNING,">"&.newdirname."> is already a file!",25)
endif
" call Dret("NetrwMakeDir : file<"&.newdirname."> exists previously")
return
endif

" requested new local directory is neither a pre-existing file or
directory, so make it!
if exists("*mkdir")
call mkdir(fullnewdir,"p")
else
let netrw_origdir= s:NetrwGetcwd(1)
exe 'keepjumps lcd '.fnameescape(b:netrw_curdir)
" call Decho("netrw_origdir<"&.netrw_origdir.">: lcd b:netrw_curdir<".fnameescape(b:netrw_curdir).">")
" call Decho("exe silent! "&.g:netrw_local_mkdir.' '.shellescape(newdirname,1))
exe "silent! "&.g:netrw_local_mkdir.' '.shellescape(newdirname,1)
if !g:netrw_keepdir
exe 'keepjumps lcd '.fnameescape(netrw_origdir)
" call Decho("netrw_keepdir="&.g:netrw_keepdir."': keepjumps lcd '.fnameescape(netrw_origdir)."
getcwd<".getcwd().">")
endif
endif

if v:shell_error == 0
" refresh listing
" call Decho("refresh listing")
let svpos= netrw#NetrwSavePosn()
call s:NetrwRefresh(1,s:NetrwBrowseChgDir(1,./))
call netrw#NetrwRestorePosn(svpos)
elseif !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"unable to make directory<"&.newdirname.">",26)
endif
" redraw!
elseif !exists("b:netrw_method") || b:netrw_method == 4
" Remote mkdir:
" call Decho("remote mkdir")
let mkdircmd = s:MakeSshCmd(g:netrw_mkdir_cmd)
let newdirname= substitute(b:netrw_curdir,'%(\{-\}\[3]\[,*].$\,"\l",').newdirname
" call Decho("exe silent! "&.mkdircmd." '.shellescape(newdirname,1))
exe "silent! !".mkdircmd." .shellescape(newdirname,1)
if v:shell_error == 0
" refresh listing
let svpos= netrw#NetrwSavePosn()
call s:NetrwRefresh(0,s:NetrwBrowseChgDir(0,'/'))
call netrw#NetrwRestorePosn(svpos)
elseif !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"unable to make directory<".newdirname."">",27)
endif
" redraw!
elseif b:netrw_method == 2
" COMBAK -- future work
call netrw#ErrorMsg(s:ERROR,"making directories via ftp not currently supported",68)
elseif b:netrw_method == 3
" COMBAK -- future work
call netrw#ErrorMsg(s:ERROR,"making directories via ftp not currently supported",68)
endif
" call Dret("NetrwMakeDir")
endfun

" s:NetrwMarkFile: (invoked by mf) This function is used to both {{{2
" mark and unmark files. If a markfile list exists,
" then the rename and delete functions will use it instead
" of whatever may happen to be under the cursor at that
" moment. When the mouse and gui are available,
" shift-leftmouse may also be used to mark files.
"
" Creates two lists
" s:netrwmarkfilelist -- holds complete paths to all marked files
" s:netrwmarkfilelist_# -- holds list of marked files in current-buffer's directory (#==bufnr())
"
" Creates a marked file match string
" s:netrwmarkfilemtch_# -- used with 2match to display marked files
"
" Creates a buffer version of islocal
" b:netrw_islocal
"
fun! s:NetrwMarkFile(islocal,fname)
" call Dfunc("s:NetrwMarkFile(islocal=".a:islocal." fname<".a:fname."">")
let curbufnr= bufnr("%")
let curdir  = b:netrw_curdir
if exists("s:netrwmarkfilelist_{curbufnr}"
" markfile list exists
" call Decho("starting s:netrwmarkfilelist_{curbufnr}".string(s:netrwmarkfilelist_{curbufnr}).""
" call Decho("starting s:netrwmarkfilemtch_{curbufnr}".string(s:netrwmarkfilemtch_{curbufnr})."")
let b:netrw_islocal= a:islocal

if index(s:netrwmarkfilelist_{curbufnr},a:fname) == -1
   " append filename to buffer's markfilelist
   "    call Decho("append filename<".a:fname."> to local
   markfilelist_".curbufnr."<".string(s:netrwmarkfilelist_{curbufnr})."">")
   call add(s:netrwmarkfilelist_{curbufnr},a:fname)
   let s:netrwmarkfilemtch_{curbufnr}=
   s:netrwmarkfilemtch_{curbufnr}.\|<.escape(a:fname,g:netrw_markfileesc."".g:netrw_markfileesc."".).\>
else
   " remove filename from buffer's markfilelist
   "    call Decho("remove filename<".a:fname."> from local
   markfilelist_".curbufnr."<".string(s:netrwmarkfilelist_{curbufnr})."">")
   call filter(s:netrwmarkfilelist_{curbufnr},'v:val != a:fname')
   if s:netrwmarkfilelist_{curbufnr} == []
      " local markfilelist is empty; remove it entirely
      "    call Decho("markfile list now empty")
   else
      " rebuild match list to display markings correctly
      "    call Decho("rebuild s:netrwmarkfilemtch_".curbufnr)
      let s:netrwmarkfilemtch_{curbufnr}= ""
      let first = 1
      for fname in s:netrwmarkfilelist_{curbufnr}
        if first
          let s:netrwmarkfilemtch_{curbufnr}=
          s:netrwmarkfilemtch_{curbufnr}.\|<.escape(fname,g:netrw_markfileesc."".g:netrw_markfileesc."".).\>
        else
          let s:netrwmarkfilemtch_{curbufnr}=
          s:netrwmarkfilemtch_{curbufnr}.\|<.escape(fname,g:netrw_markfileesc."".g:netrw_markfileesc."".).\>
        endif
        let first= 0
      endfor
      "    call Decho("ending s:netrwmarkfilelist_".curbufnr."<".string(s:netrwmarkfilelist_{curbufnr})."">")
      "    call Decho("ending s:netrwmarkfilemtch_".curbufnr."<".s:netrwmarkfilemtch_{curbufnr}."">")
    endif
else
   " initialize new markfilelist
   "    call Decho("add fname<".a:fname."> to new markfilelist_".curbufnr)
   let s:netrwmarkfilelist_{curbufnr}= []
   call add(s:netrwmarkfilelist_{curbufnr},a:fname)
   "    call Decho("ending s:netrwmarkfilelist_{curbufnr}".string(s:netrwmarkfilelist_{curbufnr})."">
   " build initial markfile matching pattern
if a:fname =~ '/$'
let s:netrwmarkfilemtch_{curbufnr}= '\<'.escape(a:fname,g:netrw_markfileesc)
else
let s:netrwmarkfilemtch_{curbufnr}= '\<'.escape(a:fname,g:netrw_markfileesc).'\>'
endif
" call Decho("ending s:netrwmarkfilemtch_".curbufnr."<".s:netrwmarkfilemtch_{curbufnr}.">")
endif
" handle global markfilelist
if exists("s:netrwmarkfilelist")
let dname= s:ComposePath(b:netrw_curdir,a:fname)
if index(s:netrwmarkfilelist,dname) == -1
" append new filename to global markfilelist
call add(s:netrwmarkfilelist,s:ComposePath(b:netrw_curdir,a:fname))
" call Decho("append filename<".a:fname."> to global markfilelist<".string(s:netrwmarkfilelist).">")
else
" remove new filename from global markfilelist
" call Decho("filter(".string(s:netrwmarkfilelist).",'v:val != '.".dname.")")
call filter(s:netrwmarkfilelist,'v:val != "'.dname.'"')
" call Decho("ending s:netrwmarkfilelist <".string(s:netrwmarkfilelist).">")
if s:netrwmarkfilelist == []
unlet s:netrwmarkfilelist
endif
endif
else
" initialize new global-directory markfilelist
let s:netrwmarkfilelist= []
call add(s:netrwmarkfilelist,s:ComposePath(b:netrw_curdir,a:fname))
" call Decho("init s:netrwmarkfilelist<".string(s:netrwmarkfilelist).">")
endif
" set up 2match'ing to netrwmarkfilemtch list
if exists("s:netrwmarkfilemtch_{curbufnr}") && s:netrwmarkfilemtch_{curbufnr} != ""
" call Decho("exe 2match netrwMarkFile /".s:netrwmarkfilemtch_{curbufnr}."/")
exe "2match netrwMarkFile /".s:netrwmarkfilemtch_{curbufnr}."/"
else
" call Decho("2match none")
2match none
endif
" call Dret("s:NetrwMarkFile : netrwmarkfilelist_".curbufnr."<".(exists("s:netrwmarkfilelist_{curbufnr}")?
string(s:netrwmarkfilelist_{curbufnr}) : " doesn't exist").">")
endfun
" --------------------------------------------------------------------" s:NetrwMarkFileCompress: (invoked by mz) This function is used to {{{2
"
compress/decompress files using the programs
"
in g:netrw_compress and g:netrw_uncompress,
"
using g:netrw_compress_suffix to know which to

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do. By default:

- \texttt{g.netrw_compress} = "gzip"
- \texttt{g.netrw_decompress} = { ".gz" : "gunzip" , ".bz2" : "bunzip2" , ".zip" : "unzip" , ".tar" : "tar -xf" }

\texttt{fun! s:NetrwMarkFileCompress(islocal)}

\texttt{call Dfunc("s:NetrwMarkFileCompress(islocal=".a:islocal.")+")}

let svpos = netrw#NetrwSavePosn()
let curdir = b:netrw_curdir
let curbufnr = bufnr("%")

if exists("s:netrwmarkfilelist_{curbufnr}") && exists("g:netrw_compress") && exists("g:netrw_decompress")
for fname in s:netrwmarkfilelist_{curbufnr}
  for every filename in the marked list
  for sfx in sort(keys(g:netrw_decompress))
    if fname =~ "\.'\sfx.'$'
      fname has a suffix indicating that its compressed; apply associated decompression routine
      let exe= s:WinPath(g:netrw_decompress[sfx])
      call Decho("fname<".fname."> is compressed so decompress with <".exe.">")
      if a:islocal
        if g:netrw_keepdir
          let fname= shellescape(s:ComposePath(curdir,fname))
        endif
        else
          let fname= shellescape(b:netrw_curdir.fname,1)
        endif
      endif
      if executable(exe)
        if a:islocal
          call system(exe."."fname)
        else
          call s:RemoteSystem(exe."."fname)
        endif
      else
        call netrw#ErrorMsg(s:WARNING,"unable to apply<".exe."> to file<".fname.">,50)
      endif
      break
    endif
  endfor
if exists("exe")
  unlet exe
else if a:islocal
  " fname not a compressed file, so compress it
  call system(s:WinPath(g:netrw_compress)."."shellescape(s:ComposePath(b:netrw_curdir,fname))))
else
  " fname not a compressed file, so compress it
  call s:RemoteSystem(s:WinPath(g:netrw_compress)."."shellescape(fname))
endif
endfor
call s:NetrwUnmarkList(curbufnr,curdir)
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/'))
call netrw#NetrwRestorePosn(svpos)
endif
" call Dret("s:NetrwMarkFileCompress")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileCopy: (invoked by mc) copy marked files to target {{2
" If no marked files, then set up directory as the
" target. Currently does not support copying entire
" directories. Uses the local-buffer marked file list.
" Returns 1=success (used by NetrwMarkFileMove())
" 0=failure
fun! s:NetrwMarkFileCopy(islocal)
  call Dfunc("s:NetrwMarkFileCopy(islocal="a:islocal.") target=".exists("s:netrwmtgt")? s:netrwmtgt : "---"."("")")

" sanity checks
if !exists("s:netrwmarkfilelist_{bufnr('%')}") || empty(s:netrwmarkfilelist_{bufnr('%')})
call netrw#ErrorMsg(2,"there are no marked files in this window (:help netrw-mf)",66)
" call Dret("s:NetrwMarkFileCopy 0")
return 0
endif
" call Decho("sanity chk passed: s:netrwmarkfilelist_".bufnr('%')."<".string(s:netrwmarkfilelist_{bufnr('%')}))
if !exists("s:netrwmtgt")
call netrw#ErrorMsg(2,"your marked file target is empty! (:help netrw-mt)",67)
" call Dret("s:NetrwMarkFileCopy 0")
return 0
endif
" call Decho("sanity chk passed: s:netrwmtgt<".s:netrwmtgt.";">")
let curdir   = b:netrw_curdir
let curbufnr = bufnr(""

if a:islocal && s:netrwmtgt_islocal
" Copy marked files, local directory to local directory
" call Decho("copy from local to local")
let args= join(map(deepcopy(s:netrwmarkfilelist_{bufnr('%')})),"shellescape(b:netrw_curdir."\".v:val")")
call Decho("system(".g:netrw_localcopycmd." ".args." ".shellescape(s:netrwmtgt).")")
call system(s:WinPath(g:netrw_localcopycmd)." ".args." ".shellescape(s:netrwmtgt))
elseif a:islocal && !s:netrwmtgt_islocal
" Copy marked files, local directory to remote directory
" call Decho("copy from local to remote")
call s:NetrwUpload(s:netrwmarkfilelist_{bufnr('%')},s:netrwmtgt)
elseif !a:islocal && s:netrwmtgt_islocal
" call Decho("copy from remote to local")
call netrw#NetrwObtain(a:islocal,s:netrwmarkfilelist_{bufnr('%')},s:netrwmtgt)
elseif !a:islocal && !s:netrwftgt_islocal
   call Decho("copy from remote to remote")
   let curdir = getcwd()
   let tmpdir = s:GetTempfile(""")
   if tmpdir !~ '/'
      let tmpdir = curdir."/".tmpdir
   endif
   if exists("*mkdir")
      call mkdir(tmpdir)
   else
      exe "silent! g:netrw_local_mkdir. ".shellescape(tmpdir,1)
   endif
   if isdirectory(tmpdir)
      exe "keepjumps lcd ".fnameescape(tmpdir)
      call netrw#NetrwObtain(a:islocal,s:netrwmarkfilelist_{bufnr('%')}.tmpdir)
      let localfiles= map(deepcopy(s:netrwmarkfilelist_{bufnr('%')}),'substitute(v:val,"^.*/","","")')
      call s:NetrwUpload(localfiles,s:netrwftgt)
      if getcwd() == tmpdir
         for fname in s:netrwmarkfilelist_{bufnr('%')}
            call s:NetrwDelete(fname)
         endfor
      else
         exe "keepjumps lcd ".fnameescape(curdir)
      endif
      endif
   endif

   " -------
   " cleanup
   " -------
   " call Decho("cleanup")

   " remove markings from local buffer
   call s:NetrwUnmarkList(curbufnr,curdir)

   " refresh buffers
   if !s:netrwftgt_islocal
      call s:NetrwRefreshDir(s:netrwftgt_islocal,s:netrwftgt)
   endif
   if a:islocal
      call s:NetrwRefreshDir(a:islocal,b:netrw_curdir)
   endif
   if g:netrw_fastbrowse <= 1
      call s:LocalBrowseShellCmdRefresh()
   endif
" call Dret("s:NetrwMarkFileCopy 1")
return 1
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileDiff: (invoked by md) This function is used to {{{2
" invoke vim's diff mode on the marked files.
" Either two or three files can be so handled.
" Uses the global marked file list.
fun! s:NetrwMarkFileDiff(islocal)
" call Dfunc("s:NetrwMarkFileDiff(islocal=".a:islocal.") b:netrw_curdir<".b:netrw_curdir."">
let curbufnr= bufnr("%")
if exists("s:netrwmarkfilelist_{curbufnr}"")
let cnt    = 0
let curdir = b:netrw_curdir
for fname in s:netrwmarkfilelist
let cnt= cnt + 1
if cnt == 1
" call Decho("diffthis: fname<".fname.">")
exe "e ".fnameescape(fname)
diffthis
elseif cnt == 2 || cnt == 3
vsplit
wincmd l
" call Decho("diffthis: ".fname)
exe "e ".fnameescape(fname)
diffthis
else
break
endif
endfor
call s:NetrwUnmarkList(curbufnr,curdir)
endif

" call Dret("s:NetrwMarkFileDiff")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileEdit: (invoked by me) put marked files on arg list and start editing them {{{2
" Uses global markfilelist
fun! s:NetrwMarkFileEdit(islocal)
" call Dfunc("s:NetrwMarkFileEdit(islocal=".a:islocal.")")
let curdir   = b:netrw_curdir
let curbufnr = bufnr("%")
if exists("s:netrwmarkfilelist_{curbufnr}"")
call s:SetRexDir(a:islocal,curdir)
call s:NetrwUnmarkList(curbufnr,curdir)
endif

" call Dret("s:NetrwMarkFileEdit")
endfun
let flist= join(map(deepcopy(s:netrwmarkfilelist), "fnameescape(v:val)"))
" unmark markedfile list
" call s:NetrwUnmarkList(curbufnr,curdir)
call s:NetrwUnmarkAll()
" call Decho("exe silent args ",flist)
exe "silent args ",flist
endif

" call Dret("s:NetrwMarkFileEdit")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileExe: (invoked by mx) execute arbitrary command on marked files, one at a time {{1}
" Uses the local marked-file list.
fun! s:NetrwMarkFileExe(islocal)
" call Dfunc("s:NetrwMarkFileExe(islocal="",a:islocal."=")"
let svpos    = netrw#NetrwSavePosn()
let curdir   = b:netrw_curdir
let curbufnr = bufnr("%")

if exists("s:netrwmarkfilelist_{curbufnr}")
" get the command
call inputsave()
let cmd= input("Enter command: ","
" file")
call inputrestore()
" call Decho("cmd<"cmd.">")

" apply command to marked files. Substitute: filename -> %
" If no %, then append a space and the filename to the command
for fname in s:netrwmarkfilelist_{curbufnr}
if a:islocal
if g:netrw_keepdir
let fname= shellescape(s:WinPath(s:ComposePath(curdir,fname)))
endif
else
let fname= shellescape(s:WinPath(b:netrw_curdir.fname))
endif
if cmd =~ '%'
let xcmd= substitute(cmd,'%',fname,'g')
else
let xcmd= cmd.' '.fname
endif
if a:islocal
" call Decho("local: xcmd<"xcmd.">")
let ret= system(xcmd)
else
" call Decho("remote: xcmd<"xcmd.">")
let ret= s:RemoteSystem(xcmd)
endif
endif
if v:shell_error < 0
call netrw#ErrorMsg(s:ERROR,"command<".xcmd."> failed, aborting",54)
break
else
echo ret
endif
endfor
" unmark marked file list
call s:NetrwUnmarkList(curbufnr,curdir)
" refresh the listing
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'./'))
call netrw#NetrwRestorePosn(svpos)
else
call netrw#ErrorMsg(s:ERROR,"no files marked!",59)
endif
" call Dret("s:NetrwMarkFileExe")
endfun
" --------------------------------------------------------------------" s:NetrwMarkHideSfx: (invoked by mh) (un)hide files having same suffix
"
as the marked file(s) (toggles suffix presence)
"
Uses the local marked file list.
fun! s:NetrwMarkHideSfx(islocal)
" call Dfunc("s:NetrwMarkHideSfx(islocal=".a:islocal.")")
let svpos = netrw#NetrwSavePosn()
let curbufnr = bufnr("%")
" s:netrwmarkfilelist_{curbufnr}: the List of marked files
if exists("s:netrwmarkfilelist_{curbufnr}")
for fname in s:netrwmarkfilelist_{curbufnr}
" call Decho("s:NetrwMarkFileCopy: fname<".fname.">")
" construct suffix pattern
if fname =~ '\.'
let sfxpat= "^.*".substitute(fname,'^.*\(\.[^. ]\+\)$','\1','')
else
let sfxpat= '^\%(\%(\.\)\@!.\)*$'
endif
" determine if its in the hiding list or not
let inhidelist= 0
if g:netrw_list_hide != ""
let itemnum = 0
let hidelist= split(g:netrw_list_hide,',')
for hidepat in hidelist

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if sfxpat == hidepat
    let inhidelist= 1
    break
endif
let itemnum= itemnum + 1
endfor
endif
"    call Decho("fname<".fname."> inhidelist=".inhidelist." sfxpat<".sfxpat.">")
if inhidelist
" remove sfxpat from list
    call remove(hidelist,itemnum)
    let g:netrw_list_hide= join(hidelist,",")
elseif g:netrw_list_hide != ""
    " append sfxpat to non-empty list
    let g:netrw_list_hide= g:netrw_list_hide:",".sfxpat
else
    " set hiding list to sfxpat
    let g:netrw_list_hide= sfxpat
endif
endfor
" refresh the listing
    call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/'))
call netrw#NetrwRestorePosn(svpos)
else
    call netrw#ErrorMsg(s:ERROR,"no files marked!",59)
endif
"    call Dret("s:NetrwMarkHideSfx")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileGrep: (invoked by mg) This function applies vimgrep to marked files {{2
"                     Uses the global markfilelist
fun! s:NetrwMarkFileGrep(islocal)
" call Dfunc("s:NetrwMarkFileGrep(islocal=".a:islocal.")")
let svposnr = bufnr("%")
if exists("s:netrwmarkfilelist")
" call Decho("s:netrwmarkfilelist".string(s:netrwmarkfilelist).">")
let netrwmarkfilelist= join(map(dee COPY(s:netrwmarkfilelist), "fnameescape(v:val)"))
call s:NetrwUnmarkAll()
" ask user for pattern
call inputsave()
let pat= input("Enter pattern: ","")
call inputrestore()
if pat !~ '^\s$
if pat !~ '^/'
    let pat= "/".pat."/
endif
let pat= ".".pat
endif

" use vimgrep for both local and remote
" call Decho("exe vimgrep".pat."".netrwmarkfilelist)
exe "vimgrep".pat."".netrwmarkfilelist

