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```

```
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Thus, it is not the intent of this section to claim rights or contest

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```
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```

```
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```

```
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Lesser General Public License for more details.
```

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```

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That's all there is to it!

This package was debianized by Nathan Scott nathans@debian.org on Tue, 26 Feb 2002 13:25:26 +1100

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1.3 **alsa-lib 1.0.22 :3.el6**

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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
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```

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necessary. Here is a sample; alter the names:

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

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

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
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1.7 Async.js 0.2.9

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1.8 atmel-firmware 1.3 :7.el6

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1.10 attr_libattr 2.4.44 :7.el6

1.10.1 Available under license :

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1.11 audit 2.2 :2.e16

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From mikel@ora.com Tue Aug 1 12:13:20 1995

Flags: 10

Return-Path: mikel@ora.com

Received: from ruby.ora.com (ruby.ora.com [198.112.208.25]) by odin.INS.CWRU.Edu with ESMTP (8.6.12+cwru/CWRU-2.1-ins)

id MAA01565; Tue, 1 Aug 1995 12:13:18 -0400 (from mikel@ora.com for <chet@odin.INS.CWRU.Edu>)

Received: (from fax@localhost) by ruby.ora.com (8.6.12/8.6.11) with UUCP id MAA23251; Tue, 1 Aug 1995 12:07:51 -0400

Received: by los.ora.com (4.1/Spike-2.1)

id AA00672; Tue, 1 Aug 95 08:57:32 EDT

Date: Tue, 1 Aug 95 08:57:32 EDT

From: mikel@ora.com (Michael Loukides)

Message-Id: <9508011257.AA00672@los.ora.com>

Subject: Re: Ksh debugger from Rosenblatt's book [for bash]

To: Chet Ramey <chet@odin.INS.CWRU.Edu>

Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com

In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

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

That's great!

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

From friedman@cli.com Thu May 25 12:19:06 1995

Flags: 10

Return-Path: friedman@cli.com

Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)

id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)

Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)

id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)

Received: from tepui.cli.com by cli.com (4.1/SMI-4.1)

id AA27213; Thu, 25 May 95 11:18:25 CDT

Received: by tepui.cli.com (4.1) id AA16031; Thu, 25 May 95 11:18:23 CDT

Message-Id: <9505251618.AA16031@tepui.cli.com>

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. :-)

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

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

John

On May 9, 1:36pm, Chet Ramey wrote:
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)


```
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
}
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
} the FSF.
}
} I picked up a tar file of ksh scripts you wrote from an anon FTP site
} a while back. I'd like your permission to include modified versions
} of some of them in the next major bash distribution (with proper credit
} given, of course). Is it OK if I do that?
}
} Chet Ramey
}
} --
} ``The lyf so short, the craft so long to lerne." - Chaucer
}
} Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu
}-- End of excerpt from Chet Ramey
```

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1.15 binutils 2.20.51.0.2 :5.36.e16

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[applies only to hppa*-*-pro* targets]

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(34) - Jon Beniston (only lm32-* targets)

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1.16 boom 0.4.2

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1.17 boost 1.53.0

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1.18 bzip2 1.0.5 :7.el6_0

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.5 of 10 December 2007

1.19 c-ares19 1.9.1 :(18 Jun 2012)

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# 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
# from scratch. It can only install one file at a time, a restriction
# shared with many OS's install programs.
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1.20 ca-certificates 2013.1.95 :65.1.el6_5

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1.21 cairo 1.8.8 :3.1.e16

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1.28 coreutils 8.4 :2010-01-13 Jim Meyering

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```
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```

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1.30 cracklib 2.8.16 :4.e16

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

That's all there is to it!
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It was downloaded from <http://sourceforge.net/projects/cracklib>

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Modifications: Added cronjob, configuration file, and man pages.

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

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

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

[Cracklib-devel] cracklib license

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

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
r=20

GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

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

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:15 PM

> To: cracklib-devel@li...

> Subject: [Cracklib-devel] cracklib license

>=20

> looks like 2.8.11 is out and marked as "GPL-2" ... releasing

> libraries under

> GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists

> -mike

Re: [Cracklib-devel] cracklib license

From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

Attachments: Message as HTML

On Monday 01 October 2007, Neulinger, Nathan wrote:

> I understand that, and you're welcome to bring it up with Alec directly

> and see if he wants to relicense his code as LGPL... but at this point,

> it was enough to just get it consistent and documented as to what it was

> released under. This wasn't actually a license change, just a

> clarification of the licensing that was already in place.

the original license (before moving to sourceforge -- aka, 2.7) was not=20

GPL-2 ... it was a modified artistic license ... i didnt notice the license=

=20

change until it was mentioned in the latest notes.

unlike the old license, GPL-2 prevents people from using cracklib unless th=

eir=20

applications are also GPL-2 which imo is just wrong. it isnt the place of =
a=20
library to dictact to application writes what license they should be using.=
=20
thus LGPL-2.1 enters to fill this void.
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46

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

-- Nathan

=20

Nathan Neulinger EMail: nneul@um...

University of Missouri - Rolla Phone: (573) 341-6679

UMR Information Technology Fax: (573) 341-4216

> -----Original Message-----

> From: cracklib-devel-bounces@li...

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

> Mike Frysinger

> Sent: Monday, October 01, 2007 8:33 PM

> To: Neulinger, Nathan

> Cc: cracklib-devel@li...; Alec Muffett

> Subject: Re: [Cracklib-devel] cracklib license

>=20

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Re: [Cracklib-devel] cracklib license

From: Nalin Dahyabhai <nalin@re...> - 2008-01-28 16:32

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Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML

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From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.

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

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

From alecm@crypticide.com Mon Oct 1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
To: Nathan Neulinger <nneul@neulinger.org>
X-Mailer: Apple Mail (2.752.2)

X-Originating-Rutherford-IP: [82.68.43.14]
Return-Path: alecm@crypticide.com
X-OriginalArrivalTime: 01 Oct 2007 17:26:03.0008 (UTC) FILETIME=[2420C000:01C80450]
Status: RO
Content-Length: 585
Lines: 21

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

The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

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

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

[Cracklib-devel] cracklib license

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

Attachments: Message as HTML

looks like 2.8.11 is out and marked as "GPL-2" ... releasing libraries unde=
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GPL-2 is not desirable at all ... this is why the LGPL-2.1 exists
=2Dmike

Re: [Cracklib-devel] cracklib license

From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:18

I understand that, and you're welcome to bring it up with Alec directly and see if he wants to relicense his code as LGPL... but at this point, it was enough to just get it consistent and documented as to what it was released under. This wasn't actually a license change, just a clarification of the licensing that was already in place.=20

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

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> Sent: Monday, October 01, 2007 8:15 PM

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Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
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Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id 191Gxtpr020623
for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 1IcOcX-0004Qt-6L
for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
<EC90713277D2BE41B7110CCD74E235CEF44F38@UMR-CMAIL1.umr.edu>
<1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
Content-Type: text/plain; charset=US-ASCII; delsp=yes; format=flowed
Message-Id: <117A1264-F6DC-4E25-B0DD-56FBFE6E9F@crypticide.com>
Content-Transfer-Encoding: 7bit
From: Alec Muffett <alecm@crypticide.com>
Subject: Re: cracklib license
Date: Mon, 1 Oct 2007 17:59:46 +0100
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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

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The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

1.31 cronie 1.4.4 :2010-02-17 Marcela Maláňová

1.31.1 Available under license :

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*

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*

*/

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*

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*

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*

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* OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF
* SUCH DAMAGE.
*
* @(#)bitstring.h 8.1 (Berkeley) 7/19/93
*/

1.32 cronie_anacron 1.4.4 :12.el6

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/*

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1.36 curl 7.25.0

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=====

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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.

MIT Kerberos <http://web.mit.edu/kerberos/www/dist/>

(May be used for GSS support) MIT licensed, that shouldn't collide with any other parts.

Heimdal <http://www.pdc.kth.se/heimdal/>

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fbopenssl

(Used for SPNEGO support) Unclear license. Based on its name, I assume that it uses the OpenSSL license and thus shares the same issues as described for OpenSSL above.

libidn <http://josefsson.org/libidn/>

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1.37 curl 7.19.7 :37.el6_4

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1.38 cyrus-sasl 2.1.23 :13.el6_3.1

1.38.1 Notifications :

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* Tim Martin
* Rob Earhart
* Rob Siemborski
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/*

* Termios command line History and Editing for NetBSD sh (ash)

* Copyright (c) 1999

* Main code: Adam Rogoyski <rogoyski@cs.utexas.edu>

* Etc: Dave Cinege <dcinege@psychosis.com>

*

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*

* v 0.5 19990328 Initial release

*

* Future plans: Simple file and path name completion. (like BASH)

*

*/

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Version 2, June 1991

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```
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```
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```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.40 dash - mksignames.c 0.5.5.1 :4.e16

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1.41 Data Mapper for Jackson 1.8.6

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<http://svn.jackson.codehaus.org/browse/jackson/trunk/README.txt?hb=true>

== Jackson Json-processor ==

This is the Jackson Json-processor package. Project home page can be found
from:

<http://jackson.codehaus.org/>

which also has links to support forums such as mailing lists, as well
as links to obtain source code and binary artifacts.

=== Functionality ===

Jackson implements functionality for:

- * Reading (parsing) and writing (generation) of Json content
- * Data-binding (data-mapping, [de-]serialization) support to allow for converting between Json and Java objects
- * Support for converting to/from other data formats and access APIs, to improve interoperability.

=== Requirements ===

Jackson can be used on standard J2SE 1.5 platform. Some effort is made to support other non-standard platforms as well.

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1.43 db4 4.7.25 :(May 15, 2008)

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/*-  
 * $Id: LICENSE,v 12.9 2008/02/07 17:12:17 mark Exp $  
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1.44 dbus 1.2.24 :7.el6_3

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1.45 dbus-glib 0.86 :Mar 24 2010 Colin Walters

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1.47 dhcp_script 4.1.1 :17 May 2010

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```
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```
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```

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

```
Ty Coon, President of Vice
```

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1.49 dnsjava 2.1.4

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1.50 dozer 5.3.2

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1.52 e2fsprogs 1.41.12 :(May 17, 2010)

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Theodore Ts'o
23-June-2007

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```
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```
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1.55 ethtool 3.5 :Aug 17 2004 Jeff Garzik

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```
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```

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```
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```

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

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1.58 file 5.04 :15.el6

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*/


```
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#                                     #  
#           vasprintf                 #  
#                                     #  
#           Copyright (c) 2002-2005 David TAILLANDIER           #  
#                                     #  
#####*/  
  
/*
```

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=====

Hacked from xnprintf version of 26th February 2005 to provide only vasprintf by Reuben Thomas <rrt@sc3d.org>.

=====

1.59 findutils 4.4.2 :6.el6

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Version 3, 29 June 2007

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1.63 fontconfig 2.8.0 :3.el6

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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1.65 gamin 0.1.10 :9.el6

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Because of this blurred distinction, using the ordinary General

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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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<signature of Ty Coon>, 1 April 1990
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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.
/*
```

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```
*/
```

1.66 gawk 3.1.7 :10.el6

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Version 3, 29 June 2007

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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```

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```
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```

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

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

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

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"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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1.67 gcc 4.4.7 :2012-03-13 Release Manager

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```
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```

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```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
```

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

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

That's all there is to it!

GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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1.68 gdbm 1.8.0 :36.el6

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Version 2, June 1991

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```

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

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

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

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libtool - Provide generalized library-building support services.

```
# Generated automatically by $PROGRAM - GNU $PACKAGE $VERSION
```

```
# NOTE: Changes made to this file will be lost: look at ltconfig or ltmain.sh.
```