2match none
call netrw#NetrwRestorePosn(svpos)
endif

" call Dret("s:NetrwMarkFileGrep")
endfun

"----------------------------------------------------------------------------------
" s:NetrwMarkFileMove: (invoked by mm) execute arbitrary command on marked files, one at a time {{2
"                      uses the global marked file list
"                      s:netrwmfloc= 0: target directory is remote
"                                  = 1: target directory is local
fun! s:NetrwMarkFileMove(islocal)
" call Dfunc("s:NetrwMarkFileMove(islocal=\".a:islocal.\")")
let curdir   = b:netrw_curdir
let curbufnr = bufnr("%")

" sanity check
if !exists("s:netrwmarkfilelist_{bufnr('')}") || empty(s:netrwmarkfilelist_{bufnr('')}))
call netrw#ErrorMsg(2,"there are no marked files in this window (:help netrw-mf)",66)
" call Dret("s:NetrwMarkFileMove")
return
endif
" call Decho("sanity chk passed: s:netrwmarkfilelist_\".bufnr('\")\")")
if !exists("s:netrwmftgt")
call netrw#ErrorMsg(2,"your marked file target is empty! (:help netrw-mt)",67)
" call Dret("s:NetrwMarkFileCopy 0")
return 0
endif
" call Decho("sanity chk passed: s:netrwmftgt\".s:netrwmftgt."\")")

if a:islocal && s:netrwmftgt_islocal
" move: local -> local
" call Decho("move from local to local")
" call Decho("(s:NetrwMarkFileMove) local to local move")
if executable(g:netrw_localmovecmd)
    for fname in s:netrwmarkfilelist_{bufnr('')}
call Decho("system\(" . g:netrw_localmovecmd . ".\" . she_escape(fname) . ".\" . she_escape(s:netrw_target) . \")")
let ret = system(g:netrw_localmovecmd . " . she_escape(fname) . " . she_escape(s:netrw_target))
if v:shell_error < 0
call netrw#ErrorMsg(s:ERROR,"command\" . g:netrw_localmovecmd . "> failed, aborting",54)
break
endif
endfor
else
    call netrw#ErrorMsg(s:ERROR,"command\" . g:netrw_localmovecmd . "> is not executable!",57)
endif
elseif a:islocal && !s:netrw_target_islocal
    " move: local -> remote
    " call Decho("move from local to remote")
    " call Decho("copy")
    let mflist = s:netrw_mark_filelist_[bufnr("%")]
    call s:NetrwMarkFileCopy(a:islocal)
    " call Decho("remove")
    for fname in mflist
        let barefname = substitute(fname,\"%.*\/(\[\-]\)\$\',\'\")
        let ok = s:NetrwLocalRmFile(b:netrw_curdir,barefname,1)
    endfor
    unlet mflist
elseif !a:islocal && s:netrw_target_islocal
    " move: remote -> local
    " call Decho("move from remote to local")
    " call Decho("copy")
    let mflist = s:netrw_mark_filelist_[bufnr("%")]
    call s:NetrwMarkFileCopy(a:islocal)
    " call Decho("remove")
    for fname in mflist
        let barefname = substitute(fname,\"%.*\/(\[\-]\)\$\',\'\")
        let ok = s:NetrwRemoteRmFile(b:netrw_curdir,barefname,1)
    endfor
    unlet mflist
elseif !a:islocal && !s:netrw_target_islocal
    " move: remote -> remote
    " call Decho("move from remote to remote")
    " call Decho("copy")
    let mflist = s:netrw_mark_filelist_[bufnr("%")]
    call s:NetrwMarkFileCopy(a:islocal)
    " call Decho("remove")
    for fname in mflist
        let barefname = substitute(fname,\"%.*\/(\[\-]\)\$\',\'\")
        let ok = s:NetrwRemoteRmFile(b:netrw_curdir,barefname,1)
    endfor
unlet mflist
endif

" -------
" cleanup
" -------
" call Decho("cleanup")

" remove markings from local buffer
call s:NetrwUnmarkList(curbufnr,curdir) " remove markings from local buffer

" refresh buffers
if !s:netrwfmtgt_islocal
    call s:NetrwRefreshDir(s:netrwfmtgt_islocal,s:netrwfmtgt)
endif
if a:islocal
    call s:NetrwRefreshDir(a:islocal,b:netrw_curdir)
endif
if g:netrw_fastbrowse <= 1
    call s:LocalBrowseShellCmdRefresh()
endif

" call Dret("s:NetrwMarkFileMove")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFilePrint: (invoked by mp) This function prints marked files {}2
" using the hardcopy command. Local marked-file list only.
fun! s:NetrwMarkFilePrint(islocal)
    call Dfunc("s:NetrwMarkFilePrint(islocal="a:islocal.")")
    let curbufnr= bufnr("%")
    if exists("s:netrwmarkfilelist_{curbufnr}")
        let netrwmarkfilelist = s:netrwmarkfilelist_{curbufnr}
        let curdir = b:netrw_curdir
        call s:NetrwUnmarkList(curbufnr,curdir)
        for fname in netrwmarkfilelist
            if a:islocal
                if g:netrw_keepdir
                    let fname= s:ComposePath(curdir,fname)
                endif
            else
                let fname= curdir.fname
            endif
        1split
        " the autocmds will handle both local and remote files
        " call Decho("exe silent e ".escape(fname,\')")
        exe "silent e ".fnameescape(fname)
        " call Decho("hardcopy")
hardcopy
9
endfor
2match none
endif
" call Dret("s:NetrwMarkFilePrint")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileRegexp: (invoked by mr) This function is used to mark files when given a regexp (for which a prompt is issued).
fun! s:NetrwMarkFileRegexp(islocal)
" call Dfunc("s:NetrwMarkFileRegexp(islocal=".a:islocal."))

" get the regular expression
call inputsave()
let regexp= input("Enter regexp: ","","file")
call inputrestore()

if a:islocal
" get the matching list of files using local glob()
" call Decho("handle local regexp")
let dirname = escape(b:netrw_curdir,g:netrw_glob_escape)
let filelist = glob(s:ComposePath(dirname,regexp))
if filelist != ""
let filelist= filelist."\n"
endif

" mark the list of files
while filelist != ""
if filelist =~ "\n"
let filename = substitute(filelist,\n.*$",",e')
let filelist = substitute(filelist,^[\-]\n(.*$)”\.\n",e')
else
let filename = filelist
let filelist = ""
endif
" call Decho("filename<".filename.">")
" call Decho("filename<".filename.">")
call s:NetrwMarkFile(a:islocal,substitute(filename,^[\-'].$",",))
endwhile

else
" call Decho("handle remote regexp")

" convert displayed listing into a filelist
let eikeep = &ei
let areg = @a
silent %y a
set ei=all ma
" call Decho("set ei=all ma")
lsplit
enew
silent norm! "ap
2
let bannercnt= search('^" =====','W')
exe "silent 1,".bannercnt."d"
set bt=nofile
if g:netrw_liststyle == s:LONGLIST
silent %s/s\{2,\}S.*$//e
elseif g:netrw_liststyle == s:WIDELIST
silent %s/s\{2,\}/ur/ge
elseif g:netrw_liststyle == s:TREELIST
silent %s/\| //e
silent! g/^.*$/d
endif
" convert regexp into the more usual glob-style format
let regexp= substitute(regexp,'\*','.*','g')
" call Decho("regexp<".regexp.">")
exe "silent! v/".escape(regexp,'/')."/d"
let filelist= getline(1,line("$"))
q!
for filename in filelist
  call s:NetrwMarkFile(a:islocal,substitute(filename,'^.*/','',''))
endfor
unlet filelist
let @a  = areg
let &ei = eikeep
endif
" call Dret("s:NetrwMarkFileRegexp")
endfun

" s:NetrwMarkFileSource: (invoked by ms) This function sources marked files {}
  Uses the local marked file list.
fun! s:NetrwMarkFileSource(islocal)
  call Dfunc("s:NetrwMarkFileSource(islocal=".a:islocal."))
let curbufnr= bufnr("%")
if exists("s:netrwmarkfilelist_{curbufnr}")
  let netrwmarkfilelist = s:netrwmarkfilelist_{bufnr("%")}
  let curdir = b:netrw_curdir
  call s:NetrwUnmarkList(curbufnr,curdir)
for fname in netrwmarkfilelist
  if a:islocal
"
if g:netrw_keepdir
let fname= s:ComposePath(curdir,fname)
endif
else
let fname= curdir.fname
endif
" the autocmds will handle sourcing both local and remote files
" call Decho("exe so ".fnameescape(fname))
exe "so ".fnameescape(fname)
endfor
2match none
endif
" call Dret("s:NetrwMarkFileSource")
endfun
" --------------------------------------------------------------------" s:NetrwMarkFileTag: (invoked by mT) This function applies g:netrw_ctags to marked files {{{2
"
Uses the global markfilelist
fun! s:NetrwMarkFileTag(islocal)
" call Dfunc("s:NetrwMarkFileTag(islocal=".a:islocal.")")
let svpos = netrw#NetrwSavePosn()
let curdir = b:netrw_curdir
let curbufnr = bufnr("%")
if exists("s:netrwmarkfilelist")
" call Decho("s:netrwmarkfilelist".string(s:netrwmarkfilelist).">")
let netrwmarkfilelist= join(map(deepcopy(s:netrwmarkfilelist), "shellescape(v:val,".!a:islocal.")"))
call s:NetrwUnmarkAll()
if a:islocal
if executable(g:netrw_ctags)
" call Decho("call system(".g:netrw_ctags." ".netrwmarkfilelist.")")
call system(g:netrw_ctags." ".netrwmarkfilelist)
else
call netrw#ErrorMsg(s:ERROR,"g:netrw_ctags<".g:netrw_ctags."> is not executable!",51)
endif
else
let cmd = s:RemoteSystem(g:netrw_ctags." ".netrwmarkfilelist)
call netrw#NetrwObtain(a:islocal,"tags")
let curdir= b:netrw_curdir
1split
e tags
let path= substitute(curdir,'^\(.*\)/[^/]*$','\1/','')
" call Decho("curdir<".curdir."> path<".path.">")
exe '%s/\t\(\S\+\)\t/\t'.escape(path,"/\n\r\\").'\1\t/e'
wq!
endif
2match none

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call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,’/’))
call netrw#NetrwRestorePosn(svpos)
endif

" call Dret("s:NetrwMarkFileTag")
endfun

" ---------------------------------------------------------------------
" s:NetrwMarkFileTgt: (invoked by mt) This function sets up a marked file target {{{2
" Sets up two variables,
"  s:netrwmftgt : holds the target directory
"  s:netrwmftgt_islocal : 0=target directory is remote
"  1=target directory is local
fun! s:NetrwMarkFileTgt(islocal)
call Dfunc("s:NetrwMarkFileTgt(islocal=”.a:islocal.”)
let svpos  = netrw#NetrwSavePosn()
let curdir = b:netrw_curdir
let hadtgt = exists("s:netrwmftgt")
if !exists("w:netrw_bannercnt")
let w:netrw_bannercnt= b:netrw_bannercnt
endif
" set up target
if line(".") < w:netrw_bannercnt
" if cursor in banner region, use b:netrw_curdir for the target
let s:netrwmftgt= b:netrw_curdir
" call Decho("inbanner: s:netrwmftgt<”.s:netrwmftgt.”>")
else
" get word under cursor.
" * If directory, use it for the target.
" * If file, use b:netrw_curdir for the target
let curword= s:NetrwGetWord()
let tgtdir = s:ComposePath(curdir,curword)
if a:islocal && isdirectory(tgtdir)
let s:netrwmftgt = tgtdir
" call Decho("local isdir: s:netrwmftgt<”.s:netrwmftgt.”>")
elseif !a:islocal && tgtdir =~ '/$'
let s:netrwmftgt = tgtdir
" call Decho("remote isdir: s:netrwmftgt<”.s:netrwmftgt.”>")
else
let s:netrwmftgt = curdir
" call Decho("isfile: s:netrwmftgt<”.s:netrwmftgt.”>")
endif
endif
if a:islocal
" simplify the target (eg. /abc/def/../ghi -> /abc/ghi)
let s:netrwmftgt= simplify(s:netrwmftgt)
call Decho("simplify: s:netrwmftgt<".s:netrwmftgt."">")
endif
if g:netrw_cygwin
let s:netrwmftgt= substitute(system("cygpath ".shellescape(s:netrwmftgt)),"\n$","")
let s:netrwmftgt= substitute(s:netrwmftgt,"\n$","")
endif
let s:netrwmftgt_islocal= a:islocal
if g:netrw_fastbrowse <= 1
call s:LocalBrowseShellCmdRefresh()
endif
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/' ))
call netrw#NetrwRestorePosn(svpos)
if !hadtgt
norm! j
endif

call Dret("s:NetrwMarkFileTgt : netrwmftgt<".(exists("s:netrwmftgt")? s:netrwmftgt : ").">")
endfun

* s:NetrwOpenFile: query user for a filename and open it [ [2
fun! s:NetrwOpenFile(islocal)
call Dfunc("s:NetrwOpenFile(islocal=".a:islocal.")")
call inputsave()
let fname= input("Enter filename: ")
call inputrestore()
if fname !~ '/\]' if exists("b:netrw_curdir")
if exists("g:netrw_quiet")
let netrw_quiet_keep = g:netrw_quiet
endif
let g:netrw_quiet    = 1
if b:netrw_curdir =~ '/$' exe "e ".fnameescape(b:netrw_curdir.fname)
else
exe "e ".fnameescape(b:netrw_curdir."/".fname)
endif
if exists("netrw_quiet_keep")
let g:netrw_quiet= netrw_quiet_keep
else
unlet g:netrw_quiet
endif
endif
else
exe "e ".fnameescape(fname)
endif
" call Dret("s:NetrwOpenFile")
endfun

" ---------------------------------------------------------------------
" s:NetrwUnmarkList: delete local marked file lists and remove their contents from the global marked-file list {{2
fun! s:NetrwUnmarkList(curbufnr, curdir)
    call Dfunc("s:NetrwUnmarkList(curbufnr=\"a:curbufnr\", curdir=\"a:curdir\")")

    remove all files in local marked-file list from global list
if exists(\"s:netrwmarkfilelist_{a:curbufnr}\")
    for mfile in s:netrwmarkfilelist_{a:curbufnr}
        let dfile = s:ComposePath(a:curdir, mfile)  " prepend directory to mfile
        let idx   = index(s:netrwmarkfilelist, dfile)  " get index in list of dfile
        call remove(s:netrwmarkfilelist, idx)  " remove from global list
    endfor
    if s:netrwmarkfilelist == []
        unlet s:netrwmarkfilelist
    endif
    unlet s:netrwmarkfilelist_{a:curbufnr}
    if exists(\"s:netrwmarkfilemtch_{a:curbufnr}\")
        unlet s:netrwmarkfilemtch_{a:curbufnr}
    endif
    2match none
    " call Dret("s:NetrwUnmarkList")
endfun

" ---------------------------------------------------------------------
" s:NetrwUnmarkAll: remove the global marked file list and all local ones {{2
fun! s:NetrwUnmarkAll()
    call Dfunc("s:NetrwUnmarkAll()")
    if exists("s:netrwmarkfilelist")
        unlet s:netrwmarkfilelist
    endif
    silent call s:NetrwUnmarkAll2()
    2match none
    " call Dret("s:NetrwUnmarkAll")
endfun

" ---------------------------------------------------------------------
" s:NetrwUnmarkAll2: {{2
fun! s:NetrwUnmarkAll2()
    call Dfunc("s:NetrwUnmarkAll2()")
    redir => netrwmarkfilelist_let
    let
    redir END
    let netrwmarkfilelist_list= split(netrwmarkfilelist_let,'\n')  " convert let string into a let list
call filter(netrwmarkfilelist_list,"v:val =~ '^s:netrwmarkfilelist_'") " retain only those vars that start as s:netrwmarkfilelist_
call map(netrwmarkfilelist_list,"substitute(v:val,'\s.*$','','')")    " remove what the entries are equal to for flist in netrwmarkfilelist_list
let curbufnr= substitute(flist,'s:netrwmarkfilelist_','"')
unlet s:netrwmarkfilelist_{curbufnr}
unlet s:netrwmarkfilemtch_{curbufnr}
endfor
" call Dret("s:NetrwUnmarkAll2")
endfun

" ---------------------------------------------------------------------
" s:NetrwUnMarkFile: {{{2
 fun! s:NetrwUnMarkFile(islocal)
 " call Dfunc("s:NetrwUnMarkFile(islocal=".)
 let svpos    = netrw#NetrwSavePosn()
 let curbufnr = bufnr("%")

 " unmark marked file list (although I expect s:NetrwUpload()
 " to do it, I'm just making sure)
if exists("s:netrwmarkfilelist_{bufnr('')}")
 " call Decho("unlet'ing: s:netrwmarkfile\[list|mtch\]_{bufnr('')}")
unlet s:netrwmarkfilelist
unlet s:netrwmarkfilelist_{curbufnr}
unlet s:netrwmarkfilemtch_{curbufnr}
2match none
endif

 " call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/'))
call netrw#NetrwRestorePosn(svpos)
" call Dret("s:NetrwUnMarkFile")
endfun

" ---------------------------------------------------------------------
" s:NetrwMenu: generates the menu for gvim and netrw {{{2
 fun! s:NetrwMenu(domenu)

if !exists("g:NetrwMenuPriority")
 let g:NetrwMenuPriority= 80
endif

if has("menu") && has("gui_running") && &go =~ 'm' && g:netrw_menu
 " call Dfunc("NetrwMenu(domenu=".)
endif

if !exists("s:netrw_menu_enabled") && a:domenu
 " call Decho("initialize menu")
 let s:netrw_menu_enabled= 1
 exe 'silent! menu '.g:NetrwMenuPriority.'l '.g:NetrwTopLvlMenu.'Help<tab><F1><F1>'

Control\tab>aa'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.4 \'.g:NetrwTopLvlMenu.'Marked\ Files.Copy\ To\ Target\tab>mc mc'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.5 \'.g:NetrwTopLvlMenu.'Marked\ Files.Delete\tab>DD'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.6 \'.g:NetrwTopLvlMenu.'Marked\ Files.Diff\tab>mdmd'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.7 \'.g:NetrwTopLvlMenu.'Marked\ Files.Edit\tab>meme'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.8 \'.g:NetrwTopLvlMenu.'Marked\ Files.Exe\ Cmd\tab>mmxmx'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.9 \'.g:NetrwTopLvlMenu.'Marked\ Files.Move\ To\ Target\tab>mm mm'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.10 \'.g:NetrwTopLvlMenu.'Marked\ Files.Obtain\tab>OO'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.11 \'.g:NetrwTopLvlMenu.'Marked\ Files.Print\tab>mpmp'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.12 \'.g:NetrwTopLvlMenu.'Marked\ Files.Replace\tab>RR'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.13 \'.g:NetrwTopLvlMenu.'Marked\ Files.Set\tab>mtmt'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.14 \'.g:NetrwTopLvlMenu.'Marked\ Files.Tag\tab>mmT'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.14.15 \'.g:NetrwTopLvlMenu.'Marked\ Files.Zip/Unzip/Compress/Uncompress\tab>zmzm'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.15 \'.g:NetrwTopLvlMenu.'Obtain\ File\tab>OO'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.16.1 \'.g:NetrwTopLvlMenu.'Style.Listing Style\ (thin-long-wide-tree)\tab>i'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.16.2 \'.g:NetrwTopLvlMenu.'Style.Normal-Hide-Show\tab>aa'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.16.3 \'.g:NetrwTopLvlMenu.'Style.Reverse\ Sorting\ Order\tab>"rr"'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.16.4 \'.g:NetrwTopLvlMenu.'Style.Sorting\ Method\ (name-time-size)\tab>ss'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.17 \'.g:NetrwTopLvlMenu.'Rename\ File/Directory\tab>RR'
  exe 'silent! menu \'.g:NetrwMenuPriority\'.18 \'.g:NetrwTopLvlMenu.'Set\ Current\ Directory\tab>cc'
  call s:NetrwBookmarkMenu() " provide some history! uses priorities 2,3, reserves 4, 8.2.x
let s:netrw_menucnt= 28
elseif !a:domenu
  let s:netrwcnt = 0
  let curwin = winnr()
  windo if getline(2) =~ "Netrw" | let s:netrwcnt= s:netrwcnt + 1 | endif
  exe curwin."wincmd w"
  if s:netrwcnt <= 1
"    call Decho("clear menus")
exe 'silent! unmenu \'.g:NetrwTopLvlMenu
"    call Decho(exe silent! unmenu \'.g:NetrwTopLvlMenu.'"')
silent! unlet s:netrw_menu_enabled
endif
endif
"    call Dret("NetrwMenu")
endif
endfun

" ---------------------------------------------------------------------
" s:NetrwObtain: obtain file under cursor or from markfile list {{2
" Used by the O maps (as <SID>NetrwObtain())
fun! s:NetrwObtain(islocal)
" call Dfunc("NetrwObtain(islocal="a:islocal.")")

if exists("s:netrwmarkfilelist_{bufnr('%')}")
  let islocal= s:netrwmarkfilelist_{bufnr('%')}[1] !~ "^\a+://"
call netrw#NetrwObtain(islocal=s:netrwmarkfilelist_{bufnr('%')}))
call s:NetrwUnmarkList(bufnr('%'),b:netrw_curdir)
else
call netrw#NetrwObtain(a:islocal,expand("<eWORD>")
endif

" call Dret("NetrwObtain")
endfun

"---------------------------------------------------------------------
" netrw#NetrwObtain: {{{2
" netrw#NetrwObtain(islocal,fname[,tgtdirectory])
" islocal=0  obtain from remote source
"     =1  obtain from local source
"    fname : a filename or a list of filenames
"  tgtdir : optional place where files are to go (not present, uses getcwd())
fun! netrw#NetrwObtain(islocal,fname,...)
" call Dfunc("netrw#NetrwObtain(islocal="a:islocal." fname<".((type(a:fname) == 1)? a:fname : string(a:fname)).">) a:0="a:0")
" NetrwStatusLine support - for obtaining support

if type(a:fname) == 1
  let fnamelist= [ a:fname ]
elseif type(a:fname) == 3
  let fnamelist= a:fname
else
  call netrw#ErrorMsg(s:ERROR,"attempting to use NetrwObtain on something not a filename or a list",62)
" call Dret("netrw#NetrwObtain")
  return
endif
" call Decho("fnamelist<".string(fnamelist).">")
if a:0 > 0
  let tgtdir= a:1
else
  let tgtdir= getcwd()
endif
" call Decho("tgtdir<".tgtdir.">")

if exists("b:netrw_islocal") && b:netrw_islocal
  " obtain a file from local b:netrw_curdir to (local) tgtdir
  " call Decho("obtain a file from local ",b:netrw_curdir," to ",tgtdir)
  if exists("b:netrw_curdir") && getcwd() != b:netrw_curdir
let topath= s:ComposePath(tgtdir,"")
if (has("win32") || has("win95") || has("win64") || has("win16"))
" transfer files one at a time
    call Decho("transfer files one at a time")
    call Decho("system(".g:netrw_localcopycmd." ".shellescape(fname)." ".shellescape(topath).")")
call system(g:netrw_localcopycmd." ".shellescape(fname)." ".shellescape(topath))
else
    " transfer files with one command
    call Decho("transfer files with one command")
    let filelist= join(map(deepcopy(fnamelist),"shellescape(v:val)"))
    call Decho("system(".g:netrw_localcopycmd." ".filelist." ".shellescape(topath).")")
call system(g:netrw_localcopycmd." ".filelist." ".shellescape(topath))
endif
elseif !exists("b:netrw_curdir")
call netrw#ErrorMsg(s:ERROR,"local browsing directory doesn't exist!",36)
else
call netrw#ErrorMsg(s:WARNING,"local browsing directory and current directory are identical",37)
endif
else
    " obtain files from remote b:netrw_curdir to local tgtdir
    call Decho("obtain a file from remote ".b:netrw_curdir." to ".tgtdir)
" obtain file using ftp + .netrc
" call Decho("obtain via ftp+.netrc (method #2)")
call s:SaveBufVars()|silent keepjumps new|call s:RestoreBufVars()
let tmpbufnr= bufnr("%")
setlocal ff=unix
if exists("g:netrw_ftpmode") && g:netrw_ftpmode != ""
  put =g:netrw_ftpmode
" call Decho("filter input: ".getline($))
endif

if exists("b:netrw_fname") && b:netrw_fname != ""
call setline(line("$")+1,'cd ""b:netrw_fname:""")
" call Decho("filter input: ".getline($))
endif

if exists("g:netrw_ftpextracmd")
  put =g:netrw_ftpextracmd
" call Decho("filter input: ".getline($))
endif
for fname in fnamelist
call setline(line("$")+1,'get ""fname:"")
" call Decho("filter input: ".getline($))
endfor
if exists("g:netrw_port") && g:netrw_port != ""
" call Decho("executing: %!\"g:netrw_ftp_cmd\" -i \"shellescape(g:netrw_machine,1)\"\n\"shellescape(g:netrw_port,1)\nexe s:netrw_silentxfer.\"%!\"g:netrw_ftp_cmd\" -i \"shellescape(g:netrw_machine,1)\"\n\"shellescape(g:netrw_port,1)
else
  " call Decho("executing: %!\"g:netrw_ftp_cmd\" -i \"shellescape(g:netrw_machine,1)\nexe s:netrw_silentxfer.\"%!\"g:netrw_ftp_cmd\" -i \"shellescape(g:netrw_machine,1)
endif
" If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
if getline(1) !~ '^$' && !exists("g:netrw_quiet") && getline(1) !~ '^Trying '
let debugkeep= &debug
setlocal debug=msg
call netrw#ErrorMsg(s:ERROR,getline(1),4)
let &debug= debugkeep
endif
elseif b:netrw_method == 3
  " obtain with ftp + machine, id, passwd, and fname (ie. no .netrc)
  " call Decho("obtain via ftp+mpif (method #3)")
call s:SaveBufVars()|silent keepjumps new|call s:RestoreBufVars()
let tmpbufnr= bufnr("%")
setlocal ff=unix

  if exists("g:netrw_port") && g:netrw_port != ""

" If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
if getline(1) !~ "^$"
"   call Decho("error<".getline(1).">")
if !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR.getline(1),5)
endif
endif
elseif !exists("b:netrw_method") || b:netrw_method < 0
"   call Dfunc("netrw#NetrwObtain : unsupported method")
return
endif

" restore status line
if type(a:fname) == 1 && exists("s:netrw_users_stl")
call s:SetupNetrwStatusLine(s:netrw_users_stl)
endif
endif

" cleanup
if exists("tmpbufnr")
if bufnr("%") != tmpbufnr
exe tmpbufnr."bw!"
else
q!
endif
endif
endif

call Dret("netrw#NetrwObtain")
endfun

” s:NetrwPrevWinOpen: open file/directory in previous window. {{2
" If there's only one window, then the window will first be split.
" Returns:
" choice = 0 : didn't have to choose
" choice = 1 : saved modified file in window first
" choice = 2 : didn't save modified file, opened window
" choice = 3 : cancel open
fun! s:NetrwPrevWinOpen(islocal)
call Dfunc("NetrwPrevWinOpen(islocal=.a:islocal.")")
" grab a copy of the b:netrw_curdir to pass it along to newly split windows
let curdir   = b:netrw_curdir

" get last window number and the word currently under the cursor
let lastwinnr = winnr("$")
let curword   = s:NetrwGetWord()
let choice = 0
" call Decho("lastwinnr=".lastwinnr." curword<".curword."">")

let didsplit = 0
if lastwinnr == 1
" if only one window, open a new one first
" call Decho("only one window, so open a new one (g:netrw_alto=".g:netrw_alto.")")
if g:netrw_preview
" call Decho("exe ",g:netrw_alto? "top " : "bot ","vert ",g:netrw_winsize."wincmd s")
exe (g:netrw_alto? "top " : "bot ","vert ",g:netrw_winsize."wincmd s")
else
" call Decho("exe ",g:netrw_alto? "bel " : "abo ",g:netrw_winsize."wincmd s")
exe (g:netrw_alto? "bel " : "abo ",g:netrw_winsize."wincmd s")
endif
let didsplit = 1
else
call s:SaveBufVars()
" call Decho("wincmd p")
wincmd p
call s:RestoreBufVars()
" if the previous window's buffer has been changed (is modified),
" and it doesn't appear in any other extant window, then ask the
" user if s/he wants to abandon modifications therein.
let bnr = winbufnr(0)
let bnrcnt = 0
if &mod
" detected: prev window's buffer has been modified: bnr=".bnr." winnr#".winnr()"
let eikeep= &ei
set ei=all
windo if winbufnr(0) == bnr | let bnrcnt=bnrcnt+1 | endif
exe bnr."wincmd p"
let &ei= eikeep
" call Decho("bnr=".bnr." bnrcnt=".bnrcnt." buftype=".&bt." winnr#".winnr())
if bnrcnt == 1
let bufname= bufname(winbufnr(winnr()))
let choice= confirm("Save modified file<".bufname."?>","Yes\n&No\n&Cancel")
" call Decho("bufname<".bufname."> choice=".choice," winnr#".winnr())

if choice == 1
" Yes -- write file & then browse
let v:errmsg= ""
silent w
if v:errmsg != ""
call netrw#ErrorMsg(s:ERROR,"unable to write <".bufname.">!",30)
if didsplit
q
else
winncmd p
endif
  " call Dret("NetrwPrevWinOpen ".choice." : unable to write <".bufname.">")
  return choice
endif
elseif choice == 2
  " No -- don't worry about changed file, just browse anyway
setlocal nomod
call netrw#ErrorMsg(s:WARNING,bufname." changes to ".bufname." abandoned",31)
  wincmd p
else
  " Cancel -- don't do this
  if didsplit
    q
  else
    wincmd p
  endif
  " call Dret("NetrwPrevWinOpen ".choice." : cancelled")
  return choice
endif
endif
endif
" restore b:netrw_curdir (window split/enew may have lost it)
let b:netrw_curdir= curdir
if a:islocal < 2
  if a:islocal
    call netrw#LocalBrowseCheck(s:NetrwBrowseChgDir(a:islocal,curword))
  else
    call s:NetrwBrowse(a:islocal,s:NetrwBrowseChgDir(a:islocal,curword))
  endif
endif
  " call Dret("NetrwPrevWinOpen ".choice)
  return choice
endfun

" -------------------------------------------------------------
" s:NetrwUpload: load fname to tgt (used by NetrwMarkFileCopy()) {{{2
"      Always assumed to be local -> remote
"      call s:NetrwUpload(filename, target)
"      call s:NetrwUpload(filename, target, fromdirectory)
fun! s:NetrwUpload(filename,tgt,...)
  " call Dfunc("s:NetrwUpload(filename",((type(a:fname) == 1)? a:fname : string(a:fname))," > tgt"",a:tgt."")
a:0="",a:0)
if a:tgt =~ '^\a+://'
let tgtdir= substitute(a:tgt,'^\a+://[^/]+/[^$]*$','\1','')
else
let tgtdir= substitute(a:tgt,'^[^/]+/[^$]*$','\1','')
endif
" call Decho("tgtdir<".tgtdir."">")

if a:0 > 0
let fromdir= a:1
else
let fromdir= getcwd()
endif
" call Decho("fromdir<".fromdir."">")

if type(a:fname) == 1
" handle uploading a single file using NetWrite
" call Decho("handle uploading a single file via NetWrite")
1split
" call Decho("exe e ".fnameescape(a:fname))
exe "e ".fnameescape(a:fname)
" call Decho("now locally editing<".expand("%")," \has ".line("$")," \lines")
if a:tgt =~ '/$'
let wfname= substitute(a:fname,'^.*/','','')
" call Decho("exe w! ".fnameescape(wfname))
exe "w! ".fnameescape(a:tgt.wfname)
else
" call Decho("writing local->remote: exe w ".fnameescape(a:tgt))
exe "w ".fnameescape(a:tgt)
" call Decho("done writing local->remote")
endif
q!
elseif type(a:fname) == 3
" handle uploading a list of files via scp
" call Decho("handle uploading a list of files via scp")
let curdir= getcwd()
if a:tgt =~ '\scp:'
exe "keepjumps silent lcd ".fnameescape(fromdir)
let filelist= deepcopy(s:netrwmarkfilelist_{bufnr('%')})
let args= join(map(filelist,"shellescape(v:val, 1)"))
if exists("g:netrw_port") && g:netrw_port !=""
let useport= " ".g:netrw_scpport." ".g:netrw_port
else
let useport= ""
endif
let machine = substitute(a:tgt,'\scp://[^$]*$','\1','')
let tgt = substitute(a:tgt,'\scp://[^$]*$','\1','')
" call Decho("exe ".s:netrw_silentxfer."!").g:netrw_scp_cmd.shellescape(useport,1)." ".args."
".shellscript(machine.":".tgt,1))
exe s:netrw_silentxfer."%!".g:netrw_scp_cmd.shellscript(useport,1)." .args." .shellscript(machine.":".tgt,1)
exe "keepjumps silent lcd ".fnameescape(curdir)

elseif a:tgt =~ '^ftp:'
call s:NetrwMethod(a:tgt)
if b:netrw_method == 2
  " handle uploading a list of files via ftp+.netrc
let netrw_fname = b:netrw_fname
silent keepjumps new
  " call Decho("filter input window#".winnr())
    put =g:netrw_ftpmode
    " call Decho("filter input: ".getline($))
    if exists("g:netrw_ftpextracmd")
      put =g:netrw_ftpextracmd
      " call Decho("filter input: ".getline($))
    endif
    call setline(line("$")+1,'lcd "'.fromdir."')
    " call Decho("filter input: ".getline($))
call setline(line("$")+1,'cd "'.tgtdir."')
    " call Decho("filter input: ".getline($))
for fname in a:fname
    call setline(line("$")+1,'put "'.fname."')
    " call Decho("filter input: ".getline($))
endfor
    if exists("g:netrw_port") && g:netrw_port != ""
      " call Decho("executing: ".s:netrw_silentxfer."%!".g:netrw_fi
shellscript(g:netrw_machine,1)." .shellscript(g:netrw_fi
".shellscript(g:netrw_port,1))
      exe s:netrw_silentxfer."%!".g:netrw_fi
shellscript(g:netrw_machine,1)." .shellscript(g:netrw
".shellscript(g:netrw_port,1)
    else
      " call Decho("filter input window#".winnr())
      exe s:netrw_silentxfer."%!".g:netrw_fi
shellscript(g:netrw_machine,1)
    endif
    " If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
    silent g/Local directory now/d
    if getline(1) !~ "^$" && !exists("g:netrw_quiet") && getline(1) !~ "^Trying ",
call netrw#ErrorMsg(s:ERROR,getline(1),14)
else
    bw!q
elseif b:netrw_method == 3
  " upload with ftp + machine, id, passwd, and fname (ie. no .netrc)
  let netrw_fname= b:netrw_fname
  call s:SaveBufVars()|silent keepjumps new|call s:RestoreBufVars()
  let tmpbufnr=.bufnr("%")
  setlocal ff=unix

  if exists("g:netrw_port") && g:netrw_port != ""
    put ='open '.g:netrw_machine.' '.g:netrw_port
    "      call Decho("filter input: ".getline($))
  else
    put ='open '.g:netrw_machine
    "      call Decho("filter input: ".getline($))
  endif

  if exists("g:netrw_ftp") && g:netrw_ftp == 1
    put =g:netrw_uid
    "      call Decho("filter input: ".getline($))
    call setline(line("$")+1,'"'.s:netrw_passwd.'"')
    "      call Decho("filter input: ".getline($))
  else
    put ='user "'.g:netrw_uid.'" "'.s:netrw_passwd.'"'
    "      call Decho("filter input: ".getline($))
  endif

  call setline(line("$")+1,'lcd "'.fromdir.'"')
  "     call Decho("filter input: ".getline($))

  if exists("b:netrw_fname") && b:netrw_fname != ""
    call setline(line("$")+1,'cd "'.b:netrw_fname.'"')
    "      call Decho("filter input: ".getline($))
  endif

  if exists("g:netrw_ftpextracmd")
    put =g:netrw_ftpextracmd
    "      call Decho("filter input: ".getline($))
  endif

  for fname in a:fname
    call setline(line("$")+1,'put "'.fname.'"')
    "      call Decho("filter input: ".getline($))
  endfor

  " perform ftp:
  " -i  : turns off interactive prompting from ftp
  " -n unix : DON'T use <.netrc>, even though it exists
"-n win32: quit being obnoxious about password
norm! 1Gdd

call Decho("executing: ".s:netrw_silentxfer."%!".g:netrw_ftp_cmd." -i -n")
exe s:netrw_silentxfer."%!".g:netrw_ftp_cmd." -i -n"
" If the result of the ftp operation isn't blank, show an error message (tnx to Doug Claar)
silent g/Local directory now/d
if getline(1) !~ "\$" && \
exists("g:netrw_quiet") && getline(1) !~ "Trying "
let debugkeep= &debug
setlocal debug=msg
call netrw#ErrorMsg(s:ERROR,getline(1),15)
let &debug = debugkeep
let mod    = 1
else
  bw!q
endif

elseif !exists("b:netrw_method") || b:netrw_method < 0
"  call Dfunc("netrw#NetrwUpload : unsupported method")
return
endif
else
  call netrw#ErrorMsg(s:ERROR,"can't obtain files with protocol from"."a:tgt."",63)
endif

"  call Dret("s:NetrwUpload")
endfun

" -----------------------------------------------
" s:NetrwPreview: {{2
fun! s:NetrwPreview(path) range
"  call Dfunc("NetrwPreview(path"."a:path."")")
call s:NetrwOptionSave("s:")
call s:NetrwSafeOptions()
if has("quickfix")
  if !isdirectory(a:path)
    exe (g:netrw_preview? "vert " : ").pedit .fnameescape(a:path)
  else
    exists("g:netrw_quiet")
    call netrw#ErrorMsg(s:WARNING,"sorry, cannot preview a directory such as "."a:path."",38)
  endif
else
  exists("g:netrw_quiet")
  call netrw#ErrorMsg(s:WARNING,"sorry, to preview your vim needs the quickfix feature compiled in",39)
endif
call s:NetrwOptionRestore("s:")
"  call Dret("NetrwPreview")
endfun

" -----------------------------------------------
" s:NetrwRefresh: {{2
fun! s:NetrwRefresh(islocal,dirname)
  " call Dfunc("NetrwRefresh(islocal<".a:islocal.">,dirname=".a:dirname."). hide=".g:netrw_hide." sortdir=".g:netrw_sort_direction")
  " at the current time (Mar 19, 2007) all calls to NetrwRefresh() call NetrwBrowseChgDir() first.
  " NetrwBrowseChgDir() may clear the display; hence a NetrwSavePosn() may not work if its placed here.
  " Also, NetrwBrowseChgDir() now does a NetrwSavePosn() itself.
  setlocal ma noro
  " call Decho("setlocal ma noro")
  " call Decho("clear buffer<".expand("%.")."> with :%d")
  %d
if a:islocal
  call netrw#LocalBrowseCheck(a:dirname)
else
  call s:NetrwBrowse(a:islocal,a:dirname)
endif
  call netrw#NetrwRestorePosn()

  " restore file marks
if exists("s:netrwmarkfilemtch_{bufnr('%')}") && s:netrwmarkfilemtch_{bufnr("%")} != ""
  call Decho("exe 2match netrwMarkFile /".s:netrwmarkfilemtch_{bufnr("%")}."/")
  exe "2match netrwMarkFile /".s:netrwmarkfilemtch_{bufnr("%")}."/
else
  call Decho("2match none")
  2match none
endif

  " redraw!
  " call Dret("NetrwRefresh")
endfun

" " " s:NetrwRefreshDir: refreshes a directory by name {{{2
" Called by NetrwMarkFileCopy()
" Interfaces to s:NetrwRefresh() and s:LocalBrowseShellCmdRefresh()
fun! s:NetrwRefreshDir(islocal,dirname)
  " call Dfunc("s:NetrwRefreshDir(islocal<".a:islocal." dirname=".a:dirname.").") fastbrowse=".g:netrw_fastbrowse)
if g:netrw_fastbrowse == 0
  " slowest mode (keep buffers refreshed, local or remote)
  " call Decho("slowest mode: keep buffers refreshed, local or remote")
let tgtwin= bufwinnr(a:dirname)
  " call Decho("tgtwin= bufwinnr(".a:dirname.")=".tgtwin)
if tgtwin > 0
  " tgtwin is being displayed, so refresh it
  let curwin= winnr()
  " call Decho("refresh tgtwin#".tgtwin." (curwin#".curwin.")")
  exe tgtwin."wincmd w"
  call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'/'))
exe curwin."wincmd w"

elseif bufnr(a:dirname) > 0
  let bn= bufnr(a:dirname)
  " call Decho("bd bufnr(\".a:dirname.\")={}.bn)
  exe "silent bd ".bn
endif

elseif g:netrw_fastbrowse <= 1
  " call Decho("medium-speed mode: refresh local buffers only")
call s:LocalBrowseShellCmdRefresh()
endif

" call Dret("s:NetrwRefreshDir")
endfun

"----------------------------------------------------------------------
" s:NetrwSetSort: sets up the sort based on the g:netrw_sort_sequence {{2
" What this function does is to compute a priority for the patterns
" in the g:netrw_sort_sequence. It applies a substitute to any
" "files" that satisfy each pattern, putting the priority / in
" front. An "*" pattern handles the default priority.
fun! s:NetrwSetSort()
" call Dfunc("SetSort() bannercnt={}.w:netrw_bannercnt)
if w:netrw_liststyle == s:LONGLIST
  let seqlist  = substitute(g:netrw_sort_sequence,'\$','\%\t\|\$\','ge')
else
  let seqlist  = g:netrw_sort_sequence
endif
" sanity check -- insure that * appears somewhere
if seqlist == ""
  let seqlist="*
elseif seqlist !~ '\*'
  let seqlist= seqlist.',*'
endif
let priority = 1
while seqlist != ""
  if seqlist =~ ','
    let seq  = substitute(seqlist,\,\s\,\,\e)
    let seqlist = substitute(seqlist,\^\[\-].\,\(\*\)\s\,\m\,\e)
  else
    let seq  = seqlist
    let seqlist = ""
  endif
  let sepchr= "\\\langle-0xff>"
  if priority < 10
    let spriority= "00".priority..sepchr
  elseif priority < 100
    let spriority= "0".priority..sepchr
  endif
endfun
else
    let spriority= priority.sepchr
endif

" call Decho("priority=".priority." spriority".spriority."> seq".seq."> seqlist".seqlist.">)")

" sanity check
if w:netrw_bannercnt > line("$")
    " apparently no files were left after a Hiding pattern was used
    call Dret("SetSort : no files left after hiding")
    return
endif
if seq == 'a'
    let starpriority= spriority
else
    exe 'silent keepjumps .w:netrw_bannercnt.
    " sometimes multiple sorting patterns will match the same file or directory.
    " The following substitute is intended to remove the excess matches.
    exe 'silent keepjumps .w:netrw_bannercnt.
    exe 'silent keepjumps .w:netrw_bannercnt.
    " Following line associated with priority -- items that satisfy a priority
    " pattern get prefixed by #### which permits easy sorting by priority.
    " Sometimes files can satisfy multiple priority patterns -- only the latest
    " priority pattern needs to be retained. So, at this point, these excess
    " priority prefixes need to be removed, but not directories that happen to
    " be just digits themselves.
    exe 'silent keepjumps .w:netrw_bannercnt.
    " call Dret("SetSort")
endfun