```
#
```

```
# Copyright (C) 1996-1998 Free Software Foundation, Inc.
```

```
# Gordon Matzigkeit <gord@gnu.ai.mit.edu>, 1996
```

```

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#
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# configuration script generated by Autoconf, you may include it under
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# This program was configured as follows,
# 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" \
# $0$ltconfig_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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# suitability of this software for any purpose. It is provided "as is"
# without express or implied warranty.
#
# Calling this script install-sh is preferred over install.sh, to prevent
# `make' implicit rules from creating a file called install from it
# when there is no Makefile.
#

```



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

1.69 giflib 4.1.6 :3.1.e16

1.69.1 Available under license :

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1.70 glib 2.27.1

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Version 2, June 1991

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

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

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

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

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

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

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

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

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

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

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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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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.
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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.

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

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

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

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

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

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

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That's all there is to it!

1.71 glib2 2.26.1 :Nov 14 2010 Matthias Clasen

1.71.1 Available under license :

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1.72 glibc 2.12 :2010-05-03 Ulrich Drepper

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Version 3, 29 June 2007

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THE GNU MP LIBRARY

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.

Local variables:
mode: text
fill-column: 78
End:

1.75 gnupg2 2.0.14 :2009-12-21 Werner Koch

1.75.1 Available under license :

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Version 3, 29 June 2007

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1.77 grep 2.6.3 :2010-04-02 Jim Meyering

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* snprintf.c - a portable implementation of snprintf
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

That's all there is to it!

/* GStreamer

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*

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*/

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However, this file may contain errors and omissions. Some dependant libraries change their licensing from version-to-version and some of the libraries listed here as LGPL were under the GPL license in older releases. Distributions which include GStreamer are responsible for ensuring that plugins are used in accordance with licensing terms and other laws.

GStreamer is developed under the terms of the LGPL (see LICENSE file for details).

Some of our plugins however rely on libraries which are available under other licenses. This means that if you are using an application which has a non-GPL compatible license, for instance a closed-source application with GStreamer you have to make sure not to use GPL linked or derived plugins. When using

GPL linked plugins GStreamer is for all practical reasons under the GPL itself.

The plugins which use a GPL library are as follows:

a52dec	liba52	(http://liba52.sourceforge.net/)
aasink	aalib	(http://sourceforge.net/projects/aa-project/)
cdparanoia	libcdparanoia	(http://www.xiph.org/paranoia/)
dtsdec	libdts	(http://www.videolan.org/dtsdec.html)
dvdnavsrc	libdvdnav	(http://dvd.sourceforge.net/)
dxr3		(http://dxr3.sourceforge.net/)
icecastsend	libshout	(http://www.icecast.org)
mad	libmad	(http://www.mars.org/home/rob/proj/mpeg/)
mpeg2dec	libmpeg2	(http://libmpeg2.sourceforge.net/)
mpeg2enc	libmpeg2enc	(http://mjpeg.sourceforge.net/)
mplex	libmplex	(http://mjpeg.sourceforge.net/)
siddec	libsidplay 1.36	(http://www.geocities.com/SiliconValley/Lakes/5147/sidplay/ , http://sourceforge.net/projects/sidplay2/)
trm	libmusicbrainz	(http://www.musicbrainz.org/)
xine	libxine	(http://xinehq.de/)
xvid	libxvidcore	(http://www.xvid.org/)

Plugins derived from GPL code are as follows:

dvdreadsrc	libdvdread	(http://www.dtek.chalmers.se/groups/dvd/)
monoscope	None	(Algorithm by Ralph Loader, Joerg Walter, Richard Boulton, and Andy Lo A Foe)
rtjpeg	None	(Erik Walthinsen's algorithm)
rtp	None	(http://www.linphone.org/ortp/)
synaesthesia		(http://www.logarithmic.net/pfh/synaesthesia)
system_encode	None	(Algorithm by Chrisoph Moar, Wim Tayman's and Erik Walthinsen)
vbidec	None	(Algorithm by Billy Biggs, Doug Bell, Erik Walthinsen and David I. Lehn)

Plugins which use a LGPL library are as follows:

alsa	alsa	(http://alsa-project.org/)
artsdsink	aRts	(http://arts-project.org/)
cacasink	libcaca	(http://sam.zoy.org/projects/libcaca/)
colorspaceles	libcolorspace	
dvdec	libdv	(http://libdv.sourceforge.net/)
esdmon,esdsink	libesd	(ftp.gnome.org/pub/GNOME/stable/sources/esound/)
faac	libfaac	(http://www.audiocoding.com/modules/mydownloads/)
fameenc	libfame	(http://fame.sourceforge.net/)
ffmpeg	ffmpeg	(http://ffmpeg.sourceforge.net/)
gdkpixbuf	GTK+	(http://www.gtk.org/)
gnomevfs	gnome-vfs	(ftp.gnome.org/pub/GNOME/stable/sources/gnome-vfs/)
gst_arts	aRts	(http://arts-project.org/)

gst1394 libraw1394 (<http://www.linux1394.org/>)
 gstaf libaudiofile (<http://www.68k.org/~michael/audiofile/>)
 gstsfb libsndfile (<http://www.mega-nerd.com/libsndfile/>)
 hermescolorspace Hermes (<http://www.clanlib.org/hermes/>)
 kio KDE (<http://www.kde.org/>)
 ladspa (<http://www.ladspa.org/>)
 lame libbmp3lame (<http://lame.sourceforge.net/>)
 libvisual libvisual (<http://libvisual.sourceforge.net/>)
 matroska (<http://www.matroska.org/>)
 mikmod libmikmod (<http://mikmod.raphnet.net/>)
 ossaudio (<http://www.opensound.com/>)
 qcamsrc
 rfbenc librfb
 sdlvideosink libsdl (<http://www.libsdl.org/>)
 shout2send libshout2 (<http://www.icecast.org>)
 smoothwave
 swfdec (<http://swfdec.sourceforge.net/>)
 tarkin (<http://svn.xiph.org/trunk/tarkin/>)
 textoverlay pango (<http://www.pango.org/>)
 dirac (<http://www.bbc.co.uk/rd/projects/dirac/>)
 effectv (Our ports was relicensed)(<http://effectv.sourceforge.net/>)
 musepack (<http://www.musepack.net/>)
 kate libtiger (<http://libtiger.googlecode.com/>)
 Optional, only for the tiger element

Plugins which use a BSD covered library are as follows:

ogg libogg/libvorbis (<http://www.xiph.org/ogg/vorbis/>)
 vorbis libogg/libvorbis (<http://www.xiph.org/ogg/vorbis/>)
 gsttheora libtheora (<http://www.theora.org/>)
 speex (<http://www.speex.org/>)
 flac libFLAC (<http://flac.sourceforge.net/>)
 kate libkate (<http://libkate.googlecode.com/>)

Plugins based on libraries with other free licenses:

ximagesink libXv
 xvimagesink libXv
 - license: MIT X11 / X Consortium license

 gsm libgsm
 - license MIT license <http://kbs.cs.tu-berlin.de/~jutta/toast.html>

 festival (<http://www.cstr.ed.ac.uk/projects/festival/>)
 - license: <http://www.cstr.ed.ac.uk/projects/festival/freecopyright.shtml>

 jpeg (<http://www.ijg.org/>)
 - license: IJG license

nas (<http://radscan.com/nas.html>)

- license: NAS license

snapshot libpng (<http://www.libpng.org/pub/png/>)

- license: PNG license

mngdec/mngenc libmng (<http://gjuyn.xs4all.nl/libmng>)

- license PNG license

Plugins using non-free libraries:

divxdec, divxenc (<http://www.divx.com/>)

osxaudio (<http://www.apple.com/macosx/>)

sunaudiosink (<http://www.sun.com/>)

Unsure:

faad libfaad (<http://www.audiocoding.com/>)

faad's license depends on its major version :

- for FAAD1 : it is LGPL

- for FAAD2 : it is GPL

look at these pages for more information on licenses :

<http://www.audiocoding.com/modules/wiki/?page=FAAD2>

<http://www.audiocoding.com/modules/wiki/?page=FAAC>

by default, GStreamer faad plugin would compile against FAAD2 if available.

it falls back to FAAD1 if not.

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gststreamer/gst-plugins-bad/gst/mpegpsmux/mpegpsmux_aac.h
gststreamer/gst-plugins-bad/gst/mpegpsmux/mpegpsmux_h264.c
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gststreamer/gst-plugins-bad/gst/mpegtsmux/tsmux/tsmuxcommon.h
gststreamer/gst-plugins-bad/gst/mpegtsmux/tsmux/tsmuxstream.c
gststreamer/gst-plugins-bad/gst/mpegtsmux/tsmux/tsmuxstream.h

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

Preamble

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

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

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

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

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

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

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

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

However, unrestricted linking of non-free programs would deprive the

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

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

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

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

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

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

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

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from

such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in

themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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

5. A program that contains no derivative of any portion of the

Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under

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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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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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Appendix: How to Apply These Terms to Your New Libraries

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

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1.85 gstreamer-plugins-good 0.10.30.1

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

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

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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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- 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.
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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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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.

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

That's all there is to it!

This is a demuxer supporting a subset of the Quicktime video container format developed by Apple. Apple and others have some patents on some features of the Quicktime container format in regards to technologies such as QuicktimeVR and RTP hinting. Due to that be aware that if ever such features are added to this demuxer it would need to be moved to the -ugly module or those features need to come as add-in functionality stored in another module.

As the plugin is as of today's date (19th of June 2007) it does not violate any software patents we know of.

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The plugins which use a GPL library are as follows:

a52dec	liba52	(http://liba52.sourceforge.net/)
aasink	aalib	(http://sourceforge.net/projects/aa-project/)
cdparanoia	libcdparanoia	(http://www.xiph.org/paranoia/)
dtsdec	libdts	(http://www.videolan.org/dtsdec.html)
dvdnavsrc	libdvdnav	(http://dvd.sourceforge.net/)
dxr3		(http://dxr3.sourceforge.net/)
icecastsend	libshout	(http://www.icecast.org)
mad	libmad	(http://www.mars.org/home/rob/proj/mpeg/)
mpeg2dec	libmpeg2	(http://libmpeg2.sourceforge.net/)
mpeg2enc	libmpeg2enc	(http://mjpeg.sourceforge.net/)
mplex	libmplex	(http://mjpeg.sourceforge.net/)
siddec	libsidplay 1.36	(http://www.geocities.com/SiliconValley/Lakes/5147/sidplay/ , http://sourceforge.net/projects/sidplay2/)
trm	libmusicbrainz	(http://www.musicbrainz.org/)
xine	libxine	(http://xinehq.de/)
xvid	libxvidcore	(http://www.xvid.org/)

Plugins derived from GPL code are as follows:

dvdreadsrc	libdvdread	(http://www.dtek.chalmers.se/groups/dvd/)
jack	libjack	(http://jackit.sourceforge.net/)
		Note libjack is LGPL, but plugin is GPL.
monoscope	None	(Algorithm by Ralph Loader, Joerg Walter, Richard Boulton, and Andy Lo A Foe)
rtjpeg	None	(Erik Walthinsen's algorithm)

rtp	None	(http://www.linphone.org/ortp/)
synaesthesia		(http://www.logarithmic.net/pfh/synaesthesia)
system_encode	None	(Algorithm by Chrisoph Moar, Wim Tayman's and Erik Walthinsen)
vbidec	None	(Algorithm by Billy Biggs, Doug Bell, Erik Walthinsen and David I. Lehn)

Plugins which use a LGPL library are as follows:

alsa	alsa	(http://alsa-project.org/)
artsdsink	aRts	(http://arts-project.org/)
cacasink	libcaca	(http://sam.zoy.org/projects/libcaca/)
colorspacecs	libcolorspace	
dvdec	libdv	(http://libdv.sourceforge.net/)
esdmon,esdsink	libesd	(ftp.gnome.org/pub/GNOME/stable/sources/esound/)
faac	libfaac	(http://www.audiocoding.com/modules/mydownloads/)
fameenc	libfame	(http://fame.sourceforge.net/)
ffmpeg	ffmpeg	(http://ffmpeg.sourceforge.net/)
gdkpixbuf	GTK+	(http://www.gtk.org/)
gnomevfs	gnome-vfs	(ftp.gnome.org/pub/GNOME/stable/sources/gnome-vfs/)
gst_arts	aRts	(http://arts-project.org/)
gst1394	libraw1394	(http://www.linux1394.org/)
gstaf	libaudiofile	(http://www.68k.org/~michael/audiofile/)
gstsf	libsndfile	(http://www.mega-nerd.com/libsndfile/)
hermescolorspace	Hermes	(http://www.clanlib.org/hermes/)
kio	KDE	(http://www.kde.org/)
ladspa		(http://www.ladspa.org/)
lame	libmp3lame	(http://lame.sourceforge.net/)
libvisual	libvisual	(http://libvisual.sourceforge.net/)
matroska		(http://www.matroska.org/)
mikmod	libmikmod	(http://mikmod.raphnet.net/)
ossaudio		(http://www.opensound.com/)
qcamsrc		
rfbenc	librfb	
sdlvideosink	libsdl	(http://www.libsdl.org/)
shout2send	libshout2	(http://www.icecast.org)
smoothwave		
swfdec		(http://swfdec.sourceforge.net/)
tarkin		(http://svn.xiph.org/trunk/tarkin/)
textoverlay	pango	(http://www.pango.org/)
dirac		(http://www.bbc.co.uk/rd/projects/dirac/)
effectv	(Our ports was relicensed)	(http://effectv.sourceforge.net/)
musepack		(http://www.musepack.net/)

Plugins which use a BSD covered library are as follows:

ogg	libogg/libvorbis	(http://www.xiph.org/ogg/vorbis/)
vorbis	libogg/libvorbis	(http://www.xiph.org/ogg/vorbis/)

gsttheora libtheora (<http://www.theora.org/>)
speex (<http://www.speex.org/>)
flac libFLAC (<http://flac.sourceforge.net/>)

Plugins based on libraries with other free licenses:

ximagesink libXv
xvimagesink libXv
- license: MIT X11 / X Consortium license

gsm libgsm
- license MIT license <http://kbs.cs.tu-berlin.de/~jutta/toast.html>

festival (<http://www.cstr.ed.ac.uk/projects/festival/>)
- license: <http://www.cstr.ed.ac.uk/projects/festival/freecopyright.shtml>

jpeg (<http://www.ijg.org/>)
- license: IJG license

nas (<http://radscan.com/nas.html>)
- license: NAS license

snapshot libpng (<http://www.libpng.org/pub/png/>)
- license: PNG license

mngdec/mngenc libmng (<http://gjuyn.xs4all.nl/libmng>)
- license PNG license

Plugins using non-free libraries:

divxdec, divxenc (<http://www.divx.com/>)
osxaudio (<http://www.apple.com/macosx/>)
sunaudiosink (<http://www.sun.com/>)

Unsure:

faad libfaad (<http://www.audiocoding.com/>)

faad's license depends on its major version :

- for FAAD1 : it is LGPL
- for FAAD2 : it is GPL

look at these pages for more information on licenses :

<http://www.audiocoding.com/modules/wiki/?page=FAAD2>

<http://www.audiocoding.com/modules/wiki/?page=FAAC>

by default, GStreamer faad plugin would compile against FAAD2 if available.
it falls back to FAAD1 if not.

1.86 gzip 1.3.12 :19.el6_4

1.86.1 Available under license :

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Version 2, June 1991

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1.88 http-parser 2.0

:4.20121128gitcd01361.e16

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originally by Matt Wilson <[mws@redhat.com](mailto:mw@redhat.com)>

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1.93 icu 4.2.1 :9.1.el6_2

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1.94 incron 0.5.9 :2009-06-21

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```

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1.96 iproute 2.6.32 :31.el6

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1.97 iptables 1.4.7 :11.el6

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1.98 iputils 20071127 :17.el6_4.2

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1.104 jackson-databind 2.1.1

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1.105 jackson-mapper-asl 1.9.2

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/* Jackson JSON-processor.

*

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1.9.2

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== Jackson Json-processor ==

This is the Jackson Json-processor package. Project home page can be found from:

<http://jackson.codehaus.org/>

which also has links to support forums such as mailing lists, as well as links to obtain source code and binary artifacts.

==== Functionality ====

Jackson implements functionality for:

- * Reading (parsing) and writing (generation) of Json content
- * Data-binding (data-mapping, [de-]serialization) support to allow for converting between Json and Java objects
- * Support for converting to/from other data formats and access APIs, to improve interoperability.

==== Requirements ====

Jackson can be used on standard J2SE 1.5 platform. Some effort is made to support other non-standard platforms as well.

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*/
package com.sun.jersey.server.impl;
```

```
import java.io.InputStream;
import java.util.Properties;
```

```
/**
 *
 * @author Paul.Sandoz@Sun.Com
 */
public final class BuildId {
    private static String buildId = _initiateBuildId();
```

```
    private static String _initiateBuildId() {
        String id = "Jersey";

        final InputStream in = getInputStream();
        if (in != null) {
            try {
                Properties p = new Properties();
                p.load(in);
                String _id = p.getProperty("Build-Id");
                if (_id != null)
                    id = id + ": " + _id;
            } catch (Exception e){
                // Ignore
            } finally {
                close(in);
            }
        }
        return id;
    }
}
```

```
    private static void close(InputStream in) {
        try {
            in.close();
        } catch (Exception ex) {
            // Ignore
        }
    }
}
```

```
    private static InputStream getInputStream() {
        try {
            return BuildId.class.getResourceAsStream("build.properties");
        } catch (Exception ex) {
```

```

        return null;
    }
}

public static final String getBuildId() {
    return buildId;
}
}

```

1.121 jersey-json 1.16

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```

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```
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```

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```
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```

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

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

Ty Coon, President of Vice

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Version 2.1, February 1999

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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

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any

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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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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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1.132 krb5 1.10.3 :15.el6_5.1

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

lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

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

include/iprof_hdr.h
kadmin/server/iprofd_svc.c
lib/kdb/iprof.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
slave/kproplog.c

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1.135 libasyns 0.8 :1.1.e16

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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```

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1.136 libcap 2.16 :5.5.e16

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received the program in object code or executable form with such an offer, in accord with Subsection b above.)