" =====================================================================
" s:NetrwSortStyle: change sorting style (name - time - size) and refresh display {{{2
fun! s:NetrwSortStyle(islocal)
    call Dfunc("s:NetrwSortStyle(islocal=.a:islocal.) netrw_sort_by<.g:netrw_sort_by.>")
call s:NetrwSaveWordPosn()
let svpos= netrw#NetrwSavePosn()
let g:netrw_sort_by= (g:netrw_sort_by =~ 'n')? 'time' : (g:netrw_sort_by =~ 't')? 'size' : 'name'
norm! 0
call s:NetrwRefresh(a:islocal,s:NetrwBrowseChgDir(a:islocal,'./'))
call netrw#NetrwRestorePosn(svpos)
call Dret("s:NetrwSortStyle : netrw_sort_by<".g:netrw_sort_by.">")
endfun

s:NetrwSplit: mode { {{2
  0 : net and o
  1 : net and t
  2 : net and v
  3 : local and o
  4 : local and t
  5 : local and v
fun! s:NetrwSplit(mode)
call Dfunc("s:NetrwSplit(mode=a:mode.) alto=".g:netrw_alto." altv=".g:netrw_altv")
call s:SaveWinVars()
if a:mode == 0
  " remote and o
  " call Decho("exe ".g:netrw_alto? "bel " : "abo ").g:netrw_winsize."wincmd s")
exe (g:netrw_alto? "bel " : "abo ").g:netrw_winsize."wincmd s"
let s:didsplit= 1
call s:RestoreWinVars()
call s:NetrwBrowse(0,s:NetrwBrowseChgDir(0,s:NetrwGetWord()))
unlet s:didsplit
elseif a:mode == 1
  " remote and t
  let newdir  = s:NetrwBrowseChgDir(0,s:NetrwGetWord())
  " call Decho("tabnew")
tabnew
let s:didsplit= 1
call s:RestoreWinVars()
call s:NetrwBrowse(0,newdir)
unlet s:didsplit
elseif a:mode == 2
  " remote and v
  " call Decho("exe ".g:netrw_altv? "rightb " : "lefta ").g:netrw_winsize."wincmd v")
exe (g:netrw_altv? "rightb " : "lefta ").g:netrw_winsize."wincmd v"
let s:didsplit= 1
call s:RestoreWinVars()
call s:NetrwBrowse(0,s:NetrwBrowseChgDir(0,s:NetrwGetWord()))
unlet s:didsplit
elseif a:mode == 3
  " local and o
  " call Decho("exe ".g:netrw_alto? "bel " : "abo ").g:netrw_winsize."wincmd s")
exe (g:netrw_alto? "bel " : "abo ").g:netrw_winsize."wincmd s"
let s:didsplit= 1
call s:RestoreWinVars()
call netrw#LocalBrowseCheck(s:NetrwBrowseChgDir(1,s:NetrwGetWord()))
unlet s:didsplit

elseif a:mode == 4
" local and t
let netrw_curdir= b:netrw_curdir
let cursorword  = s:NetrwGetWord()
" call Decho("tabnew")
tabnew
let b:netrw_curdir= netrw_curdir
let s:didsplit= 1
call s:RestoreWinVars()
call netrw#LocalBrowseCheck(s:NetrwBrowseChgDir(1,cursorword))
unlet s:didsplit

elseif a:mode == 5
" local and v
" call Decho("exe ",(g:netrw_altv? "rightb " : "lefta ").g:netrw_winsize."wincmd v")
exe (g:netrw_altv? "rightb " : "lefta ").g:netrw_winsize."wincmd v"
let s:didsplit= 1
call s:RestoreWinVars()
call netrw#LocalBrowseCheck(s:NetrwBrowseChgDir(1,s:NetrwGetWord()))
unlet s:didsplit

else
call netrw#ErrorMsg(s:ERROR,"(NetrwSplit) unsupported mode=".a:mode,45)
endif

" call Dret("s:NetrwSplit")
endfun

" ---------------------------------------------------------------------
" NetrwStatusLine: {{2
fun! NetrwStatusLine()

" vvv NetrwStatusLine() debugging vvv
" let g:stlmsg=""
" if !exists("w:netrw_explore_bufnr")
" let g:stlmsg="!X<explore_bufnr>"
" else if w:netrw_explore_bufnr != bufnr("")
" let g:stlmsg="explore_bufnr!=".bufnr("")
" endif
" if !exists("w:netrw_explore_line")
" let g:stlmsg="!X<explore_line>"
" else if w:netrw_explore_line != line("")
" let g:stlmsg=" explore_line!=".line(".")""
endif
" if !exists("w:netrw_explore_list")
" let g:stlmsg=" !X<explore_list>>
" endif

" ^^^ NetrwStatusLine() debugging ^^^

if !exists("w:netrw_explore_bufnr") || w:netrw_explore_bufnr != bufnr("%") || !exists("w:netrw_explore_line") || w:netrw_explore_line != line("") || !exists("w:netrw_explore_list")
  " restore user's status line
  let &stl = s:netrw_users_stl
  let &laststatus = s:netrw_users_ls
  if exists("w:netrw_explore_bufnr")|unlet w:netrw_explore_bufnr|endif
  if exists("w:netrw_explore_line") |unlet w:netrw_explore_line |endif
  return ""
else
  return "Match ".w:netrw_explore_machcnt." of ".w:netrw_explore_listlen
endif

difun

" ---------------------------------------------------------------------
" s:NetrwTreeDir: determine tree directory given current cursor position {{2
" (full path directory with trailing slash returned)
fun! s:NetrwTreeDir()
  call Dfunc("NetrwTreeDir() curline#".line("").".".".getline("").".".getline("")."." b:netrw_curdir<b:netrw_curdir."">
tab#".tabpagenr()." win#".winnr()." buf#".bufnr("%")."."."."."."."."."."."." 
let treedir= b:netrw_curdir

  " call Decho("set initial treedir"."treedir.""")
let s:treecurpos= netrw#NetrwSavePosn()

if w:netrw_liststyle == s:TREELIST
  " call Decho("w:netrw_liststyle is TREELIST:")
  " call Decho("line#".line("").".".getline("").".".getline("")."." treecurpos<".string(s:treecurpos).""")
  if getline("") =~ '/$'
    let treedir= substitute(getline("").".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".".""
return b:netrw_curdir
endif

" elide all non-depth information
let depth = substitute(getline('.'),'^(%|\s)*[^|\s].*$/','\1','e')
" call Decho("depth<".depth."> 1st subst")

" elide first depth
let depth = substitute(depth,'[^|\s]','','e')
" call Decho("depth<".depth."> 2nd subst")

" construct treedir by searching backwards at correct depth
" call Decho("constructing treedir<".treedir."> depth<".depth.">")
while depth != "" && search('^'.depth.'[^|\s].*$/','bW')
  let dirname= substitute(getline('.'),'^[\s][^\s]','','e')
  let treedir= dirname.treedir
  let depth  = substitute(depth,'[^|\s]','','e')
  " call Decho("constructing treedir<".treedir.">: dirname<".dirname."> while depth<".depth.">")
endwhile
if w:netrw_treetop =~ '/$'
  let treedir= w:netrw_treetop.treedir
else
  let treedir= w:netrw_treetop.'/'.treedir
endif
" call Decho("bufnr(.)=".bufnr("%")." line($)=".line("$")." line(.)=".line(,"))
endif
let treedir= substitute(treedir,'$/','/','e')
" " now force a refresh
"" call DECHO("clear buffer<".expand("%")." with :%d")
  setlocal ma noro
  keepjumps %d

" call Dret("NetrwTreeDir <".treedir."> : (side effect) s:treecurpos<".string(s:treecurpos).">")
return treedir
endfun

" ....................................................
" s:NetrwTreeDisplay: recursive tree display {{2
fun! s:NetrwTreeDisplay(dir,depth)
  call Dfunc("NetrwTreeDisplay(dir<".dir."> depth<".a:depth.">)")

" insure that there are no folds
setlocal nofen

" install ./ and shortdir
if a:depth == ""
call setline(line("$")+1.`..'/)


" call Decho("setline#".line("$".)." (/ depth is zero")
endif

if a:dir =~ '/^\a\+://'
if a:dir == w:netrw_treetop
  let shortdir= a:dir
else
  let shortdir= substitute(a:dir,'^[^/]+$/','\1/','e')
endif
call setline(line("$")+1,a:depth.shortdir)
else
  let shortdir= substitute(a:dir,'^[^/]+$','','e')
call setline(line("$")+1,a:depth.shortdir.'/')
endif
" call Decho("setline#".line("$".) shortdir<".a:depth.shortdir."">)

" append a / to dir if its missing one
let dir= a:dir
if dir !~ '/$'
  let dir= dir.'/'
endif

" display subtrees (if any)
let depth= "\" ".a:depth

" call Decho("display subtrees with depth".".depth."> and current leaves")
for entry in w:netrw_treedict[a:dir]
  let direntry= substitute(dir.entry,'$/','","e')
  " call Decho("dir<".dir."> entry<".entry."> direntry<".direntry.">")
  if entry =~ '/$' && has_key(w:netrw_treedict,direntry)
    " call Decho("<".direntry."> is a key in treedict - display subtree for it")
call s:NetrwTreeDisplay(direntry,depth)
  elseif entry =~ '/$' && has_key(w:netrw_treedict,direntry.'/')
    " call Decho("<".direntry."/> is a key in treedict - display subtree for it")
call s:NetrwTreeDisplay(direntry.'/',depth)
  else
    " call Decho("<".entry."> is not a key in treedict (no subtree")
call setline(line("$")+1,depth.entry)
  endif
endfor
" call Dret("NetrwTreeDisplay")
endfun

"----------------------------------------------
" s:NetrwTreeListing: displays tree listing from treetop on down, using NetrwTreeDisplay() {{2
fun! s:NetrwTreeListing(dirname)
  if w:netrw_liststyle == s:TREELIST
    " call Dfunc("NetrwTreeListing() bufname<".expand("%").">")
    " call Decho("curdir".".a:dirname.")
endfun
" call Decho("win#".winnr().": w:netrw_treetop ",(exists("w:netrw_treetop")? "exists": "doesn't exit")." w:netrw_treedict ",(exists("w:netrw_treedict")? "exists": "doesn't exit")."

" update the treetop
" call Decho("update the treetop")
if !exists("w:netrw_treetop")
let w:netrw_treetop= a:dirname
" call Decho("w:netrw_treetop<a:w:netrw_treetop.> (reusing)"
elseif (w:netrw_treetop =~ ('^'.a:dirname) & & s:Strlen(a:dirname) < s:Strlen(w:netrw_treetop)) || a:dirname !~
('^'.w:netrw_treetop)
let w:netrw_treetop= a:dirname
" call Decho("w:netrw_treetop<a:w:netrw_treetop.> (went up)"
endif

" insure that we have at least an empty treedict
if !exists("w:netrw_treedict")
let w:netrw_treedict= {}
endif

" update the directory listing for the current directory
" call Decho("updating dictionary with ".a:dirname.":[.directory listing..]")
" call Decho("bannercnt".w:netrw_bannercnt. "line($)=".line("$"))
exe "silent! keepjumps ".w:netrw_bannercnt. ".g@^\."=@$&d'
let w:netrw_treedict[a:dirname]= getline(w:netrw_bannercent,line("$"))
" call Decho("w:treedict[.a:dirname.]= ".w:netrw_treedict[a:dirname])
exe "silent! keepjumps ".w:netrw_bannercent."&d"

" if past banner, record word
if exists("w:netrw_bannercent") & & line(.,.) > w:netrw_bannercent
let fname= expand("<cword>")
else
let fname= ""
endif
" call Decho("fname<.fname.>")

" display from treetop on down
call s:NetrwTreeDisplay(w:netrw_treetop,"")

" call Dret("NetrwTreeListing : bufname<.expand("%").>")
endif
endfun

" --------------------------------------------------------------
" s:NetrwWideListing: {{2
fun! s:NetrwWideListing()

if w:netrw_liststyle == s:WIDELIST
" call Dfunc("NetrwWideListing() w:netrw_liststyle=".w:netrw_liststyle." fo='&fo.' l:fo='&l:fo)
" look for longest filename (cpf=characters per filename)
" cpf: characters per file
" fpl: files per line
" fpc: files per column
setlocal ma noro
" call Decho("setlocal ma noro")
let b:netrw_cpf= 0
if line("$") >= w:netrw_bannercnt
    exe 'silent keepjumps '.w:netrw_bannercnt.$g/^./if virtcol("$") > b:netrw_cpf|let b:netrw_cpf= virtcol("$")|endif'
else
" call Dret("NetrwWideListing")
return
endif
" call Decho("max file strlen+1=",b:netrw_cpf)
let b:netrw_cpf= b:netrw_cpf + 1

" determine qty files per line (fpl)
let w:netrw_fpl= winwidth(0)/b:netrw_cpf
if w:netrw_fpl <= 0
    let w:netrw_fpl= 1
endif
" call Decho("fpl= ".winwidth(0)."/[b:netrw_cpf=",b:netrw_cpf.]=':.w:netrw_fpl)

" make wide display
exe 'silent keepjumps '.w:netrw_bannercnt.$s/^.*$/
    =\=escape(printf("%-'.b:netrw_cpf.'s",submatch(0)),"\\")/'
let fpc = (line("$") - w:netrw_bannercnt + w:netrw_fpl)/w:netrw_fpl
let newcolstart = w:netrw_bannercnt + fpc
let newcolend = newcolstart + fpc - 1
silent! let keepregstar = @*
while line("$") >= newcolstart
    if newcolend > line("$") | let newcolend= line("$") | endif
    let newcolqty= newcolend - newcolstart
    exe newcolstart
    if newcolqty == 0
        exe "silent keepjumps norm! 0<c-v>$hx".w:netrw_bannercnt."G$pterlineend
    else
        exe "silent keepjumps norm! 0<c-v>".newcolqty."$hx".w:netrw_bannercnt."G$pterlineend
    endif
    exe "silent keepjumps ",newcolstart.".,newcolend."d'
    exe 'silent keepjumps ':w:netrw_bannercnt
endwhile
silent! let @*= keepregstar
exe "silent keepjumps ",w:netrw_bannercnt."$s/\+$//e'
setlocal noma nomod ro
" call Dret("NetrwWideListing")
endif
endfun

" ---------------------------------------------------------------------
" s:PerformListing: {{1 2
fun! s:PerformListing(islocal)
" call Dfunc("s:PerformListing(islocal="".a:islocal."")) buf(%)="".bufnr("".""."\""">")

call s:NetrwSafeOptions()
setlocal noro ma
" call Decho("setlocal noro ma")

" if exists("g:netrw_silent") && g:netrw_silent == 0 && &ch >= 1" Decho
" call Decho("(netrw) Processing your browsing request...")
" endif" Decho

" call Decho("w:netrw_liststyle=(exists("w:netrw_liststyle")? w:netrw_liststyle : 'n/a'))
if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST && exists("w:netrw_treedict")
" force a refresh for tree listings
" call Decho("force refresh for treelisting: clear buffer<".expand("".""."\"""> with :%d")
keepjumps %d
endif

" save current directory on directory history list
call s:NetrwBookHistHandler(3,b:netrw_curdir)

" Set up the banner {{3
" call Decho("set up banner")
keepjumps put ="
============================================================================'
keepjumps put ="
.Netrw Directory Listing
   $.b:netrw_curdir
keepjumps 1d
let w:netrw_bannercnt= 3
exe "keepjumps ".w:netrw_bannercnt

let sortby= g:netrw_sort_by
if g:netrw_sort_direction =~ "^r"
   let sortby= sortby." reversed"
endif

" Sorted by... {{3
" call Decho("handle specified sorting: g:netrw_sort_by<".g:netrw_sort_by."">")
if g:netrw_sort_by =~ "^n"
" call Decho("directories will be sorted by name")
" sorted by name
keepjumps put ="
Sorted by
keepjumps put ="
Sort sequence: ".g:netrw_sort_sequence
let w:netrw_bannerCnt= w:netrw_bannerCnt + 2
else
    " call Decho("directories will be sorted by size or time")
    " sorted by size or date
    keepjumps put ="Sorted by \s\sortby\"
    let w:netrw_bannerCnt= w:netrw_bannerCnt + 1
endif
exe "keepjumps ".w:netrw_bannerCnt

" show copy/move target, if any
if exists("s:netrwMftgt") && exists("s:netrwMftgt_islocal")
    " call Decho("show copy/move target<\"s:netrwMftgt.\">")
    keepjumps put ="
    if s:netrwMftgt_islocal
        call setline(line(".")," Copy/Move Tgt: \s\s:netrwMftgt.\' (local')")
    else
        call setline(line(".")," Copy/Move Tgt: \s\s:netrwMftgt.\' (remote')")
    endif
else
    " call Decho("s:netrwMftgt does not exist, don't make Copy/Move Tgt")
endif
exe "keepjumps ".w:netrw_bannerCnt

" Hiding... -or- Showing... {{3
    " call Decho("handle hiding/showing (g:netrw_hide=\".g:netrw_list_hide.\")
    g:netrw_list_hide<\".g:netrw_list_hide.\")")
if g:netrw_list_hide != "" && g:netrw_hide
    if g:netrw_hide == 1
        keepjumps put ="Hiding: \s\g:netrw_list_hide\"
    else
        keepjumps put ="Showing: \s\g:netrw_list_hide\"
    endif
else
    " call Decho("bannercnt should index the line just after the banner
    let w:netrw_bannerCnt= w:netrw_bannerCnt + 1
endif
exe "keepjumps ".w:netrw_bannerCnt
keepjumps put ="Quick Help: <F1>:help  -:go up dir  D:delete  R:rename  s:sort-by  x:exec'
keepjumps put ="
============================================================================
let w:netrw_bannerCnt= w:netrw_bannerCnt + 2

" bannerCnt should index the line just after the banner
let w:netrw_bannerCnt= w:netrw_bannerCnt + 1
exe "keepjumps ".w:netrw_bannerCnt
    " call Decho("bannercnt=.w:netrw_bannerCnt. (should index line just after banner) line($)=\".line("$\")

" set up syntax highlighting {{3
    " call Decho("set up syntax highlighting")
if has("syntax")
setlocal ft=netrw
if !exists("g:syntax_on") || !g:syntax_on
setlocal ft=
endif
endif

" get list of files
" call Decho("Get list of files - islocal=a:islocal")
if a:islocal
call s:LocalListing()
else " remote
call s:NetrwRemoteListing()
endif
" call Decho("w:netrw_bannercnt=w:netrw_bannercnt." (banner complete)"

" manipulate the directory listing (hide, sort) {} { { 3
if line("$") >= w:netrw_bannercnt
" call Decho("manipulate directory listing (hide)"
" call Decho("g:netrw_hide=g:netrw_hide." g:netrw_list_hideXg:netrw_list_hide."")
if g:netrw_hide && g:netrw_list_hide != ""
call s:NetrwListHide()
endif
if line("$") >= w:netrw_bannercnt
" call Decho("manipulate directory listing (sort) : g:netrw_sort_byXg:netrw_sort_by."")

if g:netrw_sort_by =~ "^n"
" sort by name
call s:NetrwSetSort()

if w:netrw_bannercnt < line("$")
" call Decho("g:netrw_sort_direction=g:netrw_sort_direction." (bannercnt=w:netrw_bannercnt.")")
if g:netrw_sort_direction =~ 'n'
" normal direction sorting
exe 'silent keepjumps .w:netrw_bannercnt.'.$sort'.'.g:netrw_sort_options
else
" reverse direction sorting
exe 'silent keepjumps .w:netrw_bannercnt.'.$sort'!'.'g:netrw_sort_options
endif
endif
" remove priority pattern prefix
" call Decho("remove priority pattern prefix")
let sepchr= "\<Char-0xff>"
exe 'silent keepjumps .w:netrw_bannercnt.'.$s/\d\{3\}'.sepchr://
elseif a:islocal
if w:netrw_bannercnt < line("$")
" call Decho("g:netrw_sort_direction=g:netrw_sort_direction")
if g:netrw_sort_direction =~ 'n'
  "   call Decho('exe silent keepjumps '.w:netrw_bannercnt.',$sort')
  exe 'silent keepjumps '.w:netrw_bannercnt.',$sort':'.g:netrw_sort_options
else
  "   call Decho('exe silent keepjumps '.w:netrw_bannercnt.',$sort!')
  exe 'silent keepjumps '.w:netrw_bannercnt.',$sort!':'.g:netrw_sort_options
endif
endif
exe 'silent keepjumps '.w:netrw_bannercnt.',$s/\d\{-}\//e'
endif

elseif g:netrw_sort_direction =~ 'r'
  "   call Decho('reverse the sorted listing')
  exe 'silent keepjumps '.w:netrw_bannercnt.'g/^/m '.w:netrw_bannercnt
endif
endif

" convert to wide/tree listing {{3
"   call Decho("modify display if wide/tree listing style")
call s:NetrwWideListing()
call s:NetrwTreeListing(b:netrw_curdir)
if exists("w:netrw_bannercnt") && line("$") > w:netrw_bannercnt
  "   place cursor on the top-left corner of the file listing
  "   call Decho("place cursor on top-left corner of file listing")
  exe 'silent keepjumps '.w:netrw_bannercnt
  norm! 0
endif

" record previous current directory
let w:netrw_prvdir= b:netrw_curdir
  "   call Decho("record netrw_prvdir<".w:netrw_prvdir;">")

" save certain window-oriented variables into buffer-oriented variables {{3
call s:SetBufWinVars()
call s:NetrwOptionRestore("w:")

" set display to netrw display settings
"   call Decho("set display to netrw display settings (noma nomod etc)
setlocal noma nomod nonu nobl nowrap ro
if exists("s:treecurpos")
call netrw#NetrwRestorePosn(s:treecurpos)
unlet s:treecurpos
endif