The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a 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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```
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under certain conditions; type `show c' for details.
```

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

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

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```

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

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

That's all there is to it!

1.138 libdrm 2.4.45 :2.e16

1.138.1 Available under license :

```
/* xf86drmHash.c -- Small hash table support for integer -> integer mapping
* Created: Sun Apr 18 09:35:45 1999 by faith@precisioninsight.com
*
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1.139 libedit 2.11 :4.20080712cvs.1.el6

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

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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 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.

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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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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

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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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1.147 libjpeg-turbo 1.2.1 :3.el6_5

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DOCUMENTATION ROADMAP

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This file contains the following sections:

OVERVIEW General description of JPEG and the IJG software.
LEGAL ISSUES Copyright, lack of warranty, terms of distribution.
REFERENCES Where to learn more about JPEG.
ARCHIVE LOCATIONS Where to find newer versions of this software.
FILE FORMAT WARS Software *not* to get.

TO DO Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.txt How to configure and install the IJG software.
usage.txt Usage instructions for cjpeg, djpeg, jpegtran,
 rdjpgcom, and wrjpgcom.
*.1 Unix-style man pages for programs (same info as usage.txt).
wizard.txt Advanced usage instructions for JPEG wizards only.
change.log Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.txt How to use the JPEG library in your own programs.
example.c Sample code for calling the JPEG library.
structure.txt Overview of the JPEG library's internal structure.
filelist.txt Road map of IJG files.
coderrules.txt Coding style rules --- please read if you contribute code.

Please read at least the files install.txt and usage.txt. Some information can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

OVERVIEW

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This package contains C software to implement JPEG image encoding, decoding, and transcoding. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG's strong suit is compressing photographic images or other types of images that have smooth color and brightness transitions between neighboring pixels. Images with sharp lines or other abrupt features may not compress well with JPEG, and a higher JPEG quality may have to be used to avoid visible compression artifacts with such images.

JPEG is lossy, meaning that the output pixels are not necessarily identical to the input pixels. However, on photographic content and other "smooth" images, very good compression ratios can be obtained with no visible compression artifacts, and extremely high compression ratios are possible if you are willing to sacrifice image quality (by reducing the "quality" setting in the compressor.)

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these

processes, although some uncommon parameter settings aren't implemented yet. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application.

We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltmain.sh). Another support script, install-sh, is copyright by X Consortium but is also freely distributable.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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REFERENCES

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We recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <http://www.ijg.org/files/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best currently available description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2).

The original JPEG standard is divided into two parts, Part 1 being the actual

specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document numbers ISO/IEC IS 10918-2, ITU-T T.83.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. JFIF 1.02 has been adopted as an Ecma International Technical Report and thus received a formal publication status. It is available as a free download in PDF format from

<http://www.ecma-international.org/publications/techreports/E-TR-098.htm>.

A PostScript version of the JFIF document is available at

<http://www.ijg.org/files/jfif.ps.gz>. There is also a plain text version at

<http://www.ijg.org/files/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <http://www.ijg.org/files/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note.

ARCHIVE LOCATIONS

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The "official" archive site for this software is www.ijg.org.

The most recent released version can always be found there in directory "files". This particular version will be archived as

<http://www.ijg.org/files/jpegsrc.v8d.tar.gz>, and in Windows-compatible

"zip" archive format as <http://www.ijg.org/files/jpegsr8d.zip>.

The JPEG FAQ (Frequently Asked Questions) article is a source of some general information about JPEG.

It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/>

and other news.answers archive sites, including the official news.answers

archive at rtfm.mit.edu: <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

FILE FORMAT WARS

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The ISO JPEG standards committee actually promotes different formats like "JPEG 2000" or "JPEG XR", which are incompatible with original DCT-based JPEG. IJG therefore does not support these formats (see REFERENCES). Indeed, one of the original reasons for developing this free software was to help force convergence on common, interoperable format standards for JPEG files. Don't use an incompatible file format!
(In any case, our decoder will remain capable of reading existing JPEG image files indefinitely.)

TO DO

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Please send bug reports, offers of help, etc. to jpeg-info@jpegclub.org.

1.148 libnih 1.0.1 :7.e16

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```

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```
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1.153 libsemanage 2.0.43 :4.2.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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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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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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1.155 libSM 1.2.1 :Jan 11 2012 Matt Dew

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

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

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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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- 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

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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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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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ltmmain.sh - Provide generalized library-building support services.

NOTE: Changing this file will not affect anything until you rerun configure.

#

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Originally by Gordon Matzigkeit <gord@gnu.ai.mit.edu>, 1996

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1.160 libuser 0.56.13 :5.e16

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

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

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

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The

former contains code derived from the library, while the latter only works together with the library.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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1.161 libutempter 1.1.5 :4.1.e16

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1.164 libX11 1.5.0 :Jun 1 2012 Alan

Coopersmith

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1.165 libXau 1.0.6 :Jul 19 2010 Julien Cristau

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1.166 libxcb 1.8.1 :1.e16

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1.167 libXext 1.3.1 :Sep 28 2011 Alan Coopersmith

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1.168 libXfont 1.4.5 :Oct 21 2011 Alan

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/* lib/font/fontfile/gunzip.c

written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996.

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1.170 libxml2 2.9.1

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/*

* hash.c: chained hash tables

*

* Reference: Your favorite introductory book on algorithms

*

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*
* Author: breese@users.sourceforge.net
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* list.c: lists handling implementation
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1.171 libxml2 2.7.6 :Jul 10 2009 Daniel Veillard

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1.172 libxml2-2.7.7 2.7.7

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1.173 libXrender 0.9.7 :Jan 2 2012 Emanuele Giaquinta

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1.174 libXtst 1.2.1 :Nov 10 2011 Alan Coopersmith

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1.175 log4cxx 0.10.0

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```
<one line to give the program's name and a brief idea of what it does.>  
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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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```
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```

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

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1.177 Is of 4.82 :4.el6

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1.178 lua 5.1.4 :4.1.e16

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```

1.179 m4 1.4.13 :5.el6

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Version 3, 29 June 2007

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

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

Gnomovision version 69, Copyright (C) year name of author

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type ``show w'`. This is free software, and you are welcome to redistribute it under certain conditions; type ``show c'` for details.

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

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

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

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

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1.181 make 3.81 :20.el6

1.181.1 Available under license :

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Version 2, June 1991

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Preamble

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

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

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

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Foundation, Inc., 59 Temple Place - Suite 330, Boston, MA 02111-1307, USA.

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

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

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

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

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

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

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

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

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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.

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

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

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

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

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

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

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

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

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

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

3. You may opt to apply the terms of the ordinary GNU General Public

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

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

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

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

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

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

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

If such an object file uses only numerical parameters, data

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

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

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

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

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

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

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

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

materials or that you have already sent this user a copy.

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

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

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

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

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```
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```

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1.185 mobicents-jain-sip-tomcat 2.0.0 :2011-10-26

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- web-common_3_0.xsd
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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
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JAIN(TM) Session Initiation Protocol ("SIP") Specification
("Specification")

Version: 1.0

Status: FCS

Specification Lead: Dynamicsoft ("Specification Lead")

Release: May 25, 2001

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1.186 module-init-tools 3.9 :21.el6_4

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1.188 MongoDB 2.4.4

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Written by: Philip Hazel

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1.189 mysql-libs 5.1.73 :3.el6_5

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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.

```

1.191 net-tools 1.60 :110.el6_2

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```
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```

```
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1.192 node-connect 2.8.4

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1.193 node-formidable 1.0.14

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1.194 node-mime 1.2.9

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1.195 node-mkdirp 0.3.5

1.195.1 Available under license :

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1.196 nodejs 0.10.12 :2013.06.18

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""""

- C-Ares, an asynchronous DNS client, located at deps/cares. C-Ares license

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"""
```

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```
"""
```

- OpenSSL located at `deps/openssl`. OpenSSL is cryptographic software written by Eric Young (`eay@cryptsoft.com`) to provide SSL/TLS encryption. OpenSSL's license follows:

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"""
```

- HTTP Parser, located at `deps/http_parser`. HTTP Parser's license follows:

```
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```

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```

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""
```

- tools/gyp. GYP is a meta-build system. GYP's license follows:

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""

- Zlib at deps/zlib. zlib's license follows:

""

```
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```

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Jean-loup Gailly
Mark Adler

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

```
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the Free Software Foundation; either version 2 of the License, or  
(at your option) any later version.
```

```
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```


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

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

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

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1.203 ntp_libopts 4.2.6p5 :2011/12/24 Harlan Stenn

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1.210 OpenSSL 1.0.1c :2

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1.211 OpenSSL Patch for AES-GCM/CCM/CMAC 1.0

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

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/* Written by Dr Stephen N Henson (steve@openssl.org) for the OpenSSL
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* Modified by Attaullah Baig (abaig@paypal.com) to wrap/unwrap any
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Structure taken from pam_lastlogin by Andrew Morgan
<morgan@parc.power.net> 1996

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/*
```

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1.218 pciutils 3.1.10 :2.el6

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1.219 pcre 7.8 :6.el6

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

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1.220 perl 5.10.1 :136.el6

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1.221 perl-URI 1.40 :2.e16

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```
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```

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

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```
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at assemblers) written by James Hacker.
```

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

That's all there is to it!

1.222 pinentry 0.7.6 :6.e16

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```

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<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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

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

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

```
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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the  
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```

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

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

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

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

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

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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

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

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

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

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a

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

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

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2)

will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

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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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Included for the use of the fix_strcasecmp.c module which works around a Solaris problem.

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1.229 procps 3.2.8 :25.e16

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```
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```

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software

sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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(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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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.

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1.230 procps-libs 3.2.8 :25.e16

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1.231 psmisc 22.6 :2007-08-09 Craig Small

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1.233 pulseaudio 0.9.21 :14.el6_3

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-- Lennart Poettering, April 20th, 2006.

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

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1.235 python 2.6.6 :52.e16

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

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

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1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
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2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
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2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
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1.236 python-iniparse 0.3.1 :2.1.el6

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1.6.1	1.6	2001	CNRI	yes (2)
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2.0.1	2.0+1.6.1	2001	PSF	yes

2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
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1.237 python-pycurl 7.19.0 :8.el6

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1.239 python-urlgrabber 3.9.1 :9.e16

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```
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```
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```

```
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1.242 redhat-logos 60.0.14 :12.el6.centos

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while

preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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(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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That's all there is to it!

1.245 rpm-libs_lib 4.8.0 :Jan 8 2010 Panu Matilainen

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along with this program; if not, write to the Free Software
Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.

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

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

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

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

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

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

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

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library. If this is what you want to do, use the GNU Library General
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Version 2, June 1991

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

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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.

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

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

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

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

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

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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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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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- 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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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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<one line to give the library's name and a brief idea of what it does.>

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

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

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

1.246 rsyslog 5.8.10 :[V5-stable] 2012-04-05

1.246.1 Available under license :

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Version 3, 29 June 2007

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

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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.

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

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

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6. Conveying Non-Source Forms.

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1.253 slf4j-api 1.7.2

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1.254 slf4j-log4j12 1.7.2

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1.255 sntp 0.2.4

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1.256 spin.js 1.3.3

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1.257 Streaming API for XML 1.0-2

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1.258 sudo 1.8.6p3 :2012-09-17 Todd C. Miller

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   version 1.2.6, January 29th, 2012
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jloup@gzip.org madler@alumni.caltech.edu

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

```
*/
```

1.259 sysstat 9.0.4 :22.e16

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```

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```
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```

<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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1.260 system-config-firewall 1.2.27 :5.e16

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1.263 tcl 8.5.7 :6.e16

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1.264 tcp_wrappers 7.6 :57.el6

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v8BeBE0bdjeVmOQYRQfXgt3J2q0b8x8Q5a/LCLVLh8k6DFGg8AfEbLDQWhi1JiXC
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1.265 texinfo 4.13a :8.el6

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Version 3, 29 June 2007

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1.271 unboundid-ldapsdk 2.3.1

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```

```
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price. Our General Public Licenses are designed to make sure that you
have the freedom to distribute copies of free software (and charge for
this service if you wish), that you receive source code or can get it
if you want it, that you can change the software or use pieces of it
in new free programs; and that you know you can do these things.

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

For example, if you distribute copies of the library, whether gratis
or for a fee, you must give the recipients all the rights that we gave
you. You must make sure that they, too, receive or can get the source

code. If you link a program with the library, you must provide complete object files to the recipients so that they can relink them with the library, after making changes to the library and recompiling it. And you must show them these terms so they know their rights.

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

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

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

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

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

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

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while

preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

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

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

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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.

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

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

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based

on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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

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

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

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

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

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

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

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

therefore falls outside the scope of this License.

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

Section 6 states terms for distribution of such executables.

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

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

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

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

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

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the

user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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

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

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

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

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

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

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

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

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

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

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

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

That's all there is to it!

1.276 ustr 1.0.4 :9.1.e16

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Version 2.1, February 1999

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Preamble

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

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

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

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

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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.

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

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

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

software only, so we use the Lesser General Public License.

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

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

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

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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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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

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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.

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

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1.278 v8 3.14.5.10 :2012-10-22

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1.279 vim 7.2.411 :1.8.el6

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```

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type 'show c' for details.
```

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


<signature of Ty Coon>, 1 April 1989

Ty Coon, President of Vice

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=====
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-enabled 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 M\$.

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'.
2. Close Visual Studio.
3. Delete VisVim.dll or move it somewhere it can't be found.
4. Run Visual Studio.
5. Tools -> Cursomize ->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

uganda *Uganda* *copying* *copyright* *license*

SUMMARY

iccf *ICCF*

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<http://iccf-holland.org/>

<http://www.vim.org/iccf/>

<http://www.iccf.nl/>

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=====
Kibaale Children's Centre *kcc* *Kibaale* *charity*

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 indispensable 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: *iccf-donations*

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:

https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q

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

Finsterruetihof 1

8134 Adliswil

Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:ft=help:norl:

" 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"))
  \ && exists("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)\=$'
  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_ctags")
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_browse_reject")
let g:netrw_ftp_browse_reject='^total\s\+\d\+\$\|^Trying\s\+\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_ignorenetr")
if &shell =~ '\c\<\%(cmd\|4nt\)\.exe$'
let g:netrw_ignorenetr= 1
else
let g:netrw_ignorenetr= 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_scppport")
let g:netrw_scppport= "-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]$,\.h$,\.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)
" 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<" :a:vt."> win#" .winnr(). " buf#" .bufnr("%"))
if !exists("{a:vt}netrw_optionsave")
" call Decho("ro=" .&l:ro. " ma=" .&l:ma. " mod=" .&l:mod. " wrap=" .&l:wrap)
" 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)
endif
catch /^Vim\%((\a+)\)=:E472/
call netrw#ErrorMsg(s:ERROR,"unable to change directory to <" .curdir."> (permissions?)",61)
endtry
endif
endif
endif
endif

```

```

if exists("{a:vt}netrw_aikeep") |let &l:ai = {a:vt}netrw_aikeep |unlet {a:vt}netrw_aikeep |endif
if exists("{a:vt}netrw_awkeep") |let &l:aw = {a:vt}netrw_awkeep |unlet {a:vt}netrw_awkeep |endif
if exists("{a:vt}netrw_cikeep") |let &l:ci = {a:vt}netrw_cikeep |unlet {a:vt}netrw_cikeep |endif
if exists("{a:vt}netrw_cinkeep") |let &l:cin = {a:vt}netrw_cinkeep |unlet {a:vt}netrw_cinkeep |endif
if exists("{a:vt}netrw_cinokeep") |let &l:cino = {a:vt}netrw_cinokeep |unlet {a:vt}netrw_cinokeep |endif
if exists("{a:vt}netrw_comkeep") |let &l:com = {a:vt}netrw_comkeep |unlet {a:vt}netrw_comkeep |endif
if exists("{a:vt}netrw_cpokeep") |let &l:cpo = {a:vt}netrw_cpokeep |unlet {a:vt}netrw_cpokeep |endif
if exists("{a:vt}netrw_dirkeep") && isdirectory({a:vt}netrw_dirkeep) && g:netrw_keeptdir
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 |endif
if exists("{a:vt}netrw_gdkeep") |let &l:gd = {a:vt}netrw_gdkeep |unlet {a:vt}netrw_gdkeep |endif
if exists("{a:vt}netrw_hidkeep") |let &l:hidden = {a:vt}netrw_hidkeep |unlet {a:vt}netrw_hidkeep |endif
if exists("{a:vt}netrw_magic") |let &l:magic = {a:vt}netrw_magic |unlet {a:vt}netrw_magic |endif
if exists("{a:vt}netrw_repkeep") |let &l:report = {a:vt}netrw_repkeep |unlet {a:vt}netrw_repkeep |endif
if exists("{a:vt}netrw_spellkeep")|let &l:spell = {a:vt}netrw_spellkeep |unlet {a:vt}netrw_spellkeep|endif
if exists("{a:vt}netrw_twkeep") |let &l:tw = {a:vt}netrw_twkeep |unlet {a:vt}netrw_twkeep |endif
if exists("{a:vt}netrw_wigkeep") |let &l:wig = {a:vt}netrw_wigkeep |unlet {a:vt}netrw_wigkeep |endif
if exists("s:yykeep") |let @@ = s:yykeep |unlet s:yykeep |endif
if exists("{a:vt}netrw_swfkeep")
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_keeptdir="g:netrw_keeptdir.": getcwd<".getcwd()."> acd=".&acd)
" call Decho("fo=".&fo.(exists("&acd")? " acd=".&acd : " acd doesn't exist"))
" call Decho("ro=".&l:ro." 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

" -----
" 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
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 {{{2
" 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)

" save options {{{3
call s:NetrwOptionSave("w:")
call s:NetrwSafeOptions()

" interpret mode into a readcmd {{{3
if a:mode == 0 " read remote file before current line
  let readcmd = "Or"
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 icoice = (a:0 == 0)? 0 : 1
" call Decho("readcmd<".readcmd."> icoice=".icoice)

" Get Temporary Filename {{{3
let tmpfile= s:GetTempfile("")
if tmpfile == ""
" call Dret("netrw#NetRead : unable to get a tempfile!")
return
endif

while icoice <= 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 icoice= icoice + 1

else
exe "let choice= a:" . icoice
" 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 "machine id password path"  uses ftp'
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/path    uses http wget'
echomsg ':Nread rcp://[user@]machine/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
    if ichoice > a:0
      if !exists("g:netrw_quiet")
        call netrw#ErrorMsg(s:ERROR,"Unbalanced string in filename ". wholechoice . """,3)
      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) {{{3
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 =~ "^.*[V]$" && b:netrw_method != 5 && choice !~ '^http://'
" call Decho("yes, choice matches '^.*[V]$"")
keepjumps call s:NetrwBrowse(0,choice)
" call Dret("netrw#NetRead :3 getcwd<".getcwd().">")
return
endif

" =====
" Perform Protocol-Based Read {{{3
" =====
if exists("g:netrw_silent") && g:netrw_silent == 0 && &ch >= 1
  echo "(netrw) Processing your read request..."

```

```

endif

".....
" rcp: NetRead Method #1 {{{3
if b:netrw_method == 1 " read with rcp
" call Decho("read via rcp (method #1)")
" ER: nothing done with g:netrw_uid yet?
" ER: on Win2K" rcp machine[.user]:file tmpfile
" ER: if machine contains '!' adding .user is required (use $USERNAME)
" ER: the tmpfile is full path: rcp sees C:\... as host C
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
" Any way needed it machine contains a '!'
let uid_machine = g:netrw_machine . '!'. $USERNAME
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_rcpmode . "
" . shellescape(uid_machine . ":" . b:netrw_fname, 1) . " " . shellescape(tmpfile, 1))
exe s:netrw_silentxfer . "!" . g:netrw_rcp_cmd . " " . s:netrw_rcpmode . "
" . 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("$")))
if exists("g:netrw_ftpextrcmd")
put =g:netrw_ftpextrcmd
" call Decho("filter input: ".getline(line("$")))
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." ".g:netrw_port,1)
else
"    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) !~ "^$" && !exists("g:netrw_quiet") && getline(1) !~ '^Trying '
let debugkeep = &debug
setlocal debug=msg
call netrw#ErrorMsg(s:ERROR,getline(1),4)
let &debug = debugkeep
endif
call s:SaveBufVars()
bd!
if bufname("%") == "" && getline("$") == "" && line('$') == 1
" needed when one sources a file in a nolbl setting window via ftp
q!
endif
call s:RestoreBufVars()
let result = s:NetrwGetFile(readcmd, tmpfile, b:netrw_method)
let b:netrw_lastfile = choice

".....
" 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
"    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

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 ='get \'".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 " read with scp
"   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_xcmd")
" 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)."
" ".g:netrw_http_xcmd." ".shellescape(tmpfile,1)
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('<\s*a\s*name=\s*"' .netrw_tag.'"')
exe 'norm! lG/<\s*a\s*name=\s*"' .netrw_tag.'"\'."<CR>'
endif
let b:netrw_lastfile = choice
setlocal ro

".....
" dav: NetRead Method #6 {{{3
elseif 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_dav_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.' '.g:netrw_port
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

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```

" 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)

" option handling
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
endif

if a:0 == 0
let ichoice = 0
else
let ichoice = 1
endif

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)

```

```

elseif g:netrw_cygwin
  " write (selected portion of) file to temporary
  let cygtmpfile= substitute(tmpfile,'cygdrive/\(.\)',\1:;")
  " call Decho("(write selected portion) silent exe ".a:firstline.", " . a:lastline . "w! ".fnameescape(v:cmdarg)."
  ".fnameescape(cygtmpfile))
  silent exe a:firstline.", " . a:lastline . "w! ".fnameescape(v:cmdarg)." ".fnameescape(cygtmpfile)
else
  " write (selected portion of) file to temporary
  " call Decho("(write selected portion) silent exe ".a:firstline.", " . a:lastline . "w! ".fnameescape(v:cmdarg)."
  ".fnameescape(tmpfile))
  silent exe a:firstline.", " . a:lastline . "w! ".fnameescape(v:cmdarg)." ".fnameescape(tmpfile)
endif

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.
  Ofile!
endif

" While choice loop: {{{3
while icoice <= 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 icoice= icoice + 1
  else
  exe "let choice= a:" . icoice

  " 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 icoice    = icoice + 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:{icoice}
endwhile
let choice= strpart(wholechoice,1,strlen(wholechoice)-1) . " " . strpart(choice,0,strlen(choice)-1)
endif
endif
endif
let icoice= icoice + 1
" call Decho("choice<" . choice . "> icoice=".icoice)

" 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_machine .'.' $USERNAME
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_rcpmode." ".shellescape(tmpfile,1)."
".shellescape(uid_machine."b:netrw_fname,1))
exe s:netrw_silentxfer."!" g:netrw_rcp_cmd." "s:netrw_rcpmode." ".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)
bd!
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 ':Nsource rcp://[user@]machine/path          uses rcp'
echomsg ':Nsource rsync://machine[:port]/path        uses rsync'
echomsg ':Nsource scp://[user@]machine[[:#]port]/path uses scp'
echomsg ':Nsource 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.")")
call 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". {{{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)
"   call Dfunc("NetrwGetFile(readcmd<".a:readcmd.">,tfile<".a:tfile."> method<".a:method.">")

"   readcmd=='t': simply do nothing
if a:readcmd == 't'
"   call Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
"   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("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
" 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

" call Decho("readcmd<".a:readcmd."> cmdarg<".v:cmdarg."> tfile<".a:tfile."> readable=".s:FileReadable(a:tfile))

" make sure file is being displayed
" redraw!

" call Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
" call Dret("NetrwGetFile")
endfun

" -----
" s:NetrwMethod: determine method of transfer {{{2
" 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/filename         Use rcp
" rcphf  : [user@]host:filename              Use rcp
" scpurm : scp://[user@]host[[#:]port]/filename Use scp
" httpurm : http://[user@]host/filename       Use wget
" davurm : dav[s]://host[:port]/path          Use cadaver/curl
" rsyncurm : rsync://host[:port]/path         Use rsync
" fetchurm : fetch://[user@]host[:http]/filename Use fetch (defaults to ftp, override for http)
" sftpurm : sftp://[user@]host/filename       Use scp
let mipf   = '^(\S+)\s+(\S+)\s+(\S+)\s+(\S+)\s$'
let mf     = '^(\S+)\s+(\S+)\s$'
let ftpurm = '^ftp://\([^\@]\{-}\)\@)\=([^\#:]\{-}\)\([#:]d\+)\=^(.*)$'
let rcpurm = '^rcp://%\([^\@]\{-}\)\@)\=([^\]\{-}\)\^(.*)$'
let rcphf  = '^(\([h\w*\])@)\=([h\w*]):\([^\@]\{-}\)\$'
let scpurm = '^scp://\([^\#:]\+)\%([#:]([d\+])\)\=^(.*)$'
let httpurm = '^http://\([^\]\{-}\)\(/.*)\=^$'
let davurm = '^davs\=://\([^\]\{-}\)\^(.*)\([-_~[:alnum:]]\+)\$'
let rsyncurm = '^rsync://\([^\]\{-}\)\^(.*)\=^$'
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"
elseif match(a:choice,mf) == 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,mf,"\1',"")
let b:netrw_fname = substitute(a:choice,mf,"\2',"")

elseif s:FileReadable(expand("$HOME/.netrc"))
let b:netrw_method = 2
let g:netrw_machine = substitute(a:choice,mf,"\1',"")
let b:netrw_fname = substitute(a:choice,mf,"\2',"")
endif

" sftp://user@hostname/...path-to-file
elseif match(a:choice,sftpurm) == 0
" call Decho("sftp://...")
let b:netrw_method = 9
let g:netrw_machine= substitute(a:choice,sftpurm,"\1',"")
let b:netrw_fname = substitute(a:choice,sftpurm,"\2',"")

" Issue an rcp: hostname:filename" (this one should be last)
elseif match(a:choice,rcphf) == 0
" call Decho("(rcp) [user@]host:file) rcphf<"rcphf.">")

```



```

let b:netrw_method = 1
let userid      = substitute(a:choice,rcphf,'\2','')
let g:netrw_machine = substitute(a:choice,rcphf,'\3','')
let b:netrw_fname = substitute(a:choice,rcphf,'\4','')
" call Decho("\1<'.substitute(a:choice,rcphf,'\1','').">")
" call Decho("\2<'.substitute(a:choice,rcphf,'\2','').">")
" call Decho("\3<'.substitute(a:choice,rcphf,'\3','').">")
" call Decho("\4<'.substitute(a:choice,rcphf,'\4','').">")
if userid != ""
  let g:netrw_uid= userid
endif

else
  if !exists("g:netrw_quiet")
    call netrw#ErrorMsg(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,'[#:]\+',",")
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 Dret("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 Dret("NetReadFixup")
endfun
endif

" -----
" NetUserPass: set username and password for subsequent ftp transfer {{{2
" 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=".a:islocal.") b:netrw_curdir<" .b:netrw_curdir.">")
if a:islocal
" call Decho("make local maps")
nnoimap <buffer> <silent> <cr> :call
netrw#LocalBrowseCheck(<SID>NetrwBrowseChgDir(1,<SID>NetrwGetWord()))<cr>
nnoimap <buffer> <silent> - :exe "norm! 0"<bar>call
netrw#LocalBrowseCheck(<SID>NetrwBrowseChgDir(1,'./'))<cr>
nnoimap <buffer> <silent> a :call <SID>NetrwHide(1)<cr>
nnoimap <buffer> <silent> mb :<c-u>call <SID>NetrwBookHistHandler(0,b:netrw_curdir)<cr>
nnoimap <buffer> <silent> mc :<c-u>call <SID>NetrwMarkFileCopy(1)<cr>
nnoimap <buffer> <silent> md :<c-u>call <SID>NetrwMarkFileDiff(1)<cr>
nnoimap <buffer> <silent> me :<c-u>call <SID>NetrwMarkFileEdit(1)<cr>
nnoimap <buffer> <silent> mf :<c-u>call <SID>NetrwMarkFile(1,<SID>NetrwGetWord())<cr>
nnoimap <buffer> <silent> mg :<c-u>call <SID>NetrwMarkFileGrep(1)<cr>
nnoimap <buffer> <silent> mh :<c-u>call <SID>NetrwMarkHideSfx(1)<cr>
nnoimap <buffer> <silent> mm :<c-u>call <SID>NetrwMarkFileMove(1)<cr>
nnoimap <buffer> <silent> mp :<c-u>call <SID>NetrwMarkFilePrint(1)<cr>
nnoimap <buffer> <silent> mr :<c-u>call <SID>NetrwMarkFileRegexp(1)<cr>
nnoimap <buffer> <silent> ms :<c-u>call <SID>NetrwMarkFileSource(1)<cr>
nnoimap <buffer> <silent> mT :<c-u>call <SID>NetrwMarkFileTag(1)<cr>
nnoimap <buffer> <silent> mt :<c-u>call <SID>NetrwMarkFileTgt(1)<cr>
nnoimap <buffer> <silent> mu :<c-u>call <SID>NetrwUnMarkFile(1)<cr>
nnoimap <buffer> <silent> mx :<c-u>call <SID>NetrwMarkFileExe(1)<cr>
nnoimap <buffer> <silent> mz :<c-u>call <SID>NetrwMarkFileCompress(1)<cr>
nnoimap <buffer> <silent> gb :<c-u>call <SID>NetrwBookHistHandler(1,b:netrw_curdir)<cr>
nnoimap <buffer> <silent> gh :<c-u>call <SID>NetrwHidden(1)<cr>
nnoimap <buffer> <silent> c :exe "keepjumps lcd ".fnameescape(b:netrw_curdir)<cr>
nnoimap <buffer> <silent> C :let g:netrw_chgwin= winnr()<cr>
nnoimap <buffer> <silent> d :call <SID>NetrwMakeDir("")<cr>
nnoimap <buffer> <silent> i :call <SID>NetrwListStyle(1)<cr>
nnoimap <buffer> <silent> o :call <SID>NetrwSplit(3)<cr>
nnoimap <buffer> <silent> O :call <SID>NetrwObtain(1)<cr>
nnoimap <buffer> <silent> p :call
<SID>NetrwPreview(<SID>NetrwBrowseChgDir(1,<SID>NetrwGetWord(),1))<cr>
nnoimap <buffer> <silent> P :call <SID>NetrwPrevWinOpen(1)<cr>
nnoimap <buffer> <silent> qb :<c-u>call <SID>NetrwBookHistHandler(2,b:netrw_curdir)<cr>