"   call Dret("s:PerformListing : curpos<".string(getpos(".")).">")
endfun
" SetupNetrwStatusLine: {[[2
fun! SetupNetrwStatusLine(statline)
" call Dfunc("SetupNetrwStatusLine(statline<".a:statline.">)")

if !exists("s:netrw_setup_statline")
let s:netrw_setup_statline= 1
" call Decho("do first-time status line setup")

if !exists("s:netrw_users_stl")
let s:netrw_users_stl= &stl
endif
if !exists("s:netrw_users_ls")
let s:netrw_users_ls= &laststatus
endif

" set up User9 highlighting as needed
let keepa= @a
redir @a
try
  hi User9
catch /^Vim\%((\a\+))\=:E411/
  if &bg == "dark"
    hi User9 ctermfg=yellow ctermbg=blue guifg=yellow guibg=blue
  else
    hi User9 ctermfg=yellow ctermbg=blue guifg=yellow guibg=blue
  endif
endtry
redir END
let @a= keepa
endif

" set up status line (may use User9 highlighting)
" insure that windows have a statusline
" make sure statusline is displayed
let &stl=a:statline
setlocal laststatus=2
" call Decho("stl=".&stl)
redraw

" call Dret("SetupNetrwStatusLine : stl=".&stl)
endfun

" Remote Directory Browsing Support: {[[1
s:NetrwRemoteListing: {}
fun! s:NetrwRemoteListing()
  call Dfunc("s:NetrwRemoteListing() b:netrw_curdir<".b:netrw_curdir.">"))

call s:RemotePathAnalysis(b:netrw_curdir)

" sanity check:
if exists("b:netrw_method") && b:netrw_method =~ '[235]'
  call Decho("b:netrw_method="b:netrw_method)  
if !executable("ftp")
  if !exists("g:netrw_quiet")
    call netrw#ErrorMsg(s:ERROR,"this system doesn't support remote directory listing via ftp",18)
    endif
  call s:NetrwOptionRestore("w:"
  "  call Dret("s:NetrwRemoteListing")
  return
  endif  " (remote handling sanity check)
  if b:netrw_method
    call Decho("setting w:netrw_method<"b:netrw_method."
  else
    let w:netrw_method= b:netrw_method
    endif

  if s:method == "ftp"
    " use ftp to get remote file listing
    "  call Decho("use ftp to get remote file listing")
    let s:method = "ftp"
    let listcmd = g:netrw_ftp_list_cmd
    if g:netrw_sort_by =~ 't'
      let listcmd= g:netrw_ftp_timelist_cmd
    elseif g:netrw_sort_by =~ 's'
      let listcmd= g:netrw_ftp_sizelist_cmd
    endif
  endif
call Decho("listcmd<".listcmd."> (using g:netrw_list_cmd")
call s:NetrwRemoteFtpCmd(s:path,listcmd)
" exe "keepjumps \".w:netrw_bannercnt\",$g/^/call Decho("raw listing: ".getline\"\")\"

if w:netrw_liststyle == s:THINLIST || w:netrw_liststyle == s:WIDELIST || w:netrw_liststyle == s:TREELIST
" shorten the listing
" call Decho("generate short listing")
exe "keepjumps \".w:netrw_bannercnt

" cleanup
if g:netrw_ftp_browse_reject != ""
exe "silent! g\".g:netrw_ftp_browse_reject\"/keepjumps d"
endif
silent! keepjumps %s//e

" if there's no ./ listed, then put ./ and ../ in
let line1= line\".\"
exe "keepjumps \".w:netrw_bannercnt
let line2= search\"^
let .\/%\(s\|s\)\"\",\"cnW\"
if line2 == 0
" call Decho("netrw is putting ./ and ../ into listing")
keepjumps put=../
keepjumps put=./
endif
exe "keepjumps \".line1
keepjumps norm! 0

" call Decho("line1=".line1\" line2=".line2\" line\"=".line\".\")
if search\"^\d\{2\}-\d\{2\}-\d\{2\}\s\+\d\+:[AaPp][Mm]\s\+\%(<DIR>|\d\+)\s\+//\"
" M$ ftp site cleanup
" call Decho("M$ ftp cleanup")
exe 'silent! keepjumps \'\w:netrw_bannercent\'\",\s/%\(s\|s\)\"\",\"\n" else " normal ftp cleanup
" call Decho("normal ftp cleanup")
exe 'silent! keepjumps \'\w:netrw_bannercent\'\",\s/%\(s\|s\)\"\",\"\n" exe "silent! keepjumps \'\w:netrw_bannercent\'\",\s/\+\%\(<DIR>|\d\+)\s\+//\nexe "silent! keepjumps \'\w:netrw_bannercent\'\",\s/\+\%\(<DIR>|\d\+)\s\+//
endif
endif
else
" use ssh to get remote file listing \{"{3
" call Decho("use ssh to get remote file listing: s:path<".s:path.">\")
let listcmd= s:MakeSshCmd(g:netrw_list_cmd)
" call Decho("listcmd<".listcmd."> (using g:netrw_list_cmd")
if g:netrw_scp_cmd =~ ^\"pscp\"
" call Decho\"1: exe silent r\".shellescape(listcmd.s:path, 1))
exe "silent r\".listcmd.shellescape(s:path, 1)
" remove rubbish and adjust listing format of 'pscp' to 'ssh ls -FLa' like
  
g/^Listing directory/d
  
g/d[-rwx][-rwx][-rwx]/s+/^Listing directory\n/d+e
  
silent g/^[rwx][-rwx][-rwx]/s+/^Listing directory\n/d+/^d[-rwx][-rwx][-rwx]/s+/^d[-rwx][-rwx][-rwx]/+/e
  
if g:netrw_liststyle != s:LONGLIST
  
g/^[dlsp-][-rwx][-rwx][-rwx]/s/^.*\s\(\S+\)\s\$/\1/e
  
endif
  
else
  
if s:path == ""
  
    call Decho("2: exe silent \".listcmd\"
    exe "silent \".listcmd\"
  
else
  
    call Decho("3: exe silent \".listcmd\" \".shellescape(s:path,1)\")
    exe "silent \".listcmd\" \".shellescape(s:path,1)
  
    call Decho("listcmd<".listcmd." path<".s:path.">")
  
endif
  
endif

" cleanup
  
if g:netrw_ftp_browse_reject != ""
  
    call Decho("(cleanup) exe silent! g/\".g:netrw_ssh_browse_reject./keepjumps d\"
    exe "silent! g/\".g:netrw_ssh_browse_reject./keepjumps d
  
endif
  
endif

if w:netrw_liststyle == s:LONGLIST
  
" do a long listing; these substitutions need to be done prior to sorting [{[3
  
" call Decho("fix long listing;")

if s:method == "ftp"
  
" cleanup
  
exe "keepjumps \".w:netrw_bannercnt
  
while getline(.) =~ g:netrw_ftp_browse_reject
  
    keepjumps d
  
endwhile
  
if there's no ./ listed, then put ./ and ../ in
  
let line1= line("")
  
keepjumps 1
  
silent keepjumps call search("\\\\\%\%\(\S\|\$\)\W")
  
let line2= line("")
  
if line2 == 0
  
    exe 'keepjumps \".w:netrw_bannercnt."put='./"'
  
if b:netrw_curdir != '/'
  
    exe 'keepjumps \".w:netrw_bannercnt."put='../"'
  
endif
  
endif

exe "keepjumps \".line1

keepjumps norm! 0
if search("^\d\{2\}-\d\{2\}-\d\{2\}\s\',\'a\') " M$ ftp site cleanup
  call Decho("M$ ftp site listing cleanup")
  exe 'silent! keepjumps '.w:netrw_bannercnt.','$s/\d\{2\}-\d\{2\}-\d\{2\}\s\+\d\+\+[AaPp][Mm]\s\+\%(<DIR>|\d\+|\s\+|\+\%\s\+\s\+\%)\s\+\(\w.*\)/\2\t\1/'
  elseif exists("w:netrw_bannercnt") && w:netrw_bannercnt <= line("\$")
    call Decho("normal ftp site listing cleanup: bannercnt=".w:netrw_bannercnt." line($)=".line("\$"))
    exe 'silent keepjumps '.w:netrw_bannercnt.','$s/ \+\+\%\s\+\(\w.*\)/\2\t\1/e'
    exe 'silent keepjumps '.w:netrw_bannercnt.','$s/ \+\+\%\s\+\(\w.*\)/\2\t\1/e'
    exe 'silent keepjumps '.w:netrw_bannercnt.
endif
endif

" if exists("w:netrw_bannercnt") && w:netrw_bannercnt <= line("\$") " Decho
" exe "keepjumps ".w:netrw_bannercnt.\$g/^./call Decho("listing: ".getline(\".\"))'
       " Decho
" call Dret("s:NetrwRemoteListing")
endfun

" ---------------------------------------------------------------------
" s:NetrwRemoteRm: remove/delete a remote file or directory {{2
" fun! s:NetrwRemoteRm(usrhost,path) range
" call Dfunc("s:NetrwRemoteRm(usrhost<".a:usrhost."> path<".a:path.">) virtcol=".virtcol(\".\")")
" call Decho("firstline=".a:firstline." lastline=".a:lastline")
let svpos= netrw#NetrwSavePosn()

let all= 0
if exists("s:netrwmarkfilelist_{bufnr('%')}")
  " remove all marked files
  call Decho("remove all marked files with bufnr#".bufnr("\%"))
for fname in s:netrwmarkfilelist_{bufnr("\%")}
  let ok= s:NetrwRemoteRmFile(a:path,fname,all)
  if ok =~ 'q\%[uit]
    break
  elseif ok =~ 'a%[il]
    let all= 1
  endif
endfor
  call s:NetrwUnmarkList(bufnr("\%"),b:netrw_curdir)
else
  " remove files specified by range
  call Decho("remove files specified by range")

  " preparation for removing multiple files/directories
let ctr= a:firstline

" remove multiple files and directories
while ctr <= a:lastline
  exe ctr
  let ok= s:NetrwRemoteRmFile(a:path,s:NetrwGetWord(),all)
  if ok =~ 'q[\%][uit]' break
  elseif ok =~ 'a[\%][Il]' let all= 1 endif
  let ctr= ctr + 1 endwhile
endif

" refresh the (remote) directory listing
" call Decho("refresh remote directory listing")
call s:NetrwRefresh(0,s:NetrwBrowseChgDir(0,'/'))
call netrw#NetrwRestorePosn(svpos)

call Dret("s:NetrwRemoteRm")
endfun

"  ---------------------------------------------------------------------
" s:NetrwRemoteRmFile: {{2
fun! s:NetrwRemoteRmFile(path,rmfile,all)
"  call Dfunc("s:NetrwRemoteRmFile(path<".a:path." rmfile<".a:rmfile.">) all=".a:all")

  let all= a:all
  let ok = ""

if a:rmfile !~ '^"' && (a:rmfile =~ '@$' || a:rmfile !~ '\[/]$') " attempt to remove file
  call Decho("attempt to remove file (all=".a:all."))"
  if !all echohl Statement " call Decho("case all=0:"
  call inputsave()
  let ok= input("Confirm deletion of file"".a:rmfile." ","[y(es),n(o),a(ll),q(uit)] ")
call inputrestore()
  echohl NONE
  if ok == "" let ok="no" endif
  let ok= substitute(ok,\[y(es),n(o),a(ll),q(uit)]\s*\,"'e'\)
  if ok =~ 'a[\%][Il]' let all= 1 endif
endif
if all || ok =~ '^\[%es\]' || ok == ""
" call Decho("case all="all." or ok<".ok;">".(exists("w:netrw_method") ? : netrw_method='w:netrw_method : ":")
if exists("w:netrw_method") && (w:netrw_method == 2 || w:netrw_method == 3)
" call Decho("case ftp:")
let path= a:path
if path =~ '^\a\+://'
let path= substitute(path,'^[^\(\a\+://\[^/\]}+/"#."")
endif
silent! keepjumps .Sd
call s:NetrwRemoteFtpCmd(path,"delete ":".":a:rmfile.""
else
" call Decho("case ssh: g:netrw_rm_cmd<"g:netrw_rm_cmd."">
let netrw_rm_cmd= s:MakeSshCmd(g:netrw_rm_cmd)
" call Decho("netrw_rm_cmd<"."netrw_rm_cmd."">
if !exists("b:netrw_curdir")
call netrw#ErrorMsg(s:ERROR,"for some reason b:netrw_curdir doesn't exist!",53)
let ok="q"
else
let remotedir= substitute(b:netrw_curdir,'^[^\(\a\+://\[^/\]}+/"#."")
" call Decho("netrw_rm_cmd<"."netrw_rm_cmd."">
" call Decho("remotedir<".remotedir."">
" call Decho("rmfile<"."a:rmfile."">
if remotedir != ""
let netrw_rm_cmd= netrw_rm_cmd."."shellescape(fnameescape(remotedir.a:rmfile))
else
let netrw_rm_cmd= netrw_rm_cmd."."shellescape(fnameescape(a:rmfile))
endif
" call Decho("call system("."netrw_rm_cmd."">
let ret= system(netrw_rm_cmd)
if ret != 0
call netrw#ErrorMsg(s:WARNING,"cmd<"."netrw_rm_cmd." failed",60)
endif
" call Decho("returned="."ret," errcode="."v:shell_error"
endif
endif
else ok =~ 'q\%[uits]'" call Decho("ok=="."ok")
break
endif
else
" attempt to remove directory
" call Decho("attempt to remove directory")
if !all
call inputsave()
let ok= input("Confirm deletion of directory<"."a:rmfile." ","[{y(es)},n(o),a(ll),q(uit)] "")
call inputrestore()
if ok == "" 
let ok="no"
endif
let ok= substitute(ok,'\[{y(es)},n(o),a(ll),q(uit)\s*','','e')
if ok =~ 'a\[all\]' 
let all= 1
endif
endif
if all || ok =~ 'y\[yes\]" || ok == "" 
if exists("w:netrw_method") && (w:netrw_method == 2 || w:netrw_method == 3) 
call s:NetrwRemoteFtpCmd(a:path,"rmdir ".a:rmfile)
else
let rmfile = substitute(a:path.a:rmfile,'/$','','")
let netrw_rmdir_cmd = s:MakeSshCmd(s:WinPath(g:netrw_rmdir_cmd)).' '.shellescape(s:WinPath(rmfile))
" call Decho("attempt to remove dir: system(".netrw_rmdir_cmd.")")
let ret= system(netrw_rmdir_cmd)
" call Decho("returned=".ret." errcode=".v:shell_error)
if v:shell_error != 0 
" call Decho("v:shell_error not 0")
let netrw_rmf_cmd= s:MakeSshCmd(s:WinPath(g:netrw_rmf_cmd)).' '.shellescape(s:WinPath(substitute(rmfile,'[\/]','$','','e')))" call Decho("2nd attempt to remove dir: system(".netrw_rmf_cmd.")")
let ret= system(netrw_rmf_cmd)
" call Decho("returned=".ret." errcode=".v:shell_error)
if v:shell_error != 0 && !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"unable to remove directory<".rmfile."> -- is it empty?",22)
endif
endif
endif
elseif ok =~ 'q\[quit\]' 
break
endif
endif
endif
" call Dret("s:NetrwRemoteRmFile ",ok)
return ok
defun
" ---------------------------------------------------------------------
" s:NetrwRemoteFtpCmd: unfortunately, not all ftp servers honor options for ls 
" This function assumes that a long listing will be received. Size, time,
" and reverse sorts will be requested of the server but not otherwise
" enforced here.
fun! s:NetrwRemoteFtpCmd(path,listcmd)
call Dfunc("NetrwRemoteFtpCmd(path"."a:path.""> listcmd"."a:listcmd.""> netrw_method="".w:netrw_method")
call Decho("line($)="."line($)"." bannercnt="".w:netrw_bannercnt")

" because WinXX ftp uses unix style input
let ffkeep= &ff
setlocal ma ff=unix noro
" call Decho("setlocal ma ff=unix noro")

" clear off any older non-banner lines
" note that w:netrw_bannercnt indexes the line after the banner
" call Decho("exe silent! keepjumps ".w:netrw_bannercnt.".$d (clear off old non-banner lines")
exe "silent! keepjumps ".w:netrw_bannercnt.".$d"

......
if w:netrw_method == 2 || w:netrw_method == 5
" ftp + <.netrc>: Method #2
if a:path != ""
    put ='cd "'.a:path.'"'
endif
if exists("g:netrw_ftpextracmd")
    put =g:netrw_ftpextracmd
endif
    call setline(line("$")+1.a:listcmd)
    exe "keepjumps ".w:netrw_bannercnt.".$g/^./call Decho("ftp#".line(".").".getline(.")")
if exists("g:netrw_port") && g:netrw_port != ""
    call Decho("exe ".s:netrw_silentxfer.w:netrw_bannercnt.".$!".g:netrw_ftp_cmd." -i
".shellescape(g:netrw_machine,1)." "".shellescape(g:netrw_port,1))
    exe s:netrw_silentxfer." keepjumps ".w:netrw_bannercnt.".$!".g:netrw_ftp_cmd." -i
".shellescape(g:netrw_machine,1)." "".shellescape(g:netrw_port,1)
else
    call Decho("exe ".s:netrw_silentxfer.w:netrw_bannercent.".$!".g:netrw_ftp_cmd." -i
".shellescape(g:netrw_machine,1))
    exe s:netrw_silentxfer." keepjumps ".w:netrw_bannercent.".$!".g:netrw_ftp_cmd." -i
".shellescape(g:netrw_machine,1)
endif

......
elseif w:netrw_method == 3
" ftp + machine,id,passwd,filename: Method #3
setlocal ff=passwd
if exists("g:netrw_port") && g:netrw_port != ""
    put =open ".g:netrw_machine.".g:netrw_port
else
    put =open ".g:netrw_machine
endif
if exists("g:netrw_ftp") && g:netrw_ftp == 1
put = g:netrw_uid
put = "\".s:netrw_passwd.\""
else
put = user "\".g:netrw_uid.\" \".s:netrw_passwd.\"
endif

if a:path != ""
put = "\".a:path.\"
endif
if exists("g:netrw_fptextracmd")
put = g:netrw_fptextracmd
" call Decho("filter input: ",getline(."))
endif
call setline(line("$") + 1,a:listcmd)

" perform ftp:
" -i : turns off interactive prompting from ftp
" -n  unix : DON'T use .netrc, even though it exists
" -n  win32: quit being obnoxious about password
" exe w:netrw_bannercnt."."g/^./call Decho("ftp#".line(.").": ",getline(.")))'
" call Decho("exe ",s:netrw_silentxfer.w:netrw_bannercnt.". concede": g:netrw_fpt_cmd." -i -n")
xexe s:netrw_silentxfer.w:netrw_bannercnt.". concede": g:netrw_fpt_cmd." -i -n"

".........................................
else
call netrw#ErrorMsg(s:WARNING,"unable to comply with your request<" . choice . ">",23)
endif

" cleanup for Windows
if has("win32") || has("win95") || has("win64") || has("win16")
silent! keepjumps %s/ar$/$/e
endif
if a:listcmd == "dir"
" infer directory/link based on the file permission string
silent! keepjumps g/d%([-r][-[w]][-[x]])\{3}\/@$/@/silent! keepjumps g/l%([-r][-[w]][-[x]])\{3}\/$/@/
if w:netrw_liststyle == s:THINLIST || w:netrw_liststyle == s:WIDELIST || w:netrw_liststyle == s:TREELIST
exe "silent! keepjumps ".w:netrw_bannercnt."$s/%\$\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\"
put ='.f'
endif

" restore settings
let &ff= ffkeep
" call Dret("NetrwRemoteFtpCmd")
endfun

" ---------------------------------------------------------------------
" s:NetrwRemoteRename: rename a remote file or directory {{2
fun! s:NetrwRemoteRename(usrhost,path) range
" call Dfunc("NetrwRemoteRename(usrhost<".a:usrhost."> path<".a:path.">)")

" preparation for removing multiple files/directories
let svpos = netrw#NetrwSavePosn()
let ctr = a:firstline
let rename_cmd = s:MakeSshCmd(g:netrw_rename_cmd)

" rename files given by the markfilelist
if exists("s:netrwmarkfilelist_{bufnr('%')}")
  for oldname in s:netrwmarkfilelist_{bufnr("%")}
    " call Decho("oldname<".oldname.">")
    if exists("subfrom")
      let newname= substitute(oldname,subfrom,subto,"
      " call Decho("subfrom<".subfrom."> subto<".subto."> newname<".newname.">")
    else
      call inputsave()
      let newname= input("Moving ",oldname," to ",oldname)
      call inputrestore()
      if newname =~ '^s/
        let subfrom = substitute(newname,'^[^[^
        let subto = substitute(newname,'^[^[^
        let newname = substitute(oldname,subfrom,subto,"
        " call Decho("subfrom<".subfrom."> subto<".subto."> newname<".newname.">")
      endif
    endif
  endif
endif

if exists("w:netrw_method") && (w:netrw_method == 2 || w:netrw_method == 3)
call s:NetrwRemoteFtpCmd(a:path,"rename ",oldname," ",newname)
else
  let oldname= shellescape(a:path.oldname)
  let newname= shellescape(a:path.newname)
  " call Decho("system(s:WinPath(".rename_cmd." ",oldname," ",newname."))")
  let ret = system(s:WinPath(rename_cmd),',oldname,','newname)
endif
endfor
call s:NetrwUnMarkFile(1)
else

" attempt to rename files/directories
while ctr <= a:lastline
exe "keepjumps ".ctr

let oldname= s:NetrwGetWord()
" call Decho("oldname<".oldname."">

call inputsave()
let newname= input("Moving ".oldname." to : ",.oldname)
call inputrestore()

if exists("w:netrw_method") && (w:netrw_method == 2 || w:netrw_method == 3)
call s:NetrwRemoteFtpCmd(a:path,"rename ".oldname." ".newname)
else
let oldname= shellescape(a:path.oldname)
let newname= shellescape(a:path.newname)
" call Decho("system(s:WinPath(.rename_cmd.) ".oldname.' '.newname.")")
let ret    = system(s:WinPath(rename_cmd).' '.oldname.' '.newname)
endif

let ctr= ctr + 1
endwhile
endif

" refresh the directory
call s:NetrwRefresh(0,s:NetrwBrowseChgDir(0,'/'))
call netrw#NetrwRestorePosn(svpos)

" call Dret("NetrwRemoteRename")
endfun

"---------------------------------------------------------------------
" Local Directory Browsing Support: {{1
"=====================================================================

"---------------------------------------------------------------------
" netrw#LocalBrowseCheck: {{2
func netrw#LocalBrowseCheck(dirname)
" unfortunate interaction -- split window debugging can't be
" used here, must use D-echoRemOn or D-echoTabOn -- the BufEnter
" event triggers another call to LocalBrowseCheck() when attempts
" to write to the DBG buffer are made.
" The &ft == "netrw" test was installed because the BufEnter event
" would hit when re-entering netrw windows, creating unexpected
" refreshes (and would do so in the middle of NetrwSaveOptions(), too)
" call Decho("netrw#LocalBrowseCheck: isdir"."a:dirname."">".isdirectory(a:dirname))
if isdirectory(a:dirname)
    " call Decho(" ft"."&ft."">"b:netrw_curdir"."(exists("b:netrw_curdir")? b:netrw_curdir : " doesn't exist".).">
    dirname<"a:dirname."">". line($)=".line($")
    if &ft !="netrw" || (exists("b:netrw_curdir") && b:netrw_curdir != a:dirname)
        silent! call s:NetrwBrowse(1,a:dirname)
    elseif &ft == "netrw" && line($) == 1
        silent! call s:NetrwBrowse(1,a:dirname)
    endif
" not a directory, ignore it
endfun

" ---------------------------------------------------------------------
" s:LocalListing: does the job of "ls" for local directories {{2
fun! s:LocalListing()
    call Dfunc("s:LocalListing()")
    call Decho("&ma=".&ma)
    call Decho("&mod=".&mod)
    call Decho("&ro=".&ro)
    call Decho("bufname(%)<".bufname("%").">")

    if exists("b:netrw_curdir") |call Decho("b:netrw_curdir"."">") |else|call Decho("b:netrw_curdir
doesn't exist")|endif
    if exists("g:netrw_sort_by")|call Decho("g:netrw_sort_by"."">")|else|call Decho("g:netrw_sort_by
doesn't exist")|endif

    " get the list of files contained in the current directory
    let dirname = escape(b:netrw_curdir,g:netrw_glob_escape)
    if dirname =~ '\
        let dirname = substitute(dirname,"[^/]*\.[/]/","g")
    endif
    if dirname == 
        let dirname = '/'
    endif
    let dirnamelen = strlen(dirname)
    let filelist = glob(s:ComposePath(dirname,"*/"))
    " call Decho("glob(dirname"."/>.*/")=".filelist)
    if filelist != ""
        let filelist= filelist."\n"
    endif
    let filelist= filelist.glob(s:ComposePath(dirname,"/.*"))
    " call Decho("glob(dirname"."/>.*/")=".filelist)

    " Coding choice: either  elide  / if present
    " or include / if not present
    if filelist =~ '[/\\/][/\\/]+=\(\n\|$)'
        " elide /path/ from glob() entries if present

" call Decho("elide /path/ from glob entries if present")
let filelist = substitute(filelist,\n',\t',\'g\')
let filelist = substitute(filelist,^[^\t]+[\n]\.|\n',\''\')
let filelist = substitute(filelist,^[\n]^[^\t]+[\n]\.$',\''\')
let filelist = substitute(filelist,\t\zs[^[^\t]+[\n]\.|\n',\''\')
let filelist = substitute(filelist,\n',\n',\'g\')
endif
" call Decho("filelist<filelist."">")
if filelist !~ '[\n][\n][\n]=[ pollutants $]' " include ../ in the glob() entry if its missing
" call Decho("forcibly tacking on ..")
let filelist= filelist."n".s:ComposePath(dirname,"../")
" call Decho("filelist<filelist."">")
endif
if dirname == '/' " remove .. from filelist when current directory is root directory
" call Decho("remove .. from filelist")
let filelist= substitute(filelist,'/\n\n\n','''\')
endif
" remove multiple contiguous newlines
let filelist= substitute(filelist,\n\n{2,}','\n','ge')
if !g:netrw_cygwin && (has("win32") || has("win95") || has("win64") || has("win16")) " change all \s to /s
" call Decho("change all \s to /s")
let filelist= substitute(filelist,'\s','/','g')
else " escape all \s to \n
" call Decho("escape all \s to \n")
let filelist= substitute(filelist,\n\n','\n','g')
endif
" call Decho("(before while) dirname<dirname."">")
" call Decho("(before while) dirnamelen<dirnamelen."">")
" call Decho("(before while) filelist<filelist."">")
while filelist != ""
if filelist == 'n'
let filename = substitute(filelist,'n.*$','','c')
let filelist = substitute(filelist,^[\n-][\n].*$','\n\n','c')
else
let filename = filelist
let filelist = ""
endif
" call Decho(" ")
" call Decho("(while) filelist<filelist."">")
" call Decho("(while) filename<filename."">")
if getftype(filename) == "link"
" indicate a symbolic link
" call Decho("indicate <".filename."> is a symbolic link with trailing @")
let pfile= filename."@

elseif getftype(filename) == "socket"
" indicate a socket
" call Decho("indicate <".filename."> is a socket with trailing =")
let pfile= filename."="

elseif getftype(filename) == "fifo"
" indicate a fifo
" call Decho("indicate <".filename."> is a fifo with trailing |")
let pfile= filename."|

elseif isdirectory(filename)
" indicate a directory
" call Decho("indicate <".filename."> is a directory with trailing /")
let pfile= filename."/

elseif exists("\:netrw_curdir") && \:netrw_curdir !~ '^.*://' && !isdirectory(filename)
if (has("win32") || has("win95") || has("win64") || has("win16"))
if filename =~ '\.[eE][xX][eE]$' || filename =~ '\.[cC][oO][mM]$' || filename =~ '\.[bB][aA][tT]$'
" indicate an executable
" call Decho("indicate <".filename."> is executable with trailing *")
let pfile= filename."*
else
" normal file
let pfile= filename
endif
else executable(filename)
" indicate an executable
" call Decho("indicate <".filename."> is executable with trailing *")
let pfile= filename."*
else
" normal file
let pfile= filename
endif
else
" normal file
let pfile= filename
endif
" call Decho("pfile<".pfile."> (after *@/ appending)")

if pfile =~ '/$'
let pfile= substitute(pfile, '/$','/')
" call Decho("change // to /: pfile<".pfile.">")
endif
let pfile = strpart(pfile, dirnamelen)
let pfile = substitute(pfile, "^[\\]/'\", 'e')
" call Decho("filename<", filename, ">")
" call Decho("pfile <", pfile, ">")

if w:netrw_liststyle == s:LONGLIST
let sz = getfsize(filename)
let fsz = strpart("", 1, 15-s:Strlen(sz)).sz
let pfile = pfile."\t".fsz."", strftime(g:netrw_timefmt, getftime(filename))
" call Decho("sz=".sz." fsz=".fsz)
endif

if g:netrw_sort_by =~ "^t"
" sort by time (handles time up to 1 quintillion seconds, US)
" call Decho("getftime(".filename,")=", getftime(filename))
let t = getftime(filename)
let ft = strpart("000000000000000000", 1, 18-s:Strlen(t)).t
" call Decho("exe keepjumps put='".ft.".filename,"")
let ftpfile = ft.".pfile
keepjumps silent! put=ftpfile
elseif g:netrw_sort_by =~ "^s"
" sort by size (handles file sizes up to 1 quintillion bytes, US)
" call Decho("getfsize(".filename,")=", getfsize(filename))
let sz = getfsize(filename)
let fsz = strpart("000000000000000000", 1, 18-s:Strlen(sz)).sz
" call Decho("exe keepjumps put='".fsz.".filename,"")
let fszpfile = fsz.".pfile
keepjumps silent! put=fszpfile
else
" sort by name
" call Decho("exe keepjumps put='".pfile,"")
keepjumps silent! put=pfile
endif
endwhile

" cleanup any windows mess at end-of-line
silent! keepjumps %s/Ar$//e
exe "setlocal ts=".g:netrw_maxfilenamelen
" call Decho("setlocal ts=".g:netrw_maxfilenamelen)
" call Dret("s:LocalListing")
endfun

" ---------------------------------------------------------------------
" s:LocalBrowseShellCmdRefresh: this function is called after a user has {{2
" performed any shell command. The idea is to cause all local-browsing
buffers to be refreshed after a user has executed some shell command,
" on the chance that s/he removed/created a file/directory with it.

fun! s:LocalBrowseShellCmdRefresh()
" call Dfunc("LocalBrowseShellCmdRefresh() browselist=".(exists("s:netrw_browselist")?
string(s:netrw_browselist) : "empty”)." ."tabpagenr("$")." tabs")
" determine which buffers currently reside in a tab
if !exists("s:netrw_browselist")
" call Dret("LocalBrowseShellCmdRefresh : browselist is empty")
return
endif
if !exists("w:netrw_bannercnt")
" call Dret("LocalBrowseShellCmdRefresh : don't refresh when focus not on netrw window")
return
endif
if exists("s:locbrowseshellcmd")
if s:locbrowseshellcmd
let s:locbrowseshellcmd= 0
" call Dret("LocalBrowseShellCmdRefresh : NetrwBrowse itself caused the refresh")
return
endif
let s:locbrowseshellcmd= 0
endif
let itab = 1
let buftablist = []
while itab <= tabpagenr("$")
let buftablist = buftablist + tabpagebuflist()
let itab = itab + 1
tabn
endwhile
" call Decho("buftablist".string(buftablist))
" call Decho("s:netrw_browselist<".(exists("s:netrw_browselist")? string(s:netrw_browselist) : "").">")
" GO through all buffers on netrw_browselist (ie. just local-netrw buffers):
" | refresh any netrw window
" | wipe out any non-displaying netrw buffer
let curwin = winnr()
let ibl = 0
for ibuf in s:netrw_browselist
" call Decho("bufwinnr(".ibuf.")) index(buftablist,".ibuf.")=".index(buftablist,ibuf))
if bufwinnr(ibuf) == -1 && index(buftablist,ibuf) == -1
" wipe out any non-displaying netrw buffer
" call Decho("wiping buf#".ibuf, "<".bufname(ibuf).">")
exe "silent! bd ".fnameescape(ibuf)
call remove(s:netrw_browselist,ibl)
" call Decho("browselist=".string(s:netrw_browselist))
continue
elseif index(tabpagebuflist(),ibuf) != -1
" refresh any netrw buffer
" call Decho("refresh buf#".ibuf."-> win#".bufwinnr(ibuf))
exe bufwinr(buf)."wincmd w"
call s:NetrwRefresh(1,s:NetrwBrowseChgDir(1,'/'))
endif
let ibl= ibl + 1
endfor
exe curwin."wincmd w"

" call Dret("LocalBrowseShellCmdRefresh")
endfun

" ---------------------------------------------------------------------
" s:NetrwLocalRm: {{2
fun! s:NetrwLocalRm(path) range
  call Dfunc("s:NetrwLocalRm(path<".a:path.">")
  call Decho("firstline=".a:firstline." lastline=".a:lastline)

  " preparation for removing multiple files/directories
  let ret = 0
  let all = 0
  let svpos = netrw#NetrwSavePosn()

  if exists("s:netrwmarkfilelist_{bufnr('%')}"
    " remove all marked files
    " call Decho("remove all marked files")
    for fname in s:netrwmarkfilelist_{bufnr('%')}
      let ok= s:NetrwLocalRmFile(a:path,fname,all)
      if ok =~ 'q\[%[quit]' || ok == "no"
        break
      elseif ok =~ 'a\[%[all]'
        let all= 1
      endif
    endfor
    call s:NetrwUnMarkFile(1)
  else
    " remove (multiple) files and directories
    " call Decho("remove files in range [".a:firstline.",".a:lastline."]")

    let ctr = a:firstline
    while ctr <= a:lastline
      exe "keepjumps ".ctr

      " sanity checks
      if line(".") < w:netrw_bannercnt
        let ctr= ctr + 1
        continue
      endif
      let curword= s:NetrwGetWord()
if curword == "./" || curword == "./
let ctr= ctr + 1
continue
endif
let ok= s:NetrwLocalRmFile(a:path,curword,all)
if ok =~ 'q\[uit\]' || ok == "no"
break
elseif ok =~ 'a\[ll\]'  
let all= 1
endif
let ctr= ctr + 1
endwhile
endif

" refresh the directory
"  call Decho("bufname<".bufname("%").">")
if bufname("%") != "NetrwMessage"
call s:NetrwRefresh(1,s:NetrwBrowseChgDir(1,'./'))
call netrw#NetrwRestorePosn(svpos)
endif

" call Dret("s:NetrwLocalRm")
endfun

" ____________________________________________________________
" s:NetrwLocalRmFile: remove file fname given the path {{{2
"                     Give confirmation prompt unless all==1
fun! s:NetrwLocalRmFile(path,fname,all)
"  call Dfunc("s:NetrwLocalRmFile(path<".a:path." fname<".a:fname." all=".a:all)"
let all= a:all
let ok = ""
norm! 0
let rmfile= s:ComposePath(a:path,a:fname)
"  call Decho("rmfile<".rmfile."">")
if rmfile !~ '^' && (rmfile =~ '@$' || rmfile !~ '[/]$'
" attempt to remove file
"  call Decho("attempt to remove file<".rmfile."">")
if !all
echohl Statement
call inputsave()
let ok= input("Confirm deletion of file<".rmfile." ").[y(es),n(o),a(ll),q(uit)] ")
call inputrestore()
echohl NONE
if ok == ""
let ok="no"
echohl Statement
call inputsave()
let ok= input("Confirm deletion of file<".rmfile." ").[y(es),n(o),a(ll),q(uit)] ")
call inputrestore()
echohl NONE
if ok == ""
let ok="no"
endif
" call Decho("response: ok<body>")
let ok= substitute(ok,'\[{y(es)},n(o),a(ll),q(uit)]\s*','','e')
" call Decho("response: ok<body> (after sub)")
if ok =~ 'a\[%[II]'
    let all= 1
endif
endif

if all || ok =~ 'y\[%es]' || ok == ""
    let ret= s:NetrwDelete(rmfile)
" call Decho("errcode=",v:shell_error," ret=",ret)
endif

else
    " attempt to remove directory
    if !all
        echohl Statement
        call inputsave()
    let ok= input("Confirm deletion of directory<" rmfile." > ","\[{y(es)},n(o),a(ll),q(uit)]\"")
        call inputrestore()
    let ok= substitute(ok,'\[{y(es)},n(o),a(ll),q(uit)]\s*','','e')
        if ok == ""
            let ok="no"
        endif
        if ok =~ 'a\[%[II]'
            let all= 1
        endif
        endif
    let rmfile= substitute(rmfile,\[\V\]\s*','','e')
    if all || ok =~ 'y\[%es]' || ok == ""
        " call Decho("1st attempt: system(s:WinPath(\g:netrw_local_rmdir.) \shellescape(rmfile).\')")
        call system(s:WinPath(g:netrw_local_rmdir.) \shellescape(rmfile))
        " call Decho("v:shell_error=",v:shell_error)
        if v:shell_error != 0
            " call Decho("2nd attempt to remove directory<" rmfile." >")
            let errcode= s:NetrwDelete(rmfile)
            " call Decho("errcode=",errcode)
            if errcode != 0
                if has("unix")
                    " call Decho("3rd attempt to remove directory<" rmfile." >")
                    call system("rm \ \shellescape(rmfile)
                    if v:shell_error != 0 && !exists("g:netrw_quiet")
                        call netrw#ErrorMsg(s:ERROR,"unable to remove directory<" rmfile." > -- is it empty?",34)
        let ok="no"
    endif

elseif !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:ERROR,"unable to remove directory<".rmfile."> -- is it empty?",35)
let ok="no"
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endi...
exe "keepjumps ".ctr

" sanity checks
if line(".") < w:netrw_bannercnt
    let ctr= ctr + 1
    continue
endif
let curword= s:NetrwGetWord()
if curword == "./" || curword == "/./"
    let ctr= ctr + 1
    continue
endif

norm! 0
let oldname= s:ComposePath(a:path,curword)
"   call Decho("oldname<".oldname.">")

call inputsave()
let newname= input("Moving ".oldname. to : ",substitute(oldname,'*$','e'))
call inputrestore()

call rename(oldname,newname)
"   call Decho("renaming <".oldname."> to <".newname.">")

let ctr= ctr + 1
endwhile
endif

" refresh the directory
"   call Decho("refresh the directory listing")
call s:NetrwRefresh(1,s:NetrwBrowseChgDir(1,'./'))
call netrw#NetrwRestorePosn(svpos)

"   call Dret("NetrwLocalRename")
endfun

"---------------------------------------------------------------------
" s:LocalFastBrowser: handles setting up/taking down fast browsing for the local browser {{1
"     g:netrw_    Directory Is
"     fastbrowse  Local  Remote
"     slow   0         D      D      D=Deleting a buffer implies it will not be re-used (slow)
"     med    1         D      H      H=Hiding a buffer implies it may be re-used (fast)
"     fast   2         H      H
"     (re-using a buffer may not be as accurate)
fun! s:LocalFastBrowser()
  " call Dfunc("LocalFastBrowser() g:netrw_fastbrowse=".g:netrw_fastbrowse)

  " initialize browselist, a list of buffer numbers that the local browser has used
  if !exists("s:netrw_browselist")
    " call Decho("initialize s:netrw_browselist")
    let s:netrw_browselist= []
  endif

  " append current buffer to fastbrowse list
  if empty(s:netrw_browselist) || bufnr("%") > s:netrw_browselist[-1]
    " call Decho("appending current buffer to browselist")
    call add(s:netrw_browselist,bufnr("%"))
    " call Decho("browselist=".string(s:netrw_browselist))
  endif

  " enable autocmd events to handle refreshing/removing local browser buffers
  "   If local browse buffer is currently showing: refresh it
  "   If local browse buffer is currently hidden : wipe it
  if !exists("s:netrw_browser_shellcmd") && g:netrw_fastbrowse <= 1
    " call Decho("setting up local-browser shell command refresh")
    let s:netrw_browser_shellcmd= 1
    augroup AuNetrwShellCmd
    au!
    if (has("win32") || has("win95") || has("win64") || has("win16"))
      " call Decho("autocmd: ShellCmdPost * call s:LocalBrowseShellCmdRefresh()")
      au ShellCmdPost*call s:LocalBrowseShellCmdRefresh()
    else
      au ShellCmdPost,FocusGained*call s:LocalBrowseShellCmdRefresh()
    endif
    augroup END
  endif

  " user must have changed fastbrowse to its fast setting, so remove
  " the associated autocmd events
  if g:netrw_fastbrowse > 1 && exists("s:netrw_browser_shellcmd")
    " call Decho("remove AuNetrwShellCmd autocmd group")
    unlet s:netrw_browser_shellcmd
    augroup AuNetrwShellCmd
    au!
    augroup END
    augroup! AuNetrwShellCmd
  endif

  " call Dret("LocalFastBrowser : browselist<".string(s:netrw_browselist).">")
endfun
" Support Functions: {{1

" netrw#ErrorMsg: {{2
" 0=note    = s:NOTE
" 1=warning = s:WARNING
" 2=error   = s:ERROR
" Oct 12, 2008 : max errnum currently is 73
fun! netrw#ErrorMsg(level, msg, errnum)
" call Dfunc("netrw#ErrorMsg(level=,.a:level." msg<,.a:msg." errnum=,.a:errnum.")
g:netrw_use_errorwindow=,.g:netrw_use_errorwindow)
if a:level == 1
let level= "**warning** (netrw) "
elseif a:level == 2
let level= "**error** (netrw) "
else
let level= "**note** (netrw) "
endif
" call Decho("level=",.level)
if g:netrw_use_errorwindow
" (default) netrw creates a one-line window to show error/warning
" messages (reliably displayed)
" record current window number for NetrwRestorePosn()'s benefit
let s:winBeforeErr= winnr()
" call Decho("s:winBeforeErr=",.s:winBeforeErr)
" getting messages out reliably is just plain difficult!
" This attempt splits the current window, creating a one line window.
if bufexists("NetrwMessage") && bufwinnr("NetrwMessage") > 0
" call Decho("write to NetrwMessage buffer")
exe bufwinnr("NetrwMessage")."wincmd w"
" call Decho("setlocal ma noro")
setlocal ma noro
call setline(line("$")+1,level.a:msg)
$
else
" call Decho("create a NetrwMessage buffer window")
bo 1split
enew
setlocal bt=nofile
file NetrwMessage
" call Decho("setlocal ma noro")
setlocal ma noro
call setline(line("$"),level.a:msg)
endif
" call Decho("wrote msg<".level.a:msg."> to NetrwMessage win#".winnr())
if &fo !~ '[ta]'
    syn clear
    syn match netrwMesgNote"^\*\*note\*\*"
    syn match netrwMesgWarning"^\*\*warning\*\*"
    syn match netrwMesgError"^\*\*error\*\*"
    hi link netrwMesgWarning WarningMsg
    hi link netrwMesgError Error
endif
setlocal noma ro bh=wipe

else
    " (optional) netrw will show messages using echomsg. Even if the
    " message doesn't appear, at least it'll be recallable via :messages
    "     redraw!
    if a:level == s:WARNING
        echohl WarningMsg
    elseif a:level == s:ERROR
        echohl Error
    endif
    echomsg level.a:msg
    " call Decho("echomsg ***netrw*** ".a:msg)
    echohl None
    endif