```

```

nnooremap <buffer> <silent> mB :<c-u>call <SID>NetrwBookHistHandler(6,b:netrw_curdir)<cr>
nnooremap <buffer> <silent> qf :<c-u>call <SID>NetrwFileInfo(1,<SID>NetrwGetWord())<cr>
nnooremap <buffer> <silent> r :let g:netrw_sort_direction= (g:netrw_sort_direction =~ 'n')? 'r' : 'n'<bar>exe "norm!
0"<bar>call <SID>NetrwRefresh(1,<SID>NetrwBrowseChgDir(1,'./'))<cr>
nnooremap <buffer> <silent> s :call <SID>NetrwSortStyle(1)<cr>
nnooremap <buffer> <silent> S :call <SID>NetSortSequence(1)<cr>
nnooremap <buffer> <silent> t :call <SID>NetrwSplit(4)<cr>
nnooremap <buffer> <silent> u :<c-u>call <SID>NetrwBookHistHandler(4,expand("%"))<cr>
nnooremap <buffer> <silent> U :<c-u>call <SID>NetrwBookHistHandler(5,expand("%"))<cr>
nnooremap <buffer> <silent> v :call <SID>NetrwSplit(5)<cr>
nnooremap <buffer> <silent> x :call
netrw#NetrwBrowseX(<SID>NetrwBrowseChgDir(1,<SID>NetrwGetWord(),0,0)"<cr>
nnooremap <buffer> <silent> % :call <SID>NetrwOpenFile(1)<cr>
if !hasmapto('<Plug>NetrwHideEdit')
  nmap <buffer> <unique> <c-h> <Plug>NetrwHideEdit
endif
nnooremap <buffer> <silent> <Plug>NetrwHideEdit :call <SID>NetrwHideEdit(1)<cr>
if !hasmapto('<Plug>NetrwRefresh')
  nmap <buffer> <unique> <c-l> <Plug>NetrwRefresh
endif
nnooremap <buffer> <silent> <Plug>NetrwRefresh :call
<SID>NetrwRefresh(1,<SID>NetrwBrowseChgDir(1,'./'))<cr>
if s:didstarstar || !mapcheck("<s-down>","n")
  nnooremap <buffer> <silent> <s-down> :Nexplore<cr>
endif
if s:didstarstar || !mapcheck("<s-up>","n")
  nnooremap <buffer> <silent> <s-up> :Pexplore<cr>
endif
let mapsafecurdir = escape(b:netrw_curdir, s:netrw_map_escape)
if g:netrw_mousemaps == 1
  nnooremap <buffer> <silent> <leftmouse> <leftmouse>:call <SID>NetrwLeftmouse(1)<cr>
  nnooremap <buffer> <silent> <middlemouse> <leftmouse>:call <SID>NetrwPrevWinOpen(1)<cr>
  nnooremap <buffer> <silent> <s-leftmouse> <leftmouse>:call
<SID>NetrwMarkFile(1,<SID>NetrwGetWord())<cr>
  exe 'nnooremap <buffer> <silent> <rightmouse> <leftmouse>:call <SID>NetrwLocalRm(".mapsafecurdir.")<cr>'
  exe 'vnooremap <buffer> <silent> <rightmouse> <leftmouse>:call <SID>NetrwLocalRm(".mapsafecurdir.")<cr>'
endif
exe 'nnooremap <buffer> <silent> <del> :call <SID>NetrwLocalRm(".mapsafecurdir.")<cr>'
exe 'vnooremap <buffer> <silent> <del> :call <SID>NetrwLocalRm(".mapsafecurdir.")<cr>'
exe 'nnooremap <buffer> <silent> D :call <SID>NetrwLocalRm(".mapsafecurdir.")<cr>'
exe 'vnooremap <buffer> <silent> D :call <SID>NetrwLocalRm(".mapsafecurdir.")<cr>'
exe 'nnooremap <buffer> <silent> R :call <SID>NetrwLocalRename(".mapsafecurdir.")<cr>'
exe 'vnooremap <buffer> <silent> R :call <SID>NetrwLocalRename(".mapsafecurdir.")<cr>'
exe 'nnooremap <buffer> <silent> <Leader>m :call <SID>NetrwMakeDir("")<cr>'
nnooremap <buffer> <F1> :he 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>
nnoremap <buffer> <silent> - :exe "norm! 0"<bar>call
<SID>NetrwBrowse(0,<SID>NetrwBrowseChgDir(0,'./'))<cr>
nnoremap <buffer> <silent> a :call <SID>NetrwHide(0)<cr>
nnoremap <buffer> <silent> mb :<c-u>call <SID>NetrwBookHistHandler(0,b:netrw_curdir)<cr>
nnoremap <buffer> <silent> mc :<c-u>call <SID>NetrwMarkFileCopy(0)<cr>
nnoremap <buffer> <silent> md :<c-u>call <SID>NetrwMarkFileDiff(0)<cr>
nnoremap <buffer> <silent> me :<c-u>call <SID>NetrwMarkFileEdit(0)<cr>
nnoremap <buffer> <silent> mf :<c-u>call <SID>NetrwMarkFile(0,<SID>NetrwGetWord())<cr>
nnoremap <buffer> <silent> mg :<c-u>call <SID>NetrwMarkFileGrep(0)<cr>
nnoremap <buffer> <silent> mh :<c-u>call <SID>NetrwMarkHideSfx(0)<cr>
nnoremap <buffer> <silent> mm :<c-u>call <SID>NetrwMarkFileMove(0)<cr>
nnoremap <buffer> <silent> mp :<c-u>call <SID>NetrwMarkFilePrint(0)<cr>
nnoremap <buffer> <silent> mr :<c-u>call <SID>NetrwMarkFileRegexp(0)<cr>
nnoremap <buffer> <silent> ms :<c-u>call <SID>NetrwMarkFileSource(0)<cr>
nnoremap <buffer> <silent> mT :<c-u>call <SID>NetrwMarkFileTag(0)<cr>
nnoremap <buffer> <silent> mt :<c-u>call <SID>NetrwMarkFileTgt(0)<cr>
nnoremap <buffer> <silent> mu :<c-u>call <SID>NetrwUnMarkFile(0)<cr>
nnoremap <buffer> <silent> mx :<c-u>call <SID>NetrwMarkFileExe(0)<cr>
nnoremap <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))<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> r :let g:netrw_sort_direction= (g:netrw_sort_direction =~ 'n')? 'r' : 'n'<bar>exe "norm!
0"<bar>call <SID>NetrwBrowse(0,<SID>NetrwBrowseChgDir(0,'./'))<cr>
nnoremap <buffer> <silent> s :call <SID>NetrwSortStyle(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 :<c-u>call <SID>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> <s-leftmouse> <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>'
nnoremap <buffer> <F1> :he netrw-quickhelp<cr>
endif
call s:SetRexDir(a:islocal,b:netrw_curdir)
" call Dret("s:BrowserMaps")
endfun

" -----
" s:ExplorePatHls: converts an Explore pattern into a regular expression search pattern {{{2
fun! s:ExplorePatHls(pattern)
" call Dfunc("s:ExplorePatHls(pattern<"a:pattern.">)")
let repat= substitute(a:pattern, '^*.*\{1,2}', "", "")
" call Decho("repat<".repat.">")
let repat= escape(repat, '[.\|]')
" call Decho("repat<".repat.">")
let repat= '<' . substitute(repat, "\*", "\(\|S\|+ \|)\*\|S\|+", 'g') . '>'
" call Dret("s:ExplorePatHls repat<".repat.">")
return repat
endfun

" -----

```

```

" s:NetrwBookHistHandler: {{{2
" 0: (user: <mb>) bookmark current directory
" 1: (user: <gb>) change to the bookmarked directory
" 2: (user: <qb>) list bookmarks
" 3: (browsing) record current directory history
" 4: (user: <u>) go up (previous) bookmark
" 5: (user: <U>) go down (next) bookmark
" 6: (user: <mB>) delete bookmark
fun! s:NetrwBookHistHandler(chg,curdir)
" call Dfunc("NetrwBookHistHandler(chg=".a:chg." curdir<".a:curdir.">) cnt=".v:count."
histcnt=".g:netrw_dirhist_cnt." histmax=".g:netrw_dirhistmax)

if a:chg == 0
" bookmark the current directory
" call Decho("(user: <b>) bookmark the current directory")
if !exists("g:netrw_bookmarklist")
let g:netrw_bookmarklist= []
endif
if index(g:netrw_bookmarklist,a:curdir) == -1
" curdir not currently in g:netrw_bookmarklist, so include it
call add(g:netrw_bookmarklist,a:curdir)
call sort(g:netrw_bookmarklist)
endif
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 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
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("changelog 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
" call Decho("removed all lines from buffer (%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()
" call Dfunc("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

" 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 {{{2
" list of the contents of a local or remote directory. It is assumed that the
" g:netrw_list_cmd 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 Dfunc("s:NetrwBrowse(islocal=".a:islocal." dirname<".a:dirname.">) liststyle=".w:netrw_liststyle."
".g:loaded_netrw." buf#" .bufnr("%")."<".bufname("%").">")
" 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 !~ '[V]$\$' && 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,["*=@|]r\=$','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 Decho("exe silent! keepalt file ".fnameescape(s:method."/".s:user.s:machine."/".s:path)."(bt=".&bt.")")
exe "silent! keepalt file ".fnameescape(s:method."/".s:user.s:machine."/".s:path)
exe "silent keepalt doau BufReadPre ".fnameescape(s:fname)
silent call netrw#NetRead(2,s:method."/".s:user.s:machine."/".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 Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
" 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,['/\$',"','e')
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.">")

" -----
" (local only) {{{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 noma nomod nowrap
let b:netrw_curdir= dirname
" call Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
" call Dret("s:NetrwBrowse : reusing buffer#".(exists("bufnum")? bufnum : 'N/A')."<".dirname.">
getcwd<".getcwd().">")
return
endif
endtry

```

```

endif
endif

" -----
" remote handling: {{{3
" -----
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
" 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 !~ '/'
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\{+}@)=\([^\w\+]\)\(.*\)$'
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 Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
" 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 Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
" 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/lis")
if exists("b:netrw_curdir")
" call Decho('using ls with b:netrw_curdir<'.b:netrw_curdir.'>')
if b:netrw_curdir =~ '/'$
echo system("/bin/lis -lsad ".shellescape(b:netrw_curdir.a:fname))
else
echo system("/bin/lis -lsad ".shellescape(b:netrw_curdir."/".a:fname))
endif
else
" call Decho('using ls '.a:fname." using cwd<".getcwd().">")
echo system("/bin/lis -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(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 numnber 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<".escape(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("$")
  " call Decho(" findbuf2: buflast=".buflast)
  while ibuf <= buflast
    let bname= substitute(bufname(ibuf),'\|',',','g')
    let bname= substitute(bname,'\zs/$',",")
    " call Decho(" findbuf3: dirname<".dirname."> bufname(".ibuf.")<".bname.">")
    if bname != " && dirname =~ '/'.bname.'\^=$' | break | endif
    if bname =~ '^'.dirname.'\^=$' | break | endif
    if dirname =~ '^'.bname.'/$' | break | endif
    let ibuf= ibuf + 1
  endwhile
  if ibuf > buflast
    let bufnum= -1
  else
    let bufnum= ibuf
  endif
endif
" call Decho(" findbuf4: bufnum=".bufnum." (ibuf=".ibuf." buflast=".buflast.")")
endif
endif

" get anew buffer and name it -or- re-use buffer {{{3
" call Decho("--get anew buffer and name it OR re-use buffer-- (bufnum=".bufnum.")")
mark '
if bufnum < 0 || !bufexists(bufnum)
  call s:NetrwEnew(dirname)
" call Decho(" got anew buffer#".bufnr("%")." (altbuf<".expand("#").">")
" name the buffer
if exists("w:netrw_liststyle") && w:netrw_liststyle == s:TREELIST
  " Got anew buffer; transform into a NetrwTreeListing
" call Decho("--transform anew 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>
nnoremap <silent> <buffer> ] :silent call <SID>TreeListMove('')<cr>
nnoremap <silent> <buffer> [[ :silent call <SID>TreeListMove('')<cr>
nnoremap <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 anew buffer#".bufnr("%")."<".bufname("%").">")

else " Re-use the buffer
" call Decho("--re-use buffer#".bufnum." : --")
let eikp= &ei
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= eikp
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

" -----
" 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 !~ '[\V]$\$'
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_skipbrowse= 1
echo 'Pressing "s" also works'

elseif curline =~ "\s*Sort sequence:'
let s:netrw_skipbrowse= 1
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=" .virtcol(".") ."]/[b:netrw_cpf=" .b:netrw_cpf ."])*b:netrw_cpf=" .filestart."
bannercnt=".w:netrw_bannercnt)
" call Decho("1: dirname<" .dirname.">")
if filestart == 0
norm! 0ma
else
call cursor(line("."),filestart+1)
norm! ma
endif
let rega= @a
let eofname= filestart + b:netrw_cpf + 1
if eofname <= col("$")
call cursor(line("."),filestart+b:netrw_cpf+1)
norm! "ay'a
else
norm! "ay$
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")
"   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.''.cnt."mB"
    let cnt= cnt + 1
  endfor

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("Is!")
" 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,")
let dirname= substitute(dirname,/$',",")
else
let dirname= substitute(dirname,'^\([^:]*\)\(\[^\]\+/$)',\1,")
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,")
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= s:ComposePath(dirname,newdir)
" 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
" call Decho("setlocal ma nomod noro")
endif

" call Dret("s:NetrwBrowseChgDir <".dirname."> : curpos<".string(getpos(".")).">")
return dirname
endfun

" -----
" 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,'*\.\(\{-}\)',\1,'e')
if has("win32") || has("win95") || has("win64") || has("win16")
let exten= substitute(exten,'^.*$',\L&\E,")
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
" 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,'^\(.*\)\/\([^\.]*\)$',\2,")
let newname= substitute(s:netrw_tmpfile,'^\(.*\)\/\([^\.]*\)$',\1/'.basename.'\3,")
" 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 =~ 's'
let viewer = substitute(g:netrw_browsex_viewer,'s.*$',")
let viewopt = substitute(g:netrw_browsex_viewer,'^\S\|+s*$',")." "
let oviewer = "
let cnt = 1
while !executable(viewer) && viewer != oviewer
let viewer = substitute(g:netrw_browsex_viewer,'^\(\(^S\|+s\|+\)\{'.cnt.'\}S\|+\)\(.*\)$',\1,")

```



```

let viewopt = substitute(g:netrw_browse_viewer, '\(\(\^\S\+|s\+\)\{'.cnt.'\}\S\+\)(.*)$', '\3', '') "
let cnt = cnt + 1
let oviewer = viewer
" call Decho("!exe: viewer<".viewer."> viewopt<".viewopt.">")
endwhile
else
let viewer = g:netrw_browse_viewer
let viewopt = ""
endif
" call Decho("viewer<".viewer."> viewopt<".viewopt.">")
endif

" execute the file handler
if exists("g:netrw_browse_viewer") && g:netrw_browse_viewer == '!
" call Decho("g:netrw_browse_viewer<".g:netrw_browse_viewer.">")
let ret= netrwFileHandlers#Invoke(exten,fname)

elseif exists("g:netrw_browse_viewer") && executable(viewer)
" call Decho("g:netrw_browse_viewer<".g:netrw_browse_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
  exe "norm! \<c-o>"
"  redraw!
endif

" call Dret("NetrwBrowseX")
endfun

" -----
" netrw#Explore: launch the local browser in the directory of the current file {{{2
"   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 **/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!
"   == 2: Hexplore   style == 3: Hexplore!
"   == 4: Vexplore   style == 5: Vexplore!
"   == 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=".&modified." a:0=".a:0)
if !exists("b:netrw_curdir")
let b:netrw_curdir= getcwd()
" call Decho("set b:netrw_curdir<".b:netrw_curdir."> (used getcwd)")
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=".&modified." a: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 s:SaveBufVars()
" call Decho("style = 6: Texplore")
tabnew
call s:RestoreBufVars()
endif
call s:RestoreWinVars()
endif
norm! 0

if a:0 > 0
" call Decho("case [a:0="a:0."]>0: a:1<"a:1.">")
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("s:explore_match") |unlet s:explore_match |endif
if exists("s:explore_idx") |unlet s:explore_idx |endif
if exists("s:dirstarstar") |unlet s:dirstarstar |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")
" 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

```

```

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 < 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)."/*"
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] =~ \*\*V)
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')
" 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
" 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,'\<'.escape(fname,g:netrw_fname_escape).\>..',';")
let g:netrw_list_hide= substitute(g:netrw_list_hide,',,',';g')
let g:netrw_list_hide= substitute(g:netrw_list_hide,'^\|,|\$',';")
" 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.'\<'.escape(fname,g:netrw_fname_escape).\>'
    else
    let g:netrw_list_hide= '\<'.escape(fname,g:netrw_fname_escape).\>'
    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
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)
" call Dfunc("s:NetrwHidden()")
" save current position
let svpos= netrw#NetrwSavePosn()

if g:netrw_list_hide =~ \(^\|,)\|(\^\\|\\s\\s\\)\|zs\|.\|S\|+'
" remove pattern from hiding list
let g:netrw_list_hide= substitute(g:netrw_list_hide, \(^\|,)\|(\^\\|\\s\\s\\)\|zs\|.\|S\|+',";")
elseif strlen(g:netrw_list_hide) >= 1
let g:netrw_list_hide= g:netrw_list_hide . ', \(^\|s\|s\)\|zs\|.\|S\|+'
else
let g:netrw_list_hide= \(^\|s\|s\)\|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<".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()
" call Dfunc("NetrwListHide() hide="g:netrw_hide." listhide<"g:netrw_list_hide.">")

" 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 '/~...90'
" string. Use the first character left as a separator character.
let listhide= g:netrw_list_hide
let sep = strpart(substitute('/~@#$$%^&*{ } ; : , < . > ? | 1234567890', ['\.'escape(listhide, '-' ^ \).'], '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)

" 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) {{{2
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}\(.*\)$','\1',").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}<".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")
call s:NetrwUnmarkList(curbufnr,curdir)
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
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
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
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 2matching to netrwmarkfilemch list
if exists("s:netrwmarkfilemch_{curbufnr}") && s:netrwmarkfilemch_{curbufnr} != ""
" call Decho("exe 2match netrwMarkFile /".s:netrwmarkfilemch_{curbufnr}."/")
exe "2match netrwMarkFile /".s:netrwmarkfilemch_{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
"     do. By default:
"     g:netrw_compress    = "gzip"
"     g:netrw_decompress  = { ".gz" : "gunzip" , ".bz2" : "bunzip2" , ".zip" : "unzip" , ".tar" : "tar -
xf" }
fun! s:NetrwMarkFileCompress(islocal)
" 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
elseif 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:netrw_mftgt<".s:netrw_mftgt.">")
let curdir = b:netrw_curdir
let curbufnr = bufnr("%")

if a:islocal && s:netrw_mftgt_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:netrw_mftgt).")")
call system(s:WinPath(g:netrw_localcopycmd)." ".args." ".shellescape(s:netrw_mftgt))

elseif a:islocal && !s:netrw_mftgt_islocal
" Copy marked files, local directory to remote directory
" call Decho("copy from local to remote")
call s:NetrwUpload(s:netrwmarkfilelist_{bufnr('%')},s:netrw_mftgt)

elseif !a:islocal && s:netrw_mftgt_islocal
" call Decho("copy from remote to local")
call netrw#NetrwObtain(a:islocal,s:netrwmarkfilelist_{bufnr('%')},s:netrw_mftgt)

elseif !a:islocal && !s:netrw_mftgt_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:netrw_mftgt)
if getcwd() == tmpdir
for fname in s:netrwmarkfilelist_{bufnr('%')}
call s:NetrwDelete(fname)
endfor
exe "keepjumps lcd ".fnameescape(curdir)
exe "silent! !".g:netrw_local_rmdir." ".shellescape(tmpdir,1)
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:netrwmftgt_islocal
call s:NetrwRefreshDir(s:netrwmftgt_islocal,s:netrwmftgt)
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)
  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 {{{2
"           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
if v:shell_error < 0
call netrw#ErrorMsg(s:ERROR,"command<".xcmd."> failed, aborting",54)
break
else
echo ret
endif
endifor

" 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
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
endifor

" 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 svpos = netrw#NetrwSavePosn()
let curbufnr = bufnr("%")

if exists("s:netrwmarkfilelist")
" call Decho("s:netrwmarkfilelist".string(s:netrwmarkfilelist).">")
let netrwmarkfilelist= join(map(deepcopy(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("%')."<".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.">")

if a:islocal && s:netrwmtgt_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." ".shellescape(fname)." ".shellescape(s:netrwmtgt).)")")
let ret= system(g:netrw_localmovecmd." ".shellescape(fname)." ".shellescape(s:netrwmtgt))
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:netrwmtgt_islocal
  " move: local -> remote
" call Decho("move from local to remote")
" call Decho("copy")
let mflist= s:netrwmarkfilelist_{bufnr("%")}
call s:NetrwMarkFileCopy(a:islocal)
" call Decho("remove")
for fname in mflist
  let barefname = substitute(fname,'^\(.*\)\(.\{-}\)\$',\2,')
  let ok = s:NetrwLocalRmFile(b:netrw_curdir,barefname,1)
endfor
unlet mflist

elseif !a:islocal && s:netrwmtgt_islocal

```

```

" move: remote -> local
" call Decho("move from remote to local")
" call Decho("copy")
let mflist= s:netrwmarkfilelist_{bufnr("%")}
call s:NetrwMarkFileCopy(a:islocal)
" call Decho("remove")
for fname in mflist
let barefname = substitute(fname,'^(.*^)(\{-}\)$','\2,')
let ok      = s:NetrwRemoteRmFile(b:netrw_curdir,barefname,1)
endfor
unlet mflist

elseif !a:islocal && !s:netrwmtgt_islocal
" move: remote -> remote
" call Decho("move from remote to remote")
" call Decho("copy")
let mflist= s:netrwmarkfilelist_{bufnr("%")}
call s:NetrwMarkFileCopy(a:islocal)
" call Decho("remove")
for fname in mflist
let barefname = substitute(fname,'^(.*^)(\{-}\)$','\2,')
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:netrwmtgt_islocal
call s:NetrwRefreshDir(s:netrwmtgt_islocal,s:netrwmtgt)
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
q
endifor
2match none
endif
" call Dret("s:NetrwMarkFilePrint")
endfun

```

```

" -----
" s:NetrwMarkFileRegexp: (invoked by mr) This function is used to mark {{{2
"         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\(.*)$', '\1', 'e')
else
  let filename = filelist
  let filelist = ""
endif
" call Decho("filelist<".filelist.">")
" 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 eikp = &ei
let areg = @a
silent %y a
set ei=all ma
" call Decho("set ei=all ma")
1split
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.*$/e
elseif g:netrw_liststyle == s:WIDELIST
  silent %s\s\{2,\}/r/ge
elseif g:netrw_liststyle == s:TREELIST
  silent %s/^\|//e
  silent! g/^\.*$/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 {{{2
"       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
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:netrwmtgt : holds the target directory
" s:netrwmtgt_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:netrwmtgt")
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:netrw_mftgt= b:netrw_curdir
" call Decho("inbanner: s:netrw_mftgt<".s:netrw_mftgt.">")

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 tgt_dir = s:ComposePath(curdir,curword)
if a:islocal && isdirectory(tgt_dir)
let s:netrw_mftgt = tgt_dir
" call Decho("local isdir: s:netrw_mftgt<".s:netrw_mftgt.">")
elseif !a:islocal && tgt_dir =~ '/'$
let s:netrw_mftgt = tgt_dir
" call Decho("remote isdir: s:netrw_mftgt<".s:netrw_mftgt.">")
else
let s:netrw_mftgt = curdir
" call Decho("isfile: s:netrw_mftgt<".s:netrw_mftgt.">")
endif
endif
if a:islocal
" simplify the target (eg. /abc/def/../ghi -> /abc/ghi)
let s:netrw_mftgt= simplify(s:netrw_mftgt)
" call Decho("simplify: s:netrw_mftgt<".s:netrw_mftgt.">")
endif
if g:netrw_cygwin
let s:netrw_mftgt= substitute(system("cygpath ".shellescape(s:netrw_mftgt)),'\n$',",")
let s:netrw_mftgt= substitute(s:netrw_mftgt,'\n$',",")
endif
let s:netrw_mftgt_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 : netrw_mftgt<".(exists("s:netrw_mftgt"))? s:netrw_mftgt : "").">")
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

" getting rid of the local marked-file lists is easy
unlet s:netrwmarkfilelist_{a:curbufnr}
endif
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=".a: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=".a:domenu.")")

if !exists("s:netrw_menu_enabled") && a:domenu
" call Decho("initialize menu")
let s:netrw_menu_enabled= 1
exe 'silent! menu .g:NetrwMenuPriority.'.1 '.g:NetrwTopLvlMenu.'Help<tab><F1> <F1>'
exe 'silent! menu .g:NetrwMenuPriority.'.5 '.g:NetrwTopLvlMenu.'-Sep1- :'
exe 'silent! menu .g:NetrwMenuPriority.'.6 '.g:NetrwTopLvlMenu.'Go\ Up\ Directory<tab>- -'
exe 'silent! menu .g:NetrwMenuPriority.'.7 '.g:NetrwTopLvlMenu.'Apply\ Special\ Viewer<tab>x x'
exe 'silent! menu .g:NetrwMenuPriority.'.8.1 '.g:NetrwTopLvlMenu.'Bookmarks\ and\ History.Bookmark\
Current\ Directory<tab>mb mb'
exe 'silent! menu .g:NetrwMenuPriority.'.8.4 '.g:NetrwTopLvlMenu.'Bookmarks\ and\ History.Goto\ Prev\ Dir\
(History)<tab>u u'
exe 'silent! menu .g:NetrwMenuPriority.'.8.5 '.g:NetrwTopLvlMenu.'Bookmarks\ and\ History.Goto\ Next\ Dir\
(History)<tab>U U'
exe 'silent! menu .g:NetrwMenuPriority.'.8.6 '.g:NetrwTopLvlMenu.'Bookmarks\ and\ History.List<tab>qb qb'
exe 'silent! menu .g:NetrwMenuPriority.'.9.1 '.g:NetrwTopLvlMenu.'Browsing\ Control.Edit\ File\ Hiding\
List<tab><ctrl-h>.'" \<c-h>'"
exe 'silent! menu .g:NetrwMenuPriority.'.9.2 '.g:NetrwTopLvlMenu.'Browsing\ Control.Edit\ Sorting\
Sequence<tab>S S'
exe 'silent! menu .g:NetrwMenuPriority.'.9.3 '.g:NetrwTopLvlMenu.'Browsing\ Control.Quick\ Hide/Unhide\
Dot\ Files<tab>.'" gh"
exe 'silent! menu .g:NetrwMenuPriority.'.9.4 '.g:NetrwTopLvlMenu.'Browsing\ Control.Refresh\
Listing<tab>.'"<ctrl-l> \<c-l>'"
exe 'silent! menu .g:NetrwMenuPriority.'.9.5 '.g:NetrwTopLvlMenu.'Browsing\
Control.Settings/Options<tab>:NetrwSettings.'" :NetrwSettings<cr>'"
exe 'silent! menu .g:NetrwMenuPriority.'.10 '.g:NetrwTopLvlMenu.'Delete\ File/Directory<tab>D D'
exe 'silent! menu .g:NetrwMenuPriority.'.11.1 '.g:NetrwTopLvlMenu.'Edit\ File/Dir.In\ Current\
Window<tab><cr>.'"<cr>'"
exe 'silent! menu .g:NetrwMenuPriority.'.11.2 '.g:NetrwTopLvlMenu.'Edit\ File/Dir.Preview\
File/Directory<tab>p p'