    " call Dret("netrw#ErrorMsg")
endfun

* *---------------------------------------------------------------------
* netrw#NetrwRestorePosn: restores the cursor and file position as saved by NetrwSavePosn() {{2
fun! netrw#NetrwRestorePosn(...)
    " call Dfunc("netrw#NetrwRestorePosn() a:0=".a:0." winnr=".(exists("w:netrw_winnr")? w:netrw_winnr : -1)." line=".(exists("w:netrw_line")? w:netrw_line : -1)." col=".(exists("w:netrw_col")? w:netrw_col : -1)." hline=".(exists("w:netrw_hline")? w:netrw_hline : -1))
    let eikeep= &ei
    set ei=all
    if expand("%") == "NetrwMessage"
        exe s:winBeforeErr."wincmd w"
    endif

    if a:0 > 0
        exe a:1
    endif

    " restore window
    if exists("w:netrw_winnr")
        " call Decho("restore window: exe silent! ".w:netrw_winnr."wincmd w")
    endif
}


exe "silent! ".w:netrw_winnr."wincmd w"
endif
if v:shell_error == 0
" as suggested by Bram M: redraw on no error
" allows protocol error messages to remain visible
  redraw!
endif

" restore top-of-screen line
if exists("w:netrw_hline")
  call Decho("restore toposcreen: exe norm! ".w:netrw_hline."G0z")
  exe "norm! ".w:netrw_hline."G0z\<CR>"
endif

" restore position
if exists("w:netrw_line") && exists("w:netrw_col")
  call Decho("restore posn: exe norm! ".w:netrw_line."G0".w:netrw_col."\$")
  exe "norm! ".w:netrw_line."G0".w:netrw_col."\<bar>"
endif
let &ei= eikeep
" call Dret("netrw#NetrwRestorePosn")
endfun

" ---------------------------------------------------------------------
" netrw#NetrwSavePosn: saves position of cursor on screen {{{2
fun! netrw#NetrwSavePosn()
" Save current line and column
let w:netrw_winnr= winnr()
let w:netrw_line = line("")
let w:netrw_col  = virtcol("")

" Save top-of-screen line
norm! H0
let w:netrw_hline= line("")

" set up string holding position parameters
let ret = ";let w:netrw_winnr=":w:netrw_winnr.";[let w:netrw_line="":w:netrw_line.";let w:netrw_col="":w:netrw_col.";let w:netrw_hline="":w:netrw_hline

call netrw#NetrwRestorePosn()
" call Dret("netrw#NetrwSavePosn : winnr="":w:netrw_winnr." line="":w:netrw_line." col="":w:netrw_col." hline="":w:netrw_hline)
return ret
endfun

" ---------------------------------------------------------------------
netrw#RFC2396: converts %xx into characters

```vim
fun! netrw#RFC2396(fname)
  " call Dfunc("netrw#RFC2396(fname<".a:fname."">")
  let fname = escape(substitute(a:fname,'%(\%x)\%','\=nr2char("0x".submatch(1))','ge')," \t")
  " call Dret("netrw#RFC2396 ".fname)
  return fname
endfun
```

```
" ---------------------------------------------------------------------

s:ComposePath: Appends a new part to a path taking different systems into consideration