```

```

exe 'silent! menu '.g:NetrwMenuPriority.'.11.3 '.g:NetrwTopLvlMenu.'Edit\ File/Dir.In\ Previous\ Window<tab>P
P'
exe 'silent! menu '.g:NetrwMenuPriority.'.11.4 '.g:NetrwTopLvlMenu.'Edit\ File/Dir.In\ New\ Window<tab>o o'
exe 'silent! menu '.g:NetrwMenuPriority.'.11.5 '.g:NetrwTopLvlMenu.'Edit\ File/Dir.In\ New\ Vertical\
Window<tab>v v'
exe 'silent! menu '.g:NetrwMenuPriority.'.12.1 '.g:NetrwTopLvlMenu.'Explore.Directory\ Name :Explore '
exe 'silent! menu '.g:NetrwMenuPriority.'.12.2 '.g:NetrwTopLvlMenu.'Explore.Filenames\ Matching\ Pattern\
(curdir\ only)<tab>:Explore\ */ :Explore */'
exe 'silent! menu '.g:NetrwMenuPriority.'.12.2 '.g:NetrwTopLvlMenu.'Explore.Filenames\ Matching\ Pattern\
(+subdirs)<tab>:Explore\ **/ :Explore **/'
exe 'silent! menu '.g:NetrwMenuPriority.'.12.3 '.g:NetrwTopLvlMenu.'Explore.Files\ Containing\ Pattern\ (curdir\
only)<tab>:Explore\ */ :Explore */'
exe 'silent! menu '.g:NetrwMenuPriority.'.12.4 '.g:NetrwTopLvlMenu.'Explore.Files\ Containing\ Pattern\
(+subdirs)<tab>:Explore\ **/ :Explore **/'
exe 'silent! menu '.g:NetrwMenuPriority.'.12.4 '.g:NetrwTopLvlMenu.'Explore.Next\ Match<tab>:Nexplore
:Nexplore<cr>'
exe 'silent! menu '.g:NetrwMenuPriority.'.12.4 '.g:NetrwTopLvlMenu.'Explore.Prev\ Match<tab>:Pexplore
:Pexplore<cr>'
exe 'silent! menu '.g:NetrwMenuPriority.'.13 '.g:NetrwTopLvlMenu.'Make\ Subdirectory<tab>d d'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.1 '.g:NetrwTopLvlMenu.'Marked\ Files.Mark\ File<tab>mf mf'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.2 '.g:NetrwTopLvlMenu.'Marked\ Files.Mark\ Files\ by\
Regex<tab>mr mr'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.3 '.g:NetrwTopLvlMenu.'Marked\ Files.Hide-Show-List\
Control<tab>a a'
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>D D'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.6 '.g:NetrwTopLvlMenu.'Marked\ Files.Diff<tab>md md'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.7 '.g:NetrwTopLvlMenu.'Marked\ Files.Edit<tab>me me'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.8 '.g:NetrwTopLvlMenu.'Marked\ Files.Exe\ Cmd<tab>mx mx'
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>O O'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.11 '.g:NetrwTopLvlMenu.'Marked\ Files.Print<tab>mp mp'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.12 '.g:NetrwTopLvlMenu.'Marked\ Files.Replace<tab>R R'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.13 '.g:NetrwTopLvlMenu.'Marked\ Files.Set\ Target<tab>mt mt'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.14 '.g:NetrwTopLvlMenu.'Marked\ Files.Tag<tab>mT mT'
exe 'silent! menu '.g:NetrwMenuPriority.'.14.15 '.g:NetrwTopLvlMenu.'Marked\
Files.Zip/Unzip/Compress/Uncompress<tab>mz mz'
exe 'silent! menu '.g:NetrwMenuPriority.'.15 '.g:NetrwTopLvlMenu.'Obtain\ File<tab>O O'
exe 'silent! menu '.g:NetrwMenuPriority.'.16.1 '.g:NetrwTopLvlMenu.'Style.Listing\ Style\ (thin-long-wide-
tree)<tab>i i'
exe 'silent! menu '.g:NetrwMenuPriority.'.16.2 '.g:NetrwTopLvlMenu.'Style.Normal-Hide-Show<tab>a a'
exe 'silent! menu '.g:NetrwMenuPriority.'.16.3 '.g:NetrwTopLvlMenu.'Style.Reverse\ Sorting\ Order<tab>.'r r"
exe 'silent! menu '.g:NetrwMenuPriority.'.16.4 '.g:NetrwTopLvlMenu.'Style.Sorting\ Method\ (name-time-
size)<tab>s s'
exe 'silent! menu '.g:NetrwMenuPriority.'.17 '.g:NetrwTopLvlMenu.'Rename\ File/Directory<tab>R R'
exe 'silent! menu '.g:NetrwMenuPriority.'.18 '.g:NetrwTopLvlMenu.'Set\ Current\ Directory<tab>c c'

```

```

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("<WORD>"))
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 tgtmdir= a:1
else
  let tgtmdir= getcwd()
endif
" call Decho("tgtmdir<".tgtmdir.">")

if exists("b:netrw_islocal") && b:netrw_islocal
  " obtain a file from local b:netrw_curdir to (local) tgtmdir
  " call Decho("obtain a file from local ".b:netrw_curdir." to ".tgtmdir)
  if exists("b:netrw_curdir") && getcwd() != b:netrw_curdir
    let topath= s:ComposePath(tgtmdir,"")
    if (has("win32") || has("win95") || has("win64") || has("win16"))
      " transfer files one at a time
      " call Decho("transfer files one at a time")
      for fname in fnamelist
        " call Decho("system(".g:netrw_localcopycmd." ".shellescape(fname)." ".shellescape(topath).)")")
        call system(g:netrw_localcopycmd." ".shellescape(fname)." ".shellescape(topath))
      endfor
    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
endif

else
  " obtain files from remote b:netrw_curdir to local tgtmdir
  " call Decho("obtain a file from remote ".b:netrw_curdir." to ".tgtmdir)
  if type(a:fname) == 1
```



```

call s:SetupNetrwStatusLine('%f %h%m%r%=%9*Obtaining !:a:fname)
endif
call s:NetrwMethod(b:netrw_curdir)

if b:netrw_method == 4
" obtain file using scp
" call Decho("obtain via scp (method#4)")
if exists("g:netrw_port") && g:netrw_port != ""
let useport= " ".g:netrw_scpport." ".g:netrw_port
else
let useport= ""
endif
if b:netrw_fname =~ '/'
let path= substitute(b:netrw_fname,'^\(.*/\)\{-}$','\1,')
else
let path= ""
endif
let filelist= join(map(deepcopy(fnamelist),'shellescape(g:netrw_machine.':".path.v:val,1)'))
" call Decho("exe ".s:netrw_silentxfer."!".g:netrw_scp_cmd.shellescape(useport,1)." ".filelist."
".shellescape(tgtdir,1))
exe s:netrw_silentxfer."!".g:netrw_scp_cmd.shellescape(useport,1)." ".filelist." ".shellescape(tgtdir,1)

elseif b:netrw_method == 2
" 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).")

```

```

".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("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) !~ "^$" && !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+mipf (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 != ""
  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

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

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."')
endfor
"    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
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
" call Decho("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
winCmd 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
endif

```

```

" restore b:netrw_curdir (window split/ewnew 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(fname,tgt,...)
" call Dfunc("s:NetrwUpload(fname<".((type(a:fname) == 1)? a:fname : string(a:fname))."> tgt<".a:tgt.">)
a:0=".a:0)

if a:tgt =~ '^a\+://'
let tgt_dir= substitute(a:tgt,'^a\+://[^/]\+^\(\.\{-}\)\$',\1,")
else
let tgt_dir= substitute(a:tgt,'^\(\.\{-}\)/[^/]*$',\1,")
endif
" call Decho("tgt_dir<".tgt_dir.">")

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")
lsplit
" 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."
".shellescape(machine.":".tgt,1))
exe s:netrw_silentxfer."!".g:netrw_scp_cmd.shellescape(useport,1)." ".args." ".shellescape(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 "'.tgt_dir.'"')

```

```

" 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_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: ".s:netrw_silentxfer."%!".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)
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
endif

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! lGdd
" 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
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)
elseif !exists("g:netrw_quiet")
call netrw#ErrorMsg(s:WARNING,"sorry, cannot preview a directory such as <".a:path.">",38)
endif
elseif !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, ',.*$', '', 'e')
    let seqlist = substitute(seqlist, '^.\{-},\{.*\}$', '\1', 'e')
  else
    let seq = seqlist
    let seqlist = ""
  endif
  let sepchr= "\<Char-0xff>"
  if priority < 10
    let spriority= "00".priority.sepchr
  elseif priority < 100
    let spriority= "0".priority.sepchr
  else
    let spriority= priority.sepchr
  endif
  " call Decho("priority=" .priority. " spriority<" .spriority."> seq<" .seq."> seqlist<" .seqlist.">")

  " sanity check
  if w:netrw_bannercnt > line("$")
    " apparently no files were left after a Hiding pattern was used
  " call Dret("SetSort : no files left after hiding")
  return
endif
if seq == '*'
  let starpriority= spriority
else
  exe 'silent keepjumps '.w:netrw_bannercnt.',$g/'.seq.'/s/^\.'.spriority.'/'
  " 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.',$g/^\d\{3\}'.sepchr.'\d\{3\}/s/^\d\{3\}'.sepchr.'\(\d\{3\}\|\\).\@=^1/e'
endif
let priority = priority + 1
endwhile
if exists("starpriority")
  exe 'silent keepjumps '.w:netrw_bannercnt.',$v/^\d\{3\}'.sepchr.'/s/^\.'.starpriority.'/'
endif

```

```

" 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.',$s/^\(d\{3}\.sepchr.\)\%(d\{3}\.sepchr.\)|\ze./1/e'

" 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>"
" elseif w:netrw_explore_bufnr != bufnr("%")
" let g:stlmsg="explore_bufnr!=".bufnr("%")
" endif
" if !exists("w:netrw_explore_line")
" let g:stlmsg=" !X<explore_line>"
" elseif w:netrw_explore_line != line(".")
" let g:stlmsg=" explore_line!={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_mtchcnt." of ".w:netrw_explore_listlen
endif
endfun

" -----
" 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('.')."> b:netrw_curdir<".b:netrw_curdir.">
tab#".tabpagenr()." win#".winnr()." buf#".bufnr("%")."<".bufname("%").">")

```

```

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('.'),'^\%(| \)*\([^\].\{-}\)$',\1,'e')
else
let treedir= ""
endif

" call Decho("treedir<".treedir.">")

" detect user attempting to close treeroot
if getline('.') !~ '|' && getline('.') != '..'
" call Decho("user attempted to close treeroot")
" now force a refresh
" call Decho("clear buffer<".expand("%").> with :%d")
keepjumps %d
" call Dret("NetrwTreeDir <".treedir."> : (side effect) s:treecurpos<".string(s:treecurpos).>")
return b:netrw_curdir
endif

" elide all non-depth information
let depth = substitute(getline('.'),'^\%(| \)*\([^\].\{-}\)$',\1,'e')
" call Decho("depth<".depth."> 1st subst")

" elide first depth
let depth = substitute(depth,'^| ','')
" 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.'[^\].\{-}/$',bW)
let dirname= substitute(getline('.'),'^\%(| \)*',';','e')
let treedir= dirname.treedir
let depth = substitute(depth,'^| ','')
" 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,'/$','/')

" " 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<"a: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.">")
  " 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<".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<".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_bannercnt,line("$"))
  " call Decho("w:treedict[".a:dirname."]= ".w:netrw_treedict[a:dirname])

```

```

exe "silent! keepjumps ".w:netrw_bannercnt.",$d"

" if past banner, record word
if exists("w:netrw_bannercnt") && line(".") > w:netrw_bannercnt
  let fname= expand("<word>")
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(sprintf("%-'.b:netrw_cpf.'s",submatch(0)),"\\")/'

```

```

let fpc      = (line("$") - w:netrw_bannercnt + w:netrw_fpl)/w:netrw_fpl
let newcolstart = w:netrw_bannercnt + fpc
let newcolend  = newcolstart + fpc - 1
" call Decho("bannercnt=".w:netrw_bannercnt." fpl=".w:netrw_fpl." fpc=".fpc."
newcol[".newcolstart.", ".newcolend."])
silent! let keepregstar = @*
while line("$") >= newcolstart
if newcolend > line("$") | let newcolend= line("$") | endif
let newcolqty= newcolend - newcolstart
exe newcolstart
if newcolqty == 0
exe "silent keepjumps norm! 0\<c-v>$hx".w:netrw_bannercnt."G$p"
else
exe "silent keepjumps norm! 0\<c-v>".newcolqty.'j$hx'.w:netrw_bannercnt.'G$p'
endif
exe "silent keepjumps ".newcolstart.','.newcolend.'d'
exe 'silent keepjumps '.w:netrw_bannercnt
endwhile
silent! let @*= keepregstar
exe "silent keepjumps ".w:netrw_bannercnt.',$s\s\+$//e'
setlocal noma nomod ro
" call Dret("NetrwWideListing")
endif

endfun

" -----
" s:PerformListing: {{{2
fun! s:PerformListing(islocal)
" call Dfunc("s:PerformListing(islocal=".a:islocal.") buf(%)=".bufnr("%")."<".bufname("%").">")

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                (netrw '.g:loaded_netrw.')
```

```

keepjumps put =\"  '.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  '.sortby
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 '.sortby
let w:netrw_bannercnt= w:netrw_bannercnt + 1
endif
exe "keepjumps ".w:netrw_bannercnt

" show copy/move target, if any
if exists("s:netrw_mftgt") && exists("s:netrw_mftgt_islocal")
"  call Decho("show copy/move target<".s:netrw_mftgt.">")
keepjumps put ="
if s:netrw_mftgt_islocal
  call setline(line("."), " Copy/Move Tgt: '.s:netrw_mftgt.' (local)')
else
  call setline(line("."), " Copy/Move Tgt: '.s:netrw_mftgt.' (remote)')
endif
let w:netrw_bannercnt= w:netrw_bannercnt + 1
else
"  call Decho("s:netrw_mftgt 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:      'g:netrw_list_hide
else
keepjumps put =\ " Showing:    'g:netrw_list_hide
endif
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("$") >= w:netrw_bannercnt
" call Decho("manipulate directory listing (hide)")
" call Decho("g:netrw_hide=".g:netrw_hide." g:netrw_list_hide<".g:netrw_list_hide.">")
if g:netrw_hide && g:netrw_list_hide != ""
call s:NetrwListHide()
endif
if line("$") >= w:netrw_bannercnt
" call Decho("manipulate directory listing (sort) : g:netrw_sort_by<".g: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

" -----
" s:SetupNetrwStatusLine: {{{2
fun! s: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
    endif
endif

```



```

else
  hi User9 ctermbg=yellow ctermfg=blue guibg=yellow guifg=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: {{{2
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

elseif !exists("g:netrw_list_cmd") || g:netrw_list_cmd == "
if !exists("g:netrw_quiet")
if g:netrw_list_cmd == ""
call netrw#ErrorMsg(s:ERROR,g:netrw_ssh_cmd." is not executable on your system",47)
else
call netrw#ErrorMsg(s:ERROR,"this system doesn't support remote directory listing via ".g:netrw_list_cmd,19)