```vim
fun! s:ComposePath(base,subdir)
  " call Dfunc("s:ComposePath(base<".a:base.""> subdir<".a:subdir."">")
  if(has("amiga"))
    " call Decho("amiga")
    let ec = a:base[strlen(a:base)-1]
    if ec !="/" && ec !=":
      let ret = a:base . "/" . a:subdir
    else
      let ret = a:base . a:subdir
    endif
  elseif a:subdir =~ '^\a:\[\\]\\[^\\]/\[^\\]+/$' && (has("win32") || has("win95") || has("win64") || has("win16"))
    " call Decho("windows")
    let ret= a:subdir
  elseif a:base =~ '^\a\+://'
    " call Decho("remote linux/macos")
    let urlbase = substitute(a:base,'^[\^/][\^/]/\([^/\-]*)\([^/\-]*\]$','\1 ','')
    let curpath = substitute(a:base,'^[\^/]/\([^/\-]*)\([^/\-]*\]$','\2 ','')
    if a:subdir == '../'
      if curpath =~ '^[^/]/[^/]+$'
        let curpath= substitute(curpath,'^[^/]+/$','','')
      else
        let curpath=""
      endif
      let ret= urlbase.curpath
    else
      let ret= urlbase.curpath.a:subdir
    endif
  else
    " call Decho("urlbase<".urlbase."">")
    " call Decho("curpath<".curpath."">")
    " call Decho("ret<".ret."">")
    else
      " call Decho("local linux/macos")
      let ret = substitute(a:base,"/".a:subdir,"/"",""g")
      if a:base =~ '^\/'
```
" keeping initial // for the benefit of network share listing support
let ret= '/'.ret
endif
let ret= simplify(ret)
endif

" call Dret("s:ComposePath ".ret)
return ret
eendfun

" ---------------------------------------------------------------------
" s:FileReadable: o/s independent filereadable {{{2
fun! s:FileReadable(fname)
" call Dfunc("s:FileReadable(fname<".a:fname.">)")
if g:netrw_cygwin
let ret= filereadable(substitute(a:fname,?cygdrive\(\.,\.)\(\.,\)\(\.,\)\))
else
let ret= filereadable(a:fname)
endif

" call Dret("s:FileReadable ".ret)
return ret
eendfun

" ---------------------------------------------------------------------
" s:GetTempfile: gets a tempname that'll work for various o/s's {{{2
" Places correct suffix on end of temporary filename,
" using the suffix provided with fname
fun! s:GetTempfile(fname)
" call Dfunc("s:GetTempfile(fname<".a:fname.">)")
if !exists("b:netrw_tmpfile")
" get a brand new temporary filename
let tmpfile= tempname()
" call Decho("tmpfile<".tmpfile."> : from tempname()"

let tmpfile= substitute(tmpfile,\"\\\\\\","/","ge"
" call Decho("tmpfile<".tmpfile."> : chgd any \ -> /")

" sanity check -- does the temporary file's directory exist?
if !isdirectory(substitute(tmpfile,\[/]+$",";"))
" call Decho("ro=".&i:ro." ma=".&i:ma." mod=".&i:mod." wrap=".&i:wrap)
call netrw#ErrorMsg(s:ERROR,"your <".substitute(tmpfile,\[/]+$",";"."> directory is missing!",2)
" call Dret("s:GetTempfile getcwd<".getcwd().">)")
return ""
endif
" let netrw#NetSource() know about the tmpfile
let s:netrw_tmpfile= tmpfile " used by netrw#NetSource() and netrw#NetrwBrowseX()
" call Decho("tmpfile<".tmpfile."> s:netrw_tmpfile<".s:netrw_tmpfile.">")

" o/s dependencies
if g:netrw_cygwin != 0
  let tmpfile = substitute(tmpfile;\(^\(\a\):\)/cygdrive/\1',e')
else
  if !exists(;++shellslash) || !&ssl
    let tmpfile = substitute(tmpfile;'/','\\g',g)
  endif
else
  let tmpfile = tmpfile
endif
let b:netrw_tmpfile= tmpfile
" call Decho("o/s dependent fixed tempname<".tmpfile.">")
else
" re-use temporary filename
let tmpfile= b:netrw_tmpfile
" call Decho("tmpfile<".tmpfile."> re-using")
endif

" use fname's suffix for the temporary file
if a:fname != ""
  if a:fname =~ \([^/\]()+\)$'
    call Decho("using fname<".a:fname.">'s suffix")
  if a:fname =~ \(.*\([^/\]()+\)\)+\)$',\\1',e')
    let suffix = \(\).substitute(a:fname;\(^.*\([^/\]()+\)\)+\)$',\\1',e')
  else
    let suffix = substitute(a:fname;\(^.*\([^/\]()+\)\)+\)$',\\1',e')
  endif
  " call Decho("suffix<".suffix.">")
  let tmpfile= substitute(tmpfile;\(\).tmp\$','e')
" call Decho("chgd tmpfile<".tmpfile."> (removed any .tmp suffix)"
  let tmpfile .= suffix
" call Decho("chgd tmpfile<".tmpfile."> (added ".suffix." suffix) netrw_fname<".b:netrw_fname.">")
  let s:netrw_tmpfile= tmpfile " supports netrw#NetSource()
endif
endif

" call Dret("s:GetTempfile <".tmpfile.">")
return tmpfile
derffun

" ---------------------------------------------------------------------
" s:MakeSshCmd: transforms input command using USEPORT HOSTNAME into {{2
" a correct command for use with a system() call

---

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fun! s:MakeSshCmd(sshcmd)
" call Dfunc("s:MakeSshCmd(sshcmd<".a:sshcmd.">) user<".s:user."> machine<".s:machine."">")
let sshcmd = substitute(a:sshcmd,"<HOSTNAME>\",s:user.s:machine,"")
if exists("g:netrw_port") && g:netrw_port != ""
    let sshcmd= substitute(sshcmd,"USEPORT",g:netrw_sshport.' '.g:netrw_port,"")
elseif exists("s:port") && s:port != ""
    let sshcmd= substitute(sshcmd,"USEPORT","","")
else
    let sshcmd= substitute(sshcmd,"USEPORT ","","")
endif
" call Dret("s:MakeSshCmd <".sshcmd.">")
return sshcmd
endfun

" ---------------------------------------------------------------------
" s:NetrwBMShow: {{{2
fun! s:NetrwBMShow()
" call Dfunc("s:NetrwBMShow()")
redir => bmshowraw
menu
redir END
let bmshowlist = split(bmshowraw,'\n')
if bmshowlist != []
    let bmshowfuncs= filter(bmshowlist,'v:val =~ "<SNR>\d\+_BMShow()"')
    if bmshowfuncs != []
        let bmshowfunc = substitute(bmshowfuncs[0],'^.*:\(call.*BMShow()\).*$','\1','')
        if bmshowfunc =~ '^call.*BMShow()'
            exe "silent! ".bmshowfunc
        endif
    endif
endif
" call Dret("s:NetrwBMShow : bmshowfunc<".(exists("bmshowfunc")? bmshowfunc : 'n/a').">")
endfun

" ---------------------------------------------------------------------
" s:NetrwDelete: Deletes a file. {{{2
" Uses Steve Hall's idea to insure that Windows paths stay
" acceptable. No effect on Unix paths.
" Examples of use:  let result= s:NetrwDelete(path)
fun! s:NetrwDelete(path)
" call Dfunc("s:NetrwDelete(path<".a:path.">")
let path = s:WinPath(a:path)
if !g:netrw_cygwin && (has("win32") || has("win95") || has("win64") || has("win16"))
    if exists(’+shellslash’)
        let sskeep= &shellslash
        setlocal noshellslash
        let result = delete(path)
    endif
" call Dret("s:NetrwDelete : delete(path<".a:path,"">")
endfun
let &shellslash = sskeep
else
    call Decho("exe let result= ".a:cmd."(".path.")")
let result= delete(path)
endif
else
    call Decho("let result= delete (.path.")")
let result= delete(path)
endif
if result < 0
call netrw#ErrorMsg(s:WARNING,"delete (.path.") failed!",71)
endif

call Dret("s:NetrwDelete ".result)
return result
endfun

" ---------------------------------------------------------------------
" s:NetrwEnew: opens a new buffer, passes netrw buffer variables through {{2
fun! s:NetrwEnew(curdir)
" grab a function-local-variable copy of buffer variables
if exists("b:netrw_bannercnt") |let netrw_bannercnt = b:netrw_bannercnt |endif
if exists("b:netrw_browser_active") |let netrw_browser_active = b:netrw_browser_active |endif
if exists("b:netrw_cpf") |let netrw_cpf = b:netrw_cpf |endif
if exists("b:netrw_curdir") |let netrw_curdir = b:netrw_curdir |endif
if exists("b:netrw_explore_bufnr") |let netrw_explore_bufnr = b:netrw_explore_bufnr |endif
if exists("b:netrw_explore_index") |let netrw_explore_index = b:netrw_explore_index |endif
if exists("b:netrw_explore_line") |let netrw_explore_line = b:netrw_explore_line |endif
if exists("b:netrw_explore_list") |let netrw_explore_list = b:netrw_explore_list |endif
if exists("b:netrw_explore_listlen") |let netrw_explore_listlen = b:netrw_explore_listlen |endif
if exists("b:netrw_explore_matchcnt") |let netrw_explore_matchcnt = b:netrw_explore_matchcnt |endif
if exists("b:netrw_frame") |let netrw_frame = b:netrw_frame |endif
if exists("b:netrw_lastfile") |let netrw_lastfile = b:netrw_lastfile |endif
if exists("b:netrw_liststyle") |let netrw_liststyle = b:netrw_liststyle |endif
if exists("b:netrw_method") |let netrw_method = b:netrw_method |endif
if exists("b:netrw_option") |let netrw_option = b:netrw_option |endif
if exists("b:netrw_prvdir") |let netrw_prvdir = b:netrw_prvdir |endif

call s:NetrwOptionRestore("w:"")
" call Decho("generate a buffer with keepjumps keepalt enew!")
keepjumps keepalt enew!
call s:NetrwOptionSave("w:"")

" copy function-local-variables to buffer variable equivalents
if exists("netrw_bannercnt") |let b:netrw_bannercnt = netrw_bannercnt |endif
if exists("netrw_browser_active") |let b:netrw_browser_active = netrw_browser_active |endif
if exists("netrw_cpf") | let b:netrw_cpf = netrw_cpf | endif
if exists("netrw_curdir") | let b:netrw_curdir = netrw_curdir | endif
if exists("netrw_explore_bufnr") | let b:netrw_explore_bufnr = netrw_explore_bufnr | endif
if exists("netrw_explore_index") | let b:netrw_explore_index = netrw_explore_index | endif
if exists("netrw_explore_line") | let b:netrw_explore_line = netrw_explore_line | endif
if exists("netrw_explore_list") | let b:netrw_explore_list = netrw_explore_list | endif
if exists("netrw_explore_listlen") | let b:netrw_explore_listlen = netrw_explore_listlen | endif
if exists("netrw_explore_matchcnt") | let b:netrw_explore_matchcnt = netrw_explore_matchcnt | endif
if exists("netrwfname") | let b:netrw fname = netrw fname | endif
if exists("netrw_lastfile") | let b:netrw_lastfile = netrw_lastfile | endif
if exists("netrw_liststyle") | let b:netrw_liststyle = netrw_liststyle | endif
if exists("netrw_method") | let b:netrw_method = netrw_method | endif
if exists("netrw_option") | let b:netrw_option = netrw_option | endif
if exists("netrw_prvdir") | let b:netrw_prvdir = netrw_prvdir | endif

let b:netrw_curdir= a:curdir
if b:netrw_curdir =~ '/$'
  if exists("w:netrw_liststyle") & & w:netrw_liststyle == s: TREENGLISH
    file NetrwTreeListing
    nno <silent> <buffer> [:silent call <SID>TreeListMove('[')]<cr>
    nno <silent> <buffer> [:silent call <SID>TreeListMove(']')]<cr>
    else
      exe "silent! keepalt file ".fnameescape(b:netrw_curdir)
    endif
  endif
endif

" call Dret("s:NetrwEnew : buf#"bufnr("%")."<".bufname("%".)."> expand(%)".expand("%".)."> expand(#)".expand("#".).">")
endfun

"------------------------------------------------------------------------
" s:NetrwSaveWordPosn: used to keep cursor on same word after refresh, [{}2
" changed sorting, etc. Also see s:NetrwRestoreWordPosn().
fun! s:NetrwSaveWordPosn()
" call Dfunc("NetrwSaveWordPosn()")
let s:netrw_saveword= '^'.fnameescape(getline('')).'$'
" call Dret("NetrwSaveWordPosn : saveword<".s:netrw_saveword."">")
endfun

"------------------------------------------------------------------------
" s:NetrwRestoreWordPosn: used to keep cursor on same word after refresh, [{}2
" changed sorting, etc. Also see s:NetrwSaveWordPosn().
fun! s:NetrwRestoreWordPosn()
" call Dfunc("NetrwRestoreWordPosn()")
silent! call search(s:netrw_saveword,'w')
" call Dret("NetrwRestoreWordPosn")
endfun
" --------------------------------------------------------------------" s:RestoreBufVars: {{{2
fun! s:RestoreBufVars()
" call Dfunc("s:RestoreBufVars()")
if exists("s:netrw_curdir")
|let b:netrw_curdir
= s:netrw_curdir
|endif
if exists("s:netrw_lastfile")
|let b:netrw_lastfile
= s:netrw_lastfile
|endif
if exists("s:netrw_method")
|let b:netrw_method
= s:netrw_method
|endif
if exists("s:netrw_fname")
|let b:netrw_fname
= s:netrw_fname
|endif
if exists("s:netrw_machine")
|let b:netrw_machine
= s:netrw_machine
|endif
if exists("s:netrw_browser_active")|let b:netrw_browser_active = s:netrw_browser_active|endif
" call Dret("s:RestoreBufVars")
endfun
" --------------------------------------------------------------------" s:RemotePathAnalysis: {{{2
fun! s:RemotePathAnalysis(dirname)
" call Dfunc("s:RemotePathAnalysis()")
let dirpat = '^\(\w\{-}\)://\(\w\+@\)\=\([^/:#]\+\)\%([:#]\(\d\+\)\)\=/\(.*\)$'
let s:method = substitute(a:dirname,dirpat,'\1','')
let s:user = substitute(a:dirname,dirpat,'\2','')
let s:machine = substitute(a:dirname,dirpat,'\3','')
let s:port = substitute(a:dirname,dirpat,'\4','')
let s:path = substitute(a:dirname,dirpat,'\5','')
let s:fname = substitute(a:dirname,'^.*/\ze.','','')
"
"
"
"
"
"

call Decho("set up s:method <".s:method .">")
call Decho("set up s:user <".s:user .">")
call Decho("set up s:machine<".s:machine.">")
call Decho("set up s:port <".s:port.">")
call Decho("set up s:path <".s:path .">")
call Decho("set up s:fname <".s:fname .">")

" call Dret("s:RemotePathAnalysis")
endfun
" --------------------------------------------------------------------" s:RemoteSystem: runs a command on a remote host using ssh {{{2
"
Returns status
" Runs system() on
" [cd REMOTEDIRPATH;] a:cmd
" Note that it doesn't do shellescape(a:cmd)!
fun! s:RemoteSystem(cmd)
" call Dfunc("s:RemoteSystem(cmd<".a:cmd.">)")
if !executable(g:netrw_ssh_cmd)
call netrw#ErrorMsg(s:ERROR,"g:netrw_ssh_cmd<".g:netrw_ssh_cmd."> is not executable!",52)

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elseif !exists("b:netrw_curdir")
call netrw#ErrorMsg(s:ERROR,"for some reason b:netrw_curdir doesn't exist!",53)
else
    let cmd      = s:MakeSshCmd(g:netrw_ssh_cmd." USEPORT HOSTNAME")
    let remotedir= substitute(b:netrw_curdir,"^[\^/]+(/[^/]+)?","")
    if remotedir != ""
        let cmd= cmd.' cd '.shellescape(remotedir).";
    else
        let cmd= cmd.' '
    endif
    let cmd= cmd.a:cmd
    " call Decho("call system("."cmd."")")
    let ret= system(cmd)
endif
    " call Dret("s:RemoteSystem ".ret)
return ret
endfun

" ---------------------------------------------------------------------
" s:RestoreWinVars: (used by Explore() and NetrwSplit()) {{}{2
fun! s:RestoreWinVars()
    " call Dfunc("s:RestoreWinVars()
    if exists("s:bannercnt") |let w:netrw_bannercnt = s:bannercnt |unlet s:bannercnt |endif
    if exists("s:col") |let w:netrw_col      = s:col      |unlet s:col      |endif
    if exists("s:curdir") |let w:netrw_curdir    = s:curdir    |unlet s:curdir    |endif
    if exists("s:explore_bufnr") |let w:netrw_explore_bufnr = s:explore_bufnr |unlet s:explore_bufnr |endif
    if exists("s:explore_index") |let w:netrw_explore_index = s:explore_index |unlet s:explore_index |endif
    if exists("s:explore_line") |let w:netrw_explore_line = s:explore_line |unlet s:explore_line |endif
    if exists("s:explore_list") |let w:netrw_explore_list    = s:explore_list           |unlet s:explore_list |endif
    if exists("s:explore_listlen") |let w:netrw_explore_listlen   = s:explore_listlen |unlet s:explore_listlen |endif
    if exists("s:explore_matchcnt") |let w:netrw_explore_matchcnt = s:explore_matchcnt |unlet s:explore_matchcnt |endif
    if exists("s:fpl") |let w:netrw_fpl      = s:fpl      |unlet s:fpl      |endif
    if exists("s:hline") |let w:netrw_hline    = s:hline    |unlet s:hline    |endif
    if exists("s:liststyle") |let w:netrw_liststyle = s:liststyle |unlet s:liststyle |endif
    if exists("s:method") |let w:netrw_method   = s:method   |unlet s:method   |endif
    if exists("s:prvdir") |let w:netrw_prvdir   = s:prvdir   |unlet s:prvdir   |endif
    if exists("s:treedict") |let w:netrw_treedict = s:treedict |unlet s:treedict |endif
    if exists("s:treetop") |let w:netrw_treetop  = s:treetop  |unlet s:treetop  |endif
    if exists("s:winnr") |let w:netrw_winnr    = s:winnr    |unlet s:winnr    |endif
" call Dret("s:RestoreWinVars")
endfun

" ---------------------------------------------------------------------
" s:Rexplore: implements returning from a buffer to a netrw directory {{}{2
"
" s:SetRexDir() sets up <2-leftmouse> maps (if g:netrw_retmap
" is true) and a command, :Rexplore, which call this function.
" s:nbcd_curpos_{bufnr('%')} is set up by s:NetrwBrowseChgDir()
fun! s:NetrwRexplore(islocal,dirname)
" call Dfunc("s:NetrwRexplore(islocal="".a:islocal." dirname<"".a:dirname."">")
if a:islocal
  call netrw#LocalBrowseCheck(a:dirname)
else
  call s:NetrwBrowse(0,a:dirname)
endif
if exists("s:nbcd_curpos_{bufnr('%')}")
  call netrw#NetrwRestorePosn(s:nbcd_curpos_{bufnr('%')})
  unlet s:nbcd_curpos_{bufnr('%')} 
endif
" call Dret("s:NetrwRexplore")
endfun

" ---------------------------------------------------------------------
" s:SaveBufVars: {{{2
fun! s:SaveBufVars()
" call Dfunc("s:SaveBufVars()")
if exists("b:netrw_curdir")        |let s:netrw_curdir         = b:netrw_curdir        |endif
if exists("b:netrw_lastfile")      |let s:netrw_lastfile       = b:netrw_lastfile      |endif
if exists("b:netrw_method")        |let s:netrw_method         = b:netrw_method        |endif
if exists("b:netrw_fname")         |let s:netrw_fname          = b:netrw_fname         |endif
if exists("b:netrw_machine")       |let s:netrw_machine        = b:netrw_machine       |endif
if exists("b:netrw_browser_active")|let s:netrw_browser_active = b:netrw_browser_active|endif
" call Dret("s:SaveBufVars")
endfun

" ---------------------------------------------------------------------
" s:SaveWinVars: (used by Explore() and NetrwSplit()) {{{2
fun! s:SaveWinVars()
" call Dfunc("s:SaveWinVars()")
if exists("w:netrw_bannercnt")      |let s:bannercnt       = w:netrw_bannercnt      |endif
if exists("w:netrw_col")            |let s:col             = w:netrw_col            |endif
if exists("w:netrw_curdir")         |let s:curdir          = w:netrw_curdir         |endif
if exists("w:netrw_explore_bufnr")  |let s:explore_bufnr   = w:netrw_explore_bufnr  |endif
if exists("w:netrw_explore_indx")   |let s:explore_indx    = w:netrw_explore_indx   |endif
if exists("w:netrw_explore_line")   |let s:explore_line    = w:netrw_explore_line   |endif
if exists("w:netrw_explore_listlen")|let s:explore_listlen = w:netrw_explore_listlen|endif
if exists("w:netrw_explore_list")   |let s:explore_list    = w:netrw_explore_list   |endif
if exists("w:netrw_explore_mtchcnt")|let s:explore_mtchcnt = w:netrw_explore_mtchcnt|endif
if exists("w:netrw_fpl")            |let s:fpl             = w:netrw_fpl            |endif
if exists("w:netrw_hline")          |let s:hline           = w:netrw_hline          |endif
if exists("w:netrw_line")           |let s:line            = w:netrw_line           |endif
if exists("w:netrw_liststyle")      |let s:liststyle       = w:netrw_liststyle      |endif
if exists("w:netrw_method")     |let s:method          = w:netrw_method     |endif
if exists("w:netrw_prvdir")   |let s:prvdir          = w:netrw_prvdir   |endif
if exists("w:netrw_treedict") |let s:treedict        = w:netrw_treedict |endif
if exists("w:netrw_treetop")  |let s:treetop         = w:netrw_treetop  |endif
if exists("w:netrw_winnr")    |let s:winnr           = w:netrw_winnr    |endif
" call Dret("s:SaveWinVars")
endfun

" ---------------------------------------------------------------------
" s:SetBufWinVars: (used by NetrwBrowse() and LocalBrowseCheck()) {{ {2
" To allow separate windows to have their own activities, such as
" Explore **/pattern, several variables have been made window-oriented.
" However, when the user splits a browser window (ex: ctrl-w s), these
" variables are not inherited by the new window. SetBufWinVars() and
" UseBufWinVars() get around that.
fun! s:SetBufWinVars()
" call Dfunc("s:SetBufWinVars()"
if exists("w:netrw_liststyle") |let b:netrw_liststyle      = w:netrw_liststyle |endif
if exists("w:netrw_bannercnt") |let b:netrw_bannercnt      = w:netrw_bannercnt |endif
if exists("w:netrw_method")    |let b:netrw_method         = w:netrw_method    |endif
if exists("w:netrw_prvdir")    |let b:netrw_prvdir         = w:netrw_prvdir    |endif
if exists("w:netrw_explore_indx")|let b:netrw_explore_indx   = w:netrw_explore_indx |endif
if exists("w:netrw_explore_listlen")|let b:netrw_explore_listlen= w:netrw_explore_listlen |endif
if exists("w:netrw_explore_mtchcnt")|let b:netrw_explore_mtchcnt= w:netrw_explore_mtchcnt |endif
if exists("w:netrw_explore_bufnr")|let b:netrw_explore_bufnr  = w:netrw_explore_bufnr |endif
if exists("w:netrw_explore_line") |let b:netrw_explore_line   = w:netrw_explore_line   |endif
if exists("w:netrw_explore_list") |let b:netrw_explore_list   = w:netrw_explore_list   |endif
" call Dret("s:SetBufWinVars")
endfun

" ---------------------------------------------------------------------
" s:SetRexDir: set directory for :Rexplore {{ {2
fun! s:SetRexDir(islocal,diname)
" call Dfunc("s:SetRexDir(islocal="a:islocal." dirname="/a:dirname.">")")
" set up Rex and leftmouse-double-click
if a:islocal
exe 'com! Rexplore call s:NetrwRexplore(1,".escape(a:dirname,"",")")'
if g:netrw_retmap
if !hasmapto("<Plug>NetrwReturn") && maparg("<2-leftmouse>"","n") == ""
  nmap <unique> <silent> <2-leftmouse><Plug>NetrwReturn
endif
let dir = escape(a:dirname, s:netrw_map_escape)
exe 'noremap <silent> <Plug>NetrwReturn ::call <SID>NetrwRexplore(1,"",dir."">)<cr>'
endif
else
exe 'com! Rexplore call s:NetrwRexplore(0,".escape(a:dirname,"",")")'
if g:netrw_retmap
if !hasmapto("<Plug>NetrwReturn") && maparg("<2-leftmouse>"","n") == ""

nmap <unique> <silent> <2-leftmouse><Plug>NetrwReturn
endif
let dir = escape(a:dirname, s:netrw_map_escape)
exe 'inoremap <silent> <Plug>NetrwReturn :call <SID>NetrwRexplore(0,"."<cr>)'<
endif
call Dret("s:SetRexDir")
endfun

"  call Dret("s:SetRexDir")
endfun

" s:Strlen: this function returns the length of a string, even if its \[2
" using two-byte etc characters.
" Currently, its only used if g:Align_xstrlen is set to a
" nonzero value. Solution from Nicolai Weibull, vim docs
" ( :help strlen() ), Tony Mechelynck, and my own invention.
fun! s:Strlen(x)
" call Dfunc("s:Strlen(x="#a:x#")")
if g:netrw_xstrlen == 1
" number of codepoints (Latin a + combining circumflex is two codepoints)
" (comment from TM, solution from NW)
let ret= strlen(substitute(a:x,'.','c','g'))
elseif g:netrw_xstrlen == 2
" number of spacing codepoints (Latin a + combining circumflex is one spacing
" codepoint; a hard tab is one; wide and narrow CJK are one each; etc.)
" (comment from TM, solution from TM)
let ret=strlen(substitute(a:x, '.\Z', 'x', 'g'))
elseif g:netrw_xstrlen == 3
" virtual length (counting, for instance, tabs as anything between 1 and
" 'tabstop', wide CJK as 2 rather than 1, Arabic alif as zero when immediately
" preceded by lam, one otherwise, etc.)
" (comment from TM, solution from me)
let modkeep= &mod
exe "norm! 0\<esc>"
call setline(line("."),a:x)
let ret= virtcol("$") - 1
d
let &mod= modkeep
else
" at least give a decent default
ret= strlen(a:x)
endif
" call Dret("s:Strlen ".ret)
return ret
endfun
fun! s:TreeListMove(dir)
    
    call Dfunc("s:TreeListMove(dir<".a:dir.">)")
    
    let curline = getline(.)
    let prvline = (line(.) > 1)? getline(line(.)-1) : ''
    let nxtline = (line(.) < line($))? getline(line(.)+1) : ''
    let curindent= substitute(curline,\^([\s]*).{-}$','\1','')
    let indentm1 = substitute(curindent,\^\[|\ ]\s','','')

    call Decho("prvline <".prvline."> #".line(.)-1)
    call Decho("curline <".curline."> #".line(.)")
    call Decho("nxtline <".nxtline."> #".line(.)+1)
    call Decho("curindent<".curindent."">")
    call Decho("indentm1 <".indentm1."">")

    if curline !~ '/$'
        call Decho("regfile")
        if     a:dir == '\[' && prvline != ''
            norm! 0
            let nl = search('^'.indentm1.'[^\[|\ ]','bWe')  -- search backwards from regular file
            call Decho("regfile srch back ind: ".nl)
        elseif a:dir == '\]' && nxtline != ''
            norm! $
            let nl = search('^'.indentm1.'[^\[|\ ]','We')  -- search forwards from regular file
            call Decho("regfile srch fwd ind: ".nl)
        endif
    elseif a:dir == '\[' && prvline != ''
        norm! 0
        let curline= line(.)
        let nl     = search('^'.curindent.'[^\[|\ ]','bWe')  -- search backwards From directory, same indentation
        call Decho("dir srch back ind: ".nl)
        if nl != 0
            if line(' .') == curline-1
                let nl= search('^'.indentm1.'[^\[|\ ]','bWe')  -- search backwards from directory, indentation - 1
                call Decho("dir srch back ind-1: ".nl)
            endif
        endif
    elseif a:dir == '\]' && nxtline != ''
        norm! $
        let curline = line(.)
        let nl      = search('^'.curindent.'[^\[|\ ]','We')  -- search forwards from directory, same indentation
        call Decho("dir srch fwd ind: ".nl)
        if nl != 0
            if line(' .') == curline+1
                let nl= search('^'.indentm1.'[^\[|\ ]','We')  -- search forwards from directory, indentation - 1
                call Decho("dir srch fwd ind-1: ".nl)
            endif
        endif
    else
        norm! $
endif
endif
endif

" call Dret("s:TreeListMove")
endfun

" ---------------------------------------------------------------------
" s:UpdateBuffersMenu: does emenu Buffers.Refresh (but due to locale, the menu item may not be called that) {{}{
" The Buffers.Refresh menu calls s:BMShow(); unfortunately, that means that that function
" can't be called except via emenu. But due to locale, that menu line may not be called
" Buffers.Refresh; hence, s:NetrwBMShow() utilizes a "cheat" to call that function anyway.

fun! s:UpdateBuffersMenu()
" call Dfunc("s:UpdateBuffersMenu()")
if has("gui") && has("menu") && has("gui_running") && &go =~ 'm'
  try
    silent emenu Buffers.Refresh\ menu
    catch /^Vim\%(\w\+\)%:\=E/
      let v:errmsg= ""
      silent call s:NetrwBMShow()
    endtry
  endif
" call Dret("s:UpdateBuffersMenu")
endfun

" ---------------------------------------------------------------------
" s:UseBufWinVars: (used by NetrwBrowse() and LocalBrowseCheck() {{}{
" Matching function to BufferWinVars()

fun! s:UseBufWinVars()
" call Dfunc("s:UseBufWinVars()")
if exists("b:netrw_liststyle")       && !exists("w:netrw_liststyle")      |let w:netrw_liststyle       = b:netrw_liststyle
  endif
if exists("b:netrw_bannercnt")       && !exists("w:netrw_bannercnt")      |let w:netrw_bannercnt       = b:netrw_bannercnt
  endif
if exists("b:netrw_method")          && !exists("w:netrw_method")         |let w:netrw_method          = b:netrw_method
  endif
if exists("b:netrw_prvdir")          && !exists("w:netrw_prvdir")         |let w:netrw_prvdir          = b:netrw_prvdir
  endif
if exists("b:netrw_explore_indx")    && !exists("w:netrw_explore_indx")   |let w:netrw_explore_indx    = b:netrw_explore_indx
  endif
if exists("b:netrw_explore_listlen") && !exists("w:netrw_explore_listlen")|let w:netrw_explore_listlen = b:netrw_explore_listlen
  endif
if exists("b:netrw_explore_mtchcnt") && !exists("w:netrw_explore_mtchcnt")|let w:netrw_explore_mtchcnt = b:netrw_explore_mtchcnt
  endif
if exists("b:netrw_explore_bufnr")   && !exists("w:netrw_explore_bufnr")  |let w:netrw_explore_bufnr   = b:netrw_explore_bufnr
  endif
if exists("b:netrw_explore_line")    && !exists("w:netrw_explore_line")   |let w:netrw_explore_line    =
b:netrw_explore_line | endif
if exists("b:netrw_explore_list") && !exists("w:netrw_explore_list") | let w:netrw_explore_list = b:netrw_explore_list | endif
" call Dret("s:UseBufWinVars")
endfun

" ---------------------------------------------------------------------
" s:WinPath: {{2
fun! s:WinPath(path)
" call Dfunc("s:WinPath(path<".a:path.">)")
if 'g:netrw_cygwin' && (has("win32") || has("win95") || has("win64") || has("win16"))
" remove trailing slash (Win95)
let path = substitute(a:path, '\\|/\$', '', 'g')
" remove escaped spaces
let path = substitute(path, '\', ' ', 'g')
" convert slashes to backslashes
let path = substitute(path, '/', '\', 'g')
else
let path= a:path
endif
" call Dret("s:WinPath <".path.">")
return path
endfun

" ---------------------------------------------------------------------
" Settings Restoration: {{2
let &cpo= s:keepcpo
unlet s:keepcpo

" " Modelines: {{1
" vim:ts=8 fdm=marker
en_US
20040623 release.
--
This dictionary is based on a subset of the original
English wordlist created by Kevin Atkinson for Pspell
and Aspell and thus is covered by his original
LGPL license. The affix file is a heavily modified
version of the original english.aff file which was
released as part of Geoff Kuenning's Ispell and as
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Thanks to both authors for there wonderful work.

===================================================
en_AU:
This dictionary was based on the en_GB Myspell dictionary
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original English wordlist created by Kevin Atkinson for
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The credit for this en_AU dictionary goes to:

Kelvin Eldridge (maintainer)
Jean Hollis Weber
David Wilson

- Words incorrect in Australian English removed
- a list from the previously removed words with corrected spelling was added
- a list of major rivers was added
- a list of place names was added
- a list of Australian mammals was added
- a list of Aboriginal/Koori words commonly used was added

A total of 119,267 words are now recognized
by the dictionary.

Of course, special thanks go to the editors of the
en_GB dictionary (David Bartlett, Brian Kelk and
Andrew Brown) which provided the starting point
for this dictionary.

The affix file is currently a duplicate of the en_AU.aff
created completely from scratch by David Bartlett and
Andrew Brown, based on the published
rules for MySpell and is also provided under the LGPL.

If you find omissions or bugs or have new words to
add to the dictionary, please contact the en_AU
maintainer at:

"Kelvin" <audictionary@onlineconnections.com.au>

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

en_CA:
The dictionary file was created using the “final” English and Canadian SCOWL (Spell Checker Oriented Word
Lists) wordlists available at Kevin's Word Lists Page (http://wordlist.sourceforge.net). Lists with the suffixes 10, 20,
35, 50, 65 and 65 were used. Lists with the suffixes 70, 80 and 95 were excluded. Copyright information for
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The affix file is identical to the MySpell English (United States) affix file. It is a heavily modified version of the
original english.aff file which was released as part of Geoff Kuenning's Ispell and as such is covered by his BSD license.

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Alan Beale <biljir@pobox.com> also deserves special credit as he has, in addition to providing the 12Dicts package and being a major contributor to the ENABLE word list, given me an incredible amount of feedback and created a number of special lists (those found in the Supplement) in order to help improve the overall quality of SCOWL.

The 10 level includes the 1000 most common English words (according to the Moby (TM) Words II [MWords] package), a subset of the 1000 most common words on the Internet (again, according to Moby Words II), and frequently class 16 from Brian Kelk's "UK English Wordlist with Frequency Classification".

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Grady Ward
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Arcata, CA 95521-4884
The "UK English Wordlist With Frequency Classification" is also in the Public Domain:

Date: Sat, 08 Jul 2000 20:27:21 +0100
From: Brian Kelk <Brian.Kelk@cl.cam.ac.uk>

> I was wondering what the copyright status of your "UK English Wordlist With Frequency Classification" word list as it seems to be lacking any copyright notice.

There were many many sources in total, but any text marked "copyright" was avoided. Locally-written documentation was one source. An earlier version of the list resided in a filespace called PUBLIC on the University mainframe, because it was considered public domain.

Date: Tue, 11 Jul 2000 19:31:34 +0100

> So are you saying your word list is also in the public domain?

That is the intention.

The 20 level includes frequency classes 7-15 from Brian's word list.

The 35 level includes frequency classes 2-6 and words appearing in at least 11 of 12 dictionaries as indicated in the 12Dicts package. All words from the 12Dicts package have had likely inflections added via my inflection database.

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The 50 level includes Brian's frequency class 1, words words appearing in at least 5 of 12 of the dictionaries as indicated in the 12Dicts package, and uppercase words in at least 4 of the previous 12 dictionaries. A decent number of proper names is also included: The top 1000 male, female, and Last names from the 1990 Census report; a list of names sent to me by Alan Beale; and a few names that I added myself. Finally a small list of abbreviations not commonly found in other word lists is included.

The name files form the Census report is a government document which I don't think can be copyrighted.

The name list from Alan Beale is also derived from the linux words list, which is derived from the DEC list. He also added a bunch of miscellaneous names to the list, which he released to the Public Domain.

The DEC Word list doesn't have a formal name. It is labeled as "FILE: english.words; VERSION: DEC-SRC-92-04-05" and was put together by Jorge Stolfi <stolfi@src.dec.com> DEC Systems Research Center. The DEC Word list has the following copyright statement:

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The 60 level includes Brian's frequency class 0 and all words appearing in at least 2 of the 12 dictionaries as indicated by the 12Dicts package. A large number of names are also included: The 4,946 female names and 3,897 male names from the MWords package and the files "computer.names", "misc.names", and "org.names" from the DEC package.

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The 80 level includes the ENABLE word list, all the lists in the ENABLE supplement package (except for ABLE), the "UK Advanced Cryptics Dictionary" (UKACD), the list of signature words in from YAWL package, and the 10,196 places list from the MWords package.

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There are no other restrictions: I would like to see the list distributed as widely as possible.

The 95 level includes the 354,984 single words and 256,772 compound words from the MWords package, ABLE.LST from the ENABLE Supplement, and some additional words found in my part-of-speech database that were not found anywhere else.

Accent information was taken from UKACD.

My VARCON package was used to create the American, British, and Canadian word list.

Since the original word lists used in the VARCON package came from the Ispell distribution they are under the Ispell copyright.

The variant word lists were created from a list of variants found in the 12dicts supplement package as well as a list of variants I created myself.
en_GB:
This dictionary was initially based on a subset of the original English wordlist created by Kevin Atkinson for Pspell and Aspell and thus is covered by his original LGPL licence.

It has been extensively updated by David Bartlett, Brian Kelk and Andrew Brown:
- numerous Americanism have been removed
- numerous American spellings have been corrected
- missing words have been added
- many errors have been corrected
- compound hyphenated words have been added where appropriate

Valuable inputs to this process were received from many other people - far too numerous to name. Serious thanks to you all for your greatly appreciated help.

This word list is intended to be a good representation of current modern British English and thus it should be a good basis for Commonwealth English in most countries of the world outside North America.

The affix file has been created completely from scratch by David Bartlett and Andrew Brown, based on the published rules for MySpell and is also provided under the LGPL.

In creating the affix rules an attempt has been made to reproduce the most general rules for English word formation, rather than merely use it as a means to compress the size of the dictionary. It is hoped that this will facilitate future localisation to other variants of English.

Please let David Bartlett <dwb@openoffice.org> know of any errors that you find.

The current release is R 1.18, 11/04/05

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en_NZ:
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This dictionary is based on the en_GB Myspell dictionary
which in turn was initially based on a subset of the
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Introduction
~~~~~~~~~~~~
en_NZ.dic has been altered to include New Zealand places,
including major cities and towns, and major suburbs. It
also contains NZ words, organisations and expressions.

en_NZ.aff has had a few REPlace strings added, but is
basically unchanged.

Acknowledgements
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Thanks must go to the original creators of the British
dictionary, David Bartlett, Brian Kelk and Andrew Brown.

I wouldn't have started this without seeing the Australian
dictionary, thanks Kelvin Eldridge, Jean Hollis Weber and
David Wilson.

And thank you to all who've contributed to OpenOffice.org.

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Issues
~~~~~~~
Many of the proper nouns already in the dictionary do not have
an affix for ‘s.
All my new words start after the z's of the original dictionary.

Contact

Contact Tristan Burtenshaw (hooty@slingshot.co.nz) with any words, places or other suggestions for the dictionary.

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That's all there is to it!
1.361 xorg-x11-font-utils 7.2 :11.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.)

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

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

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

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

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

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

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

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

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

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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1.369 zip 3.0 :1.el6
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1.370 zlib 1.2.3 :29.el6

1.370.1 Available under license :

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.3, July 18th, 2005

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

*/

'zlib' general purpose compression library version 1.1.4, March 11th, 2002

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