```

```

endif
endif

call s:NetrwOptionRestore("w:")
" call Dret("s:NetrwRemoteListing")
return
endif " (remote handling sanity check)

if exists("b:netrw_method")
" call Decho("setting w:netrw_method<".b:netrw_method.">")
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
" call Decho("listcmd<".listcmd."> (using g:netrw_ftp_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\r$/e

" if there's no ./ listed, then put ./ and ../ in
let line1= line(".")
exe "keepjumps ".w:netrw_bannercnt
let line2= search('^\.\.|\%(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',n) " M$ ftp site cleanup
" call Decho("M$ ftp cleanup")
exe 'silent! keepjumps '.w:netrw_bannercnt.',s/^\d\{2}-\d\{2}-
\d\{2}\s+\d\+:\d\+[AaPp][Mm]\s+\%(<DIR>|\d\+)\s+/'
else " normal ftp cleanup
" call Decho("normal ftp cleanup")
exe 'silent! keepjumps '.w:netrw_bannercnt.',s/^\(\%(\S\+|\s\+)\)\{7}\S\+\)\s+\(\S.*\)\$/2/e'
exe "silent! keepjumps ".w:netrw_bannercnt.',$g/ -> /s# -> .*/$#/#e'
exe "silent! keepjumps ".w:netrw_bannercnt.',$g/ -> /s# -> .*/$#/#e'
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+$+/@+e
silent g/^l[-rwx][-rwx][-rwx]/s+$+/@+e
if g:netrw_liststyle != s:LONGLIST
g/^[\d\sp-][-rwx][-rwx][-rwx]/s/^\.*s\(\S\+\)\$/1/e
endif
else
if s:path == ""
" call Decho("2: exe silent r! ".listcmd)
exe "silent r! ".listcmd
else
" call Decho("3: exe silent r! ".listcmd.' '.shellescape(s:path,1))
exe "silent r! ".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
```



```

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\[II]'
      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\[II]'
      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 =~ '@$' || a:rmfile !~ '[\V]$')
" attempt to remove file
" call Decho("attempt to remove file (all=".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(l),q(uit)] ")
call inputrestore()
echohl NONE
if ok == ""
let ok="no"
endif
let ok= substitute(ok, "[{y(es)},n(o),a(l),q(uit)]s*", "", 'e')
if ok =~ 'a%[ll]'
let all= 1
endif
endif

if all || ok =~ 'y%[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 .,$d
call s:NetrwRemoteFtpCmd(path, "delete ". "" .a:rmfile. "")
else
" call Decho("case ssh: g:netrw_rm_cmd<".g:netrw_rm_cmd.">")
let netrw_rm_cmd= s:MakeSshCmd(g:netrw_rm_cmd)
" call Decho("netrw_rm_cmd<".netrw_rm_cmd.">")
if !exists("b:netrw_curdir")
call netrw#ErrorMsg(s:ERROR, "for some reason b:netrw_curdir doesn't exist!", 53)
let ok="q"
else
let remotedir= substitute(b:netrw_curdir, '^.*//[^\+]/+/(.*)$', '\1', "")
" 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(fnamescape(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
elseif ok =~ 'q\[uit]'
"    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\[ll]'
    let all= 1
endif
endif

if all || ok =~ 'y\[es]' || 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_rmfile_cmd= s:MakeSshCmd(s:WinPath(g:netrw_rmfile_cmd)).'
.shellescape(s:WinPath(substitute(rmfile,'[/\]$',", 'e'))))
"    call Decho("2nd attempt to remove dir: system(".netrw_rmfile_cmd.")")
let ret= system(netrw_rmfile_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\%[uit]'
    break
endif
endif

" call Dret("s:NetrwRemoteRmFile ".ok)
return ok
endfun

" -----
" s:NetrwRemoteFtpCmd: unfortunately, not all ftp servers honor options for ls {{{2
" 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
" call Decho("filter input: ".getline('.'))
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_bannercnt.",$!".g:netrw_ftp_cmd." -i
".shellescape(g:netrw_machine,1))
exe s:netrw_silentxfer." keepjumps ".w:netrw_bannercnt.",$!".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=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_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 ='cd \"a:path.\"
endif
if exists("g:netrw_ftpextracmd")
put =g:netrw_ftpextracmd
" 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.',$g/^./call Decho("ftp#".line("."): ".getline("."))'
" call Decho("exe ".s:netrw_silentxfer.w:netrw_bannercnt.",$!".g:netrw_ftp_cmd." -i -n")
exe s:netrw_silentxfer.w:netrw_bannercnt.",$!".g:netrw_ftp_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\r$/e
endif
if a:listcmd == "dir"
" infer directory/link based on the file permission string
silent! keepjumps g/d%\%([-r][-w][-x])\{3}/s@$@/@
silent! keepjumps g/l%\%([-r][-w][-x])\{3}/s$/@/
if w:netrw_liststyle == s:THINLIST || w:netrw_liststyle == s:WIDELIST || w:netrw_liststyle == s:TREELIST
exe "silent! keepjumps ".w:netrw_bannercnt.',$s/^%\(\S\+\s\+\)\{8}/e'
endif
endif

" ftp's listing doesn't seem to include ./ or ../
if !search('^\.\/$\|s\.\.\/$','wn')
exe 'keepjumps '.w:netrw_bannercnt
put = './'
endif
if !search('^\.\/$\|s\.\.\.\/$','wn')
exe 'keepjumps '.w:netrw_bannercnt
put = '../'
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,'^s^([^\s]*)/.*$/','\1,')
let subto = substitute(newname,'^s/[^\s]*^(.*)/','$'\1,')
let newname = substitute(oldname,subfrom,subto,")
" call Decho("subfrom<".subfrom."> subto<".subto."> newname<".newname.">")
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

endifor
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
fun! 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
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<'.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<'.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<".dirname."/*>=".filelist)
if filelist != ""
  let filelist= filelist."\\n"
endif
let filelist= filelist.glob(s:ComposePath(dirname,".*"))
" call Decho("glob(dirname<".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]+[\\]\.t','')
  let filelist = substitute(filelist,'[^t]+[\\]\.$','')
  let filelist = substitute(filelist,'t\\zs[^t]+[\\]\.t','')
  let filelist = substitute(filelist,'t','n','g')
endif
" call Decho("filelist<".filelist.">")
if filelist !~ '[\\]\.\\]\=\\(\\n\\$)'
  " 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','')
endif
" remove multiple contiguous newlines
let filelist= substitute(filelist,'\\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,'\\./','g')

```

```

else
" escape all \s to \\
" call Decho('escape all \s to \\')
let filelist= substitute(filelist,'\','\\','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.*$',"','e')
let filelist = substitute(filelist,'^.\{-}\n(.*)$',\1','e')
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("b:netrw_curdir") && b: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
elseif 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 =~ '//$'
  let pfile= substitute(pfile,'//$', '/', 'e')
  " 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 fszpfle= fsz.''.pfile
keepjumps silent! put =fszpfle

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\r$/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 bufwinnr(ibuf)."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\[uit]' || ok == "no"
    break
elseif ok =~ 'a\[ll]'
    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 =~ '@$' || rmfile !~ '[V/$]')
" 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(l),q(uit)] ")
call inputrestore()
echohl NONE
if ok == ""
let ok="no"
endif
" call Decho("response: ok<".ok.">")
let ok= substitute(ok, "[{y(es)},n(o),a(l),q(uit)]s*", "", 'e')
" call Decho("response: ok<".ok."> (after sub)")
if ok =~ 'a\%[ll]'
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(l),q(uit)] ")
call inputrestore()
let ok= substitute(ok, "[{y(es)},n(o),a(l),q(uit)]s*", "", 'e')
if ok == ""
let ok="no"
endif
if ok =~ 'a\%[ll]'

```

```

let all= 1
endif
endif
let rmfile= substitute(rmfile,['\|','$','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"
endif
endif
endif
endif
endif

" call Dret("s:NetrwLocalRmFile ".ok)
return ok
endfun

" -----
" s:NetrwLocalRename: rename a remote file or directory {{{2
fun! s:NetrwLocalRename(path) range
" call Dfunc("NetrwLocalRename(path<" .a:path.">)")

" preparation for removing multiple files/directories
let ctr = a:firstline
let svpos= netrw#NetrwSavePosn()

" 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,'^s^([^\s]*)/.*$/','\1',"
let subto = substitute(newname,'^s/[^\s]*^(.*)/','$','\1',"
" call Decho("subfrom<".subfrom."> subto<".subto."> newname<".newname.">")
let newname = substitute(oldname,subfrom,subto,")
endif
endif
call rename(oldname,newname)
endifor
call s:NetrwUnmarkList(bufnr("%"),b:netrw_curdir)

else

" attempt to rename files/directories
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

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 {{{2
"
"   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
"
" Deleting a buffer means that it will be re-loaded when examined, hence "slow".
" Hiding a buffer means that it will be re-used when examined, hence "fast".
"   (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("appendng 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()
" call Decho("autocmd: 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")
  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 topofscreen: 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()
" call Dfunc("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 {{{2
fun! netrw#RFC2396(fname)
" call Dfunc("netrw#RFC2396(fname<".a:fname.">")")
let fname = escape(substitute(a:fname, '%\(\x\x\)', '\=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 {{{2
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, '^(\a\+://\{-}\^)(.*)$', '\1', '')
let curpath = substitute(a:base, '^(\a\+://\{-}\^)(.*)$', '\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
" 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
endfun

" -----
" 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/^(.)', '\1:/', ''))
else
let ret= filereadable(a:fname)
endif

" call Dret("s:FileReadable ".ret)
return ret
endfun

```

```

" -----
" 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 Decho("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,['^/]+\$',"','e'))
" call Decho("ro=".&l:ro." ma=".&l:ma." mod=".&l:mod." wrap=".&l:wrap)
call netrw#ErrorMsg(s:ERROR,"your <".substitute(tmpfile,['^/]+\$',"','e')."> 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')
elseif has("win32") || has("win95") || has("win64") || has("win16")
if !exists("+shellslash") || !&ssl
let tmpfile = substitute(tmpfile,'/','\','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 =~ '.tar.gz' || a:fname =~ '.tar.bz2'
  let suffix = ".tar".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 Decho("ro="&l:ro." ma="&l:ma." mod="&l:mod." wrap="&l:wrap)
" call Dret("s:GetTempfile <".tmpfile.">")
return tmpfile
endfun

" -----
" s:MakeSshCmd: transforms input command using USEPORT HOSTNAME into {{{2
" a correct command for use with a system() call
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", g:netrw_sshport.' 's:port,")
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)
    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
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)
" call Dfunc("s:NetrwEnew(curdir<".a:curdir.">) buf#" .bufnr("%")."<".bufname("%").">")

" 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_idx") |let netrw_explore_idx = b:netrw_explore_idx |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_mtchcnt")|let netrw_explore_mtchcnt = b:netrw_explore_mtchcnt|endif
if exists("b:netrw_fname")    |let netrw_fname    = b:netrw_fname    |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_idx") |let b:netrw_explore_idx = netrw_explore_idx |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_mtchcnt")|let b:netrw_explore_mtchcnt = netrw_explore_mtchcnt|endif
if exists("netrw_fname")    |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:TREELIST
```

```
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
```

```

" 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)
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,'^.*\/[^\/]\+\/(.*)$',\1,")
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_indx") |let w:netrw_explore_indx = s:explore_indx |unlet s:explore_indx |endif
if exists("s:explore_line") |let w:netrw_explore_line = s:explore_line |unlet s:explore_line |endif
if exists("s:explore_listlen")|let w:netrw_explore_listlen = s:explore_listlen|unlet s:explore_listlen|endif
if exists("s:explore_list") |let w:netrw_explore_list = s:explore_list |unlet s:explore_list |endif
if exists("s:explore_mtchcnt")|let w:netrw_explore_mtchcnt = s:explore_mtchcnt|unlet s:explore_mtchcnt|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:line") |let w:netrw_line = s:line |unlet s:line |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,dirname)
" 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 'nnoremap <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 'nnoremap <silent> <Plug>NetrwReturn :call <SID>NetrwRexplore(0,".dir.")<cr>'
endif
endif
" 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! o\<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

" -----
" s:TreeListMove: {{{2
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, '\([ ]*\)\{-}$', '\1', "")
let indentm1 = substitute(curindent, '\|', ",")
" 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: ".nl)
elseif a:dir == ']' && nxtline != "
norm! $
let nl = search('^indentm1.[^]', 'We') " search forwards from regular file
" call Decho("regfile srch fwd: ".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

endif

" call Dret("s:TreeListMove")
endfun

" -----
" s:UpdateBuffersMenu: does emenu Buffers.Refresh (but due to locale, the menu item may not be called that) {{{2
" 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\%((\a\+)\)=:E/
let v:errmsg= ""
silent call s:NetrwBMSHow()
endtry
endif
" call Dret("s:UpdateBuffersMenu")
endfun

```

```

" -----
" s:UseBufWinVars: (used by NetrwBrowse() and LocalBrowseCheck() {{{2
"     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_idx")  && !exists("w:netrw_explore_idx")  |let w:netrw_explore_idx =
"   b:netrw_explore_idx |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 <".a: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 such is covered by his BSD license.

Thanks to both authors for there wonderful work.

```
=====
```

```
en_AU:
```

This dictionary was based on the en_GB Myspell dictionary which in turn 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.

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 SCOWL and the wordlists used in creating it is reproduced below.

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".

The MWords package was explicitly placed in the public domain:

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You can verify the public domain status by contacting

Grady Ward
3449 Martha Ct.
Arcata, CA 95521-4884

grady@netcom.com
grady@northcoast.com

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.

The 12Dicts package and Supplement is in the Public Domain.

The WordNet database, which was used in the creation of the Inflections database, is under the following copyright:

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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 from 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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However since this Word List is used in the linux.words package which the author claims is free of any copyright I assume it is OK to use for most purposes. If you want to use this in a commercial project

and this concerns you the information from the DEC word list can easily be removed without much sacrifice in quality as only the name lists were used.

The file special-jargon.50 uses common.lst and word.lst from the "Unofficial Jargon File Word Lists" which is derived from "The Jargon File". All of which is in the Public Domain. This file also contain a few extra UNIX terms which are found in the file "unix-terms" in the special/ directory.

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.

The 65 level includes words found in the Ispell "medium" word list. The Ispell word lists are under the same copyright of Ispell itself which is:

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The 70 level includes the 74,550 common dictionary words and the 21,986 names list from the MWords package. The common dictionary words, like those from the 12Dicts package, have had all likely inflections added.

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.

The ENABLE package, mainted by M\Cooper <thegrendel@theriver.com>, is in the Public Domain:

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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

=====

en_NZ:

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-

I. Copyright

NZ English Dictionary v0.9 beta - Build 06SEP03

~~~~~

NB This is an initial version, please check:

[http://lingucomponent.openoffice.org/download\\_dictionary.html](http://lingucomponent.openoffice.org/download_dictionary.html)

or

<http://www.girlza.com/dictionary/download.html>

for a final version, after a little while (no hurry).

This dictionary is based on the en\_GB Myspell dictionary which in turn 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.

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

~~~~~

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.

## License

~~~~~

This dictionary is covered by the GNU Lesser General Public License, viewable at <http://www.gnu.org/copyleft/lesser.html>

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.

II. Copying

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Version 2.1, February 1999

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1.283 Xalan-J 2.5.2

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1.286 xorg-x11-font-utils 7.2 :11.el6

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1.287 xorg-x11-fonts 7.2 :9.1.el6

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1.291 ycssmin 1.0.1

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1.295 zd1211-firmware 1.4 :4.el6

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1.296 zlib 1.2.3

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1.297 zlib 1.2.3 :29.e16

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library
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```

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'zlib' general purpose compression library version 1.1.4, March 11th, 2002

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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 <ftp://ds.internic.net/rfc/rfc1950.txt> (zlib format), [rfc1951.txt](http://www.ietf.org/rfc/rfc1951.txt) (deflate format) and [rfc1952.txt](http://www.ietf.org/rfc/rfc1952.txt) (gzip format).

